

U. S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PUERTO RICO: Industrial mineral
mines, prospects, and occurrences
in the Mineral Resources Data System (MRDS)

by

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and
Puerto Rico Department of Natural Resources

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INTRODUCTION

SUMMARY

This compilation contains data on industrial mineral mines and mineral occurrences of Puerto Rico. These data have recently been entered in the U.S. Geological Survey's (USGS) Mineral Resources Data System (MRDS), a database of worldwide deposits and occurrences, in support of a mineral resource assessment of Puerto Rico. The data were compiled by the staff of the Center for Inter-American Mineral Resource Investigations (CIMRI) in the Fall, 1991. CIMRI is a group within the USGS that specializes in the geology and mineral resources of the Americas. The Puerto Rico industrial mineral records were constructed from skeleton records based on active mining activities as recorded by the Corteza Terrestre/Surface Mining Permits Office of the Puerto Rico Department of Natural Resources and augmented by geologic information and additional sites as shown on 1:20,000-scale geologic maps published by the USGS during the last 30 years.

MRDS

MRDS, originally named the Computerized Resource Information Bank (CRIB), is a database of mineral deposits and occurrences. The level of information on mineral deposits usually included in MRDS consists of commodity and geologic data that are useful for regional mineral resource assessments and reconnaissance exploration rather than in-depth site studies, although detailed records have been compiled for some well-studied mines and deposits. MRDS contains records on over 65,000 sites worldwide. Each record must include a certain minimum amount of detail. All records are routinely checked for consistency and uniformity using computerized methods and systematic expert review procedures. In some cases, the data have been interpreted and reflect the opinions of the record contributors and file editors. More complete data standards for the database are contained in the MRDS User Guide

(MRDS Project Staff, U.S. Geological Survey, 920 National Center, Reston, Virginia 22092).

A primary goal is to insure that each record faithfully reproduces the data source(s); this assumes that the data source contains valid information. On occasion, where there are glaring inconsistencies or the data are of poor quality, the reporter must reconcile or report the inconsistencies or choose to exclude a record for that site.

Regrettably, no database can be constructed or supported without introducing errors. The user, therefore, is advised to check the original data source materials whenever there are data problems with the compiled records. No claim is made for completeness of this compilation and users of the data should bear in mind that some published and unpublished sources may have been missed and that the data are no more accurate than the data sources. We welcome additions and corrections to the information in this report. Data changes may be submitted to the authors, CIMRI, MRDS staff, or Minerals Information Office staff.

MRDS runs on several commercial software packages:

INFORMATION** (PRIME minicomputer environment),
REVELATION (IBM-PC environment), and
4th DIMENSION (Macintosh environment).

Linkage and modifications to the software for MRDS applications are available from the U.S. Geological Survey. MRDS staff will provide limited support of the MRDS customized applications of the software. The Minerals Information Office* should be contacted if the data are desired in a different format including map plots or on computer diskette.

** Any use of trade names and trademarks in this report is for descriptive purposes only and does not constitute endorsement by the U.S. Geological Survey.

*Minerals Information Office, Main Interior Bldg., 1849 C St. NW, Washington, DC 20240; other Office locations include: U.S. Geological Survey, 340 N. 6th Ave., Tucson, AZ 85705; U.S. Geological Survey, U.S. Courthouse, Rm 651, W 920 Riverside Dr., Spokane, WA 99201; U.S. Geological Survey, University of Nevada, Reno, Scrugham Eng. & Mines Bldg., Reno, NV 89557-0047

DATA

No previous comprehensive compilation of industrial mineral mines and occurrences was found to exist prior to this study. Copies of mining permit applications from the Corteza Terrestre-Surface Mining Permits Office of the Puerto Rico Department of Natural Resources were used to construct over 120 skeleton records which were entered into MRDS by Richard Kibbe. The information from this source included location, owner/operator, commodity, and production limit information. Mike Allen, Jim Bliss, Marguerite Carbonaro, Herb Pierce, Greta Orris, Norm Page, and John-Mark Staude added almost 300 additional records and supplied geology for the original skeleton records. The CIMRI staff used over 40 1:20,000-scale geologic maps published by the USGS since 1960 to determine the geology of these sites. This compilation totals over 450 industrial mineral mines and occurrences for Puerto Rico.

The largest mineral production in Puerto Rico is related to the manufacture of cement and over 140 of the MRDS records are for limestone and limestone aggregate quarries. Most of the limestone and limestone aggregate quarries mine material from the Miocene Aymamón Formation, although at least four other formations have significant limestone production. Other industrial minerals and materials that have been produced in Puerto Rico include dimension stone, silica sand, sand and gravel, aggregate and road metal, gypsum, barite, and phosphate. Other commodities such as barite, clay, and dolomite are known to occur on the islands.

The "RECORDS" section of this report contains a standardized listing of data for the study area sorted by quadrangle. Within each quadrangle, the records are listed alphabetically. The reader should note that additional information for some records may be available in MRDS.

EXPLANATION OF DATA FIELDS

A MRDS record contains up to 200 fields for recording a wide range of attributes. Some of the fields in the MRDS records listed in this compilation are described below. Particular focus is given to identification of codes and other formatting standards which may not be obvious to the reader.

MRDS record numbers are assigned to each record in the database. A single record has been prepared for each site noted or groups of adjacent properties. Each record number is unique.

Report date is given as year and month. For example 91 03 -means the record was compiled in the third month (March) of 1991.

Reporter's name gives the last and first names and middle initial of the reporter.

Reporter's affiliation gives the name of government agency, company, etc. with which the reporter was affiliated.

Site name is a name of ore body, deposit, or property used at the time the record was prepared. On average, half of the MRDS records will give a name for a mine, prospect, claim, occurrence, group or placer. In some cases, this may be the name of a nearby town or geographic feature. If not named, the site may be "unnamed." or "unidentified" if likely named but the reporter does not know the name.

Synonyms includes other names used for the site. Also listed are names of several closely-spaced mines that have been included in one record or names of individual orebodies. For placers, stream and gulch names which are part of the deposit are identified.

State (province, other) is used to give the name of a second order political division. If a site overlaps into two units, both are given. For Puerto Rico, "Puerto Rico" is also used as a second order political division.

Map names are for the 1:20,000-scale quadrangles in which the site is located.

Commodities list includes those of primary economic interest, coproducts and byproducts, those which have not been exploited but which are present in sufficient amount to be suspected to be of possible economic interest, and occurrences of geologic interest. The commodity codes are listed in table 1.

Ore materials are listed as reported or in order of abundance from most to least.

Production indicates if there is known production from the site and, if possible, its relative size. Codes for this field include L (large), M (medium), S (small), Y (yes, production has occurred but the amount is unknown), N (no production), and U (site production status is uncertain).

Status contains a numeric code representing the production-development status of the site and the level of current activity. The codes are as follows: 1- mineral occurrence; 2- inactive prospect; 3- active prospect; 4- inactive producer, very small production; 5- active producer, very small production; 6- inactive producer; 7- active producer; 8- intermittent producer.

Deposit types are usually based on morphology, etc. Table 2 contains deposit types commonly used in MRDS, but the list is not all inclusive.

Deposit size gives an estimated relative size of total tonnage of past production plus the estimated reserves.

Host Rock Ages are given using the age designations shown in table 3.

Table 1. MRDS commodity codes for industrial minerals and materials. The list is alphabetical by commodity.

<u>Code</u>	<u>Commodity</u>	<u>Code</u>	<u>Commodity</u>
AL3	alunite	DOL	dolomite (general; see carbonates, stone, magnesium, marble)
AMB	amber	DOL1	ultra pure dolomite (MgCO_3 CaCO_3 > 97%)
GYP	anhydrite, gypsum	DOL2	high magnesian dolomite (MgCO_3 CaCO_3 > 95 %)
ASB	asbestos	EMY	emery
---	ash (see volc. mat.)	EVA	evaporites (see brine, sodium, halite)
CLY4	ball clay	FLD	feldspar
BA	barium, barite	CLY5	fire clay (refractory)
CLY1	bentonite	F	fluorine, fluorite
CLY6	bloating material (includes clay, shale, slate)	CLY2	fuller's earth
B	boron-borate	CLY3	kaolin or kaolin clay (includes high alumina clay)
BRI	brines, salines (see evaporites, sodium, halite)	GAR	garnet
MG	brucite (see magnesium)	GEM	gemstone
STN2	building stone (see stone)	GLA	glauconite
CA	calcium (see carbonates, limestone, marble, stone)	GRT	granite, granitic gneiss
C	carbon	GRF	graphite
CAR	carbonates (see calcium, dolomite, limestone, marble, marl, shell,)	SDG	gravel (see sand & gravel)
CER	cement rock (natural)	GYP	gypsum, anhydrite
---	cinders (see volc. mat.)	HAL	halite
CLY	clay (general)	HE	helium
CLY1	bentonite	KYN	kyanite, sillimanite, andalusite, dumortierite
CLY2	fuller's earth	LAT	laterite
CLY3	kaolin or kaolinitic clay	LST	limestone (gen.), (see carbonates, calcium, marble, stone)
CLY4	ball clay	LST1	ultra pure limestone (CaCO_3 > 97%)
CLY5	fire clay (refactory)	LST2	high calcium limestone (CaCO_3 > 95%)
CLY6	bloating mat. (clay, shale, slate)	LI	lithium
CLY7	common brick clay	LWA	lightweight aggregate (see bloating material under clay, vermiculite, perlite, pumice, stone)
Co	cobalt		
COR	corundum		
CY	cryolite		
DIA	diamond		
DIT	diatomite		
STN2	dimension stone (see stone)		

Table 1. MRDS commodity codes for industrial minerals and materials. -- Continued.

<u>Code</u>	<u>Commodity</u>	<u>Code</u>	<u>Commodity</u>
MGS	magnesite	SDG	sand and gravel
MG	magnesium (includes brucite)(see carbonate, dolomite, limestone, magnesium)	SAM	sand, molding
MBL	marble (see also carbonates, dolomite, limestone, magnesium, stone)	SST	sandstone (see silica, stone, quartzite)
MIC	mica (gen.)	SAP	saprolite
MIC1	sheet mica	SHL	shale
MIC2	scrap mica	SIL	silica (see also quartz, quartzite, sandstone)
MIC3	flake mica	SLA	slate (see stone)
MPG	mineral pigments	NA	sodium
MON	monazite	STN	stone
N	nitrogen	STN1	crushed/broken stone material (includes road metal, riprap, scoria, slag, clinker, baked clay, red dog)
OLV	olivine	STN2	dimension or building stone (see also calcium, carbonates, dolomites, limestone)
PER	perlite	SR	strontium
P	phosphorus-phosphates	S	sulfur
K	potassium	SLF	sulfuric acid
PUM	pumice	TLC	talc, soapstone
PYR	pyrite	VRM	vermiculite
PYR1	pyrrhotite	VOL	volcanic materials (ash, cinders)
PYF	pyrophyllite	WOL	wollastonite
QTZ	quartz (see also sandstone, silica)	YT	yttrium
RAE	rare earths	ZEO	zeolites
REF	refractory materials	ZR	zirconium
BRI	salines (see brines)		
---	salt (see brines, salines, sodium, halite)		

Table 2. MRDS deposit types and deposit forms/shapes.

Deposit Types

Bedded	Other igneous
Carbonatites	Pegmatite
Chemical sediment (except evaporites)	Pipe
Clastic sedimentary rock	Placer
Collapse Breccia	Porphyry
Concordant intrusive	Replacement
Concordant volcanic	Shear zone
Contact metasomatic	Skarn
Disseminated	Stockwork
Evaporites	Stratibound
Gossan	Stratiform
Greisen	Unconsolidated sediments
Laterite	Veins
Lode--use vein if possible	Weathered residual
Massive chromite	ALSO:
Massive sulfide	Insufficient data to classify
Metamorphic	Too complex to classify
Metamorphic stratiform	

Deposit Forms and (or) Shapes

Blanket	Pipe
Irregular	Pod
Lenses	Tabular
Linear	Undefined
Pinch and swell	Wedge

Table 3. MRDS geologic age codes.

<u>Code</u>	<u>Geologic Age</u>	<u>Code</u>	<u>Geologic Age</u>
QUAT	Quaternary	PENN	Pennsylvanian
HOLO	Holocene	DEV	Devonian
PLEIS	Pleistocene	SIL	Silurian
TERT	Tertiary	ORD	Ordovician
PLIO	Pliocene	CAMB	Cambrian
MIO	Miocene	PREC	Precambrian
OLIGO	Oligocene	CEN	Cenozoic
EO	Eocene	MES	Mesozoic
PALEO	Paleocene	PAL	Paleozoic
CRET	Cretaceous	PROT	Proterozoic
JUR	Jurassic	ARCH	Archean
TRI	Triassic	E	Early
PERM	Permian	L	Late
CARB	Carboniferous		

RECORDS

ADJUNTAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00946**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ADJUNTAS

SCALE: 1:20,000

LATITUDE: 18-10-23N

LONGITUDE: 066-42-41W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN TUFF

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFF

HOST ROCK AGE: LEO

FORMATION NAME: ANON FORMATION

FORMATION AGE: LEO

AGE OF MINERALIZATION: LEO

REFERENCE: MATTSON, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00947**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED DIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ADJUNTAS

SCALE: 1:20,000

LATITUDE: 18-13-07N

LONGITUDE: 066-38-34W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN DIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: IGNEOUS

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VEINED DIORITE

HOST ROCK AGE: LCRET-ETERT

FORMATION NAME:

FORMATION AGE:

AGE OF MINERALIZATION: LCRET-ETERT

REFERENCE: MATTSON, 1968.

AGUADILLA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00956

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED CHALK QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-28-53N

LONGITUDE: 067-08-05W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN CHALK

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: BEDDED SEDIMENTARY

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE - FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD TC00957

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED CHALK QUARRY

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO
 QUADRANGLE: AGUADILLA
 SCALE: 1:20,000
 LATITUDE: 18-28-12N
 COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: CRUSHED/BROKEN CHALK
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED SEDIMENTARY**
 DEPOSIT FORM: TABULAR
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: CHALK
 HOST ROCK AGE: MIO
 FORMATION NAME: AYMAMON LIMESTONE
 AGE OF MINERALIZATION: MIO
 REFERENCE: MONROE, 1969A.

COUNTRY: PUERTO RICO

LONGITUDE: 067-07-42W

STATUS: 6

FORMATION AGE: MIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC00958**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
 REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **FOSO DE PRESTAMO (?)**

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO
 QUADRANGLE: AGUADILLA
 SCALE: 1:20,000
 LATITUDE: 18-27-42N
 COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: CRUSHED/BROKEN CHALK
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED SEDIMENTARY**
 DEPOSIT FORM: TABULAR
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: CHALK
 HOST ROCK AGE: MIO
 FORMATION NAME: AYMAMON LIMESTONE
 AGE OF MINERALIZATION: MIO
 REFERENCE: MONROE, 1969A.

COUNTRY: PUERTO RICO

LONGITUDE: 067-08-21W

STATUS: 6

FORMATION AGE: MIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC00959**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED CHALK QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-27-48N

LONGITUDE: 067-09-20W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN CHALK

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00960**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED CHALK QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-27-20N

LONGITUDE: 067-07-37W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN CHALK

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK
HOST ROCK AGE: MIO
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO
AGE OF MINERALIZATION: MIO
REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00961**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **CANTERAS AGUADILLA - 1**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-26-39N LONGITUDE: 067-08-45W

COMMODITY INFORMATION

COMMODITIES: LST1

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

ORE MATERIAL: LIMESTONE

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00962**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **CANTERAS AGUADILLA - 2**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-26-35N LONGITUDE: 067-08-48W

COMMODITY INFORMATION

COMMODITIES: LST1

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00963**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-24-34N

LONGITUDE: 067-09-10W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK, CALCARENITE

HOST ROCK AGE: OLIGO

FORMATION NAME: CIBAO FORMATION

FORMATION AGE: OLIGO

AGE OF MINERALIZATION: OLIGO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00964**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-24-21N

LONGITUDE: 067-08-49W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK, CALCARENITE

HOST ROCK AGE: OLIGO

FORMATION NAME:

FORMATION AGE:

AGE OF MINERALIZATION: OLIGO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00965**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-24-16N

LONGITUDE: 067-08-52W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK, CALCARENITE

HOST ROCK AGE: OLIGO

FORMATION NAME: CIBAO FORMATION
AGE OF MINERALIZATION: OLIGO
REFERENCE: MONROE, 1969A.

FORMATION AGE: OLIGO

MINERAL RESOURCES DATA SYSTEM RECORD **TC00966**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-23-56N

LONGITUDE: 067-09-28W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK, CALCARENITE

HOST ROCK AGE: OLIGO

FORMATION NAME: CIBAO FORMATION

FORMATION AGE: OLIGO

AGE OF MINERALIZATION: OLIGO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00967**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-23-52N

LONGITUDE: 067-09-47W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK, CALCARENITE

HOST ROCK AGE: OLIGO

FORMATION NAME: CIBAO FORMATION

FORMATION AGE: OLIGO

AGE OF MINERALIZATION: OLIGO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00968**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-23-34N

LONGITUDE: 067-10-01W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK, CALCARENITE

HOST ROCK AGE: OLIGO

FORMATION NAME: CIBAO FORMATION

FORMATION AGE: OLIGO

AGE OF MINERALIZATION: OLIGO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00969**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: AGUADILLA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-23-31N

LONGITUDE: 067-10-08W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK, CALCARENITE
HOST ROCK AGE: OLIGO
FORMATION NAME: CIBAO FORMATION
AGE OF MINERALIZATION: OLIGO

FORMATION AGE: OLIGO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00970**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: AGUADILLA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-23-07N

LONGITUDE: 067-12-37W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK, CALCARENITE
HOST ROCK AGE: OLIGO
FORMATION NAME: CIBAO FORMATION
AGE OF MINERALIZATION: OLIGO

FORMATION AGE: OLIGO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00971**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-26-42N

LONGITUDE: 067-08-29W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: BLANKET

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BLANKET SAND DEPOSITS

HOST ROCK AGE: PLEIS

FORMATION NAME:

FORMATION AGE:

AGE OF MINERALIZATION: PLEIS

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00972**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-24-48N

LONGITUDE: 067-08-59W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCARENITE, LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AGUADA LIMESTONE
AGE OF MINERALIZATION: MIO
REFERENCE: MONROE, 1969A.

FORMATION AGE: MIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC00973**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-25-44N

LONGITUDE: 067-06-49W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCARENITE, LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: CIBAO FORMATION

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00974**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-22-33N

LONGITUDE: 067-11-21W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK, CALCARENITE

HOST ROCK AGE: OLIGO

FORMATION NAME: CIBAO FORMATION

FORMATION AGE: OLIGO

AGE OF MINERALIZATION: OLIGO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00975**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-24-31N

LONGITUDE: 067-08-21W

COMMODITY INFORMATION

COMMODITIES: STN1?

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY?**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LANDSLIDE DEPOSITS

HOST ROCK AGE: HOLO

FORMATION NAME:

FORMATION AGE:

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00976**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA	
SCALE: 1:20,000	
LATITUDE: 18-22-59N	LONGITUDE: 067-10-09W
COMMODITY INFORMATION	
COMMODITIES: STN1	
ORE MATERIAL: AGGREGATE	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 6
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: BEDDED VOLCANICLASTIC	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: TUFFACEOUS SANDSTONE, SILTSTONE, AND SHALE	
HOST ROCK AGE: EO	
FORMATION NAME:	FORMATION AGE:
AGE OF MINERALIZATION: EO	
REFERENCE: MONROE, 1969A.	

MINERAL RESOURCES DATA SYSTEM RECORD **TC00977**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 11
AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC	
LOCATION INFORMATION	
STATE: PUERTO RICO	COUNTRY: PUERTO RICO
QUADRANGLE: AGUADILLA	
SCALE: 1:20,000	
LATITUDE: 18-23-34N	LONGITUDE: 067-10-01W
COMMODITY INFORMATION	
COMMODITIES: STN1	
ORE MATERIAL: CRUSHED/BROKEN STONE	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 6
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: BEDDED SEDIMENTARY	
DEPOSIT FORM: TABULAR	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: CHALK, CALCARENITE	
HOST ROCK AGE: OLIGO	
FORMATION NAME: CIBAO FORMATION	FORMATION AGE: OLIGO
AGE OF MINERALIZATION: OLIGO	
REFERENCE: MONROE, 1969A.	

MINERAL RESOURCES DATA SYSTEM RECORD **TC00978**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA

SCALE: 1:20,000

LATITUDE: 18-22-40N

LONGITUDE: 067-13-19W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCAREOUS CLAY, CHALK, AND CALCARENITE

HOST ROCK AGE: OLIGO-MIO

FORMATION NAME: CIBAO FORMATION

FORMATION AGE: OLIGO-MIO

AGE OF MINERALIZATION: OLIGO-MIO

REFERENCE: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00784**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE WORKING**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA, 1960

SCALE: 1:20,000

LATITUDE: 18-22-30N

LONGITUDE: 067-13-45W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE MATERIAL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: ANA S. MORALES AND OTHERS

OPERATOR: EMP. PONCE FANTAUZZI

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, ALLUVIAL, BEACH SAND**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SAND, SANDY CLAY, CLAYEY SAND

HOST ROCK AGE: QUAT

FORMATION NAME:

FORMATION AGE:

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 800 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00785**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; PAGE, N.J

UPDATED: 91 11

AFFILIATION: USGS

SITE NAME: **CANtera MEDINA INC.'S LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA, 1960

SCALE: 1:20,000

LATITUDE: 18-27-15N

LONGITUDE: 067-07-47W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN LIMESTONE, CHALK

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: VICTORIO MEDINA

OPERATOR: CANtera MEDINA, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 225 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00786**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE WORKING**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUADILLA, 1960

SCALE: 1:20,000

LATITUDE: 18-26-20N

LONGITUDE: 067-08-45W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: ANTONIO CRUZ CRUZ

OPERATOR: ANTONIO CRUZ CRUZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

FORMATION NAME: AGUADA LIMESTONE

FORMATION AGE: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 800 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1969A.

AGUAS BUENAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01044**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE, HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-22-20N

LONGITUDE: 066-07-28W

COMMODITY INFORMATION

COMMODITIES: STN1?

ORE MATERIAL: SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: PALEO-EO

FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO-EO

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01045**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-22-24N

LONGITUDE: 066-07-16W

COMMODITY INFORMATION

COMMODITIES: STN1?

ORE MATERIAL: SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: PALEO-EO

FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO-EO

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01046**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-22-13N

LONGITUDE: 066-03-03W

COMMODITY INFORMATION

COMMODITIES: STN1?

ORE MATERIAL: SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: CRET

FORMATION NAME: GUAYNABO FORMATION FORMATION AGE: CRET

GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE LEPROCOMIO SILTSTONE
MEMBER OF THE GUAYNABO FORMATION.

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01047**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-22-11N

LONGITUDE: 066-02-04W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: LCRET

FORMATION NAME: MONACILLO FORMATION FORMATION AGE: LCRET

GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE TRUJILLO ALTO LIMESTONE
MEMBER OF THE MONACILLO FORMATION.

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01048**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-22-06N

LONGITUDE: 066-01-57W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: LCRET

FORMATION NAME: MONACILLO FORMATION FORMATION AGE: LCRET

GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE TRUJILLO ALTO LIMESTONE
MEMBER OF THE MONACILLO FORMATION.

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01049**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS
SCALE: 1:20,000
LATITUDE: 18-22-04N
LONGITUDE: 066-01-38W
COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: LCRET
FORMATION NAME: MONACILLO FORMATION
FORMATION AGE: LCRET
GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE TRUJILLO ALTO LIMESTONE
MEMBER OF THE MONACILLO FORMATION.
REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01050**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-22-16N

LONGITUDE: 066-01-02W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: LCRET

FORMATION NAME: MONACILLO FORMATION
FORMATION AGE: LCRET

GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE TRUJILLO ALTO LIMESTONE
MEMBER OF THE MONACILLO FORMATION.

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01051**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-22-25N

LONGITUDE: 066-01-42W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BRECCIA, TUFF, CONGLOMERATE

HOST ROCK AGE: PALEO

FORMATION NAME: GUARACANAL ANDESITE FORMATION AGE: PALEO

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01052**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE,
HERBERT A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE:

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-21-48N

LONGITUDE: 066-00-47W

COMMODITY INFORMATION

COMMODITIES: STN1?

ORE MATERIAL: SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE, SANDSTONE

HOST ROCK AGE: LCRET

FORMATION NAME: GUAYNABO FORMATION FORMATION AGE: LCRET
GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE LEPROCOMIO SILTSTONE
MEMBER OF THE GUAYNABO FORMATION.
REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01053**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE:

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-21-52N

LONGITUDE: 066-00-24W

COMMODITY INFORMATION

COMMODITIES: STN1?

ORE MATERIAL: SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE, SANDSTONE

HOST ROCK AGE: LCRET

FORMATION NAME: GUAYNABO FORMATION FORMATION AGE: LCRET

GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE LEPROCOMIO SILTSTONE
MEMBER OF THE GUAYNABO FORMATION.

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01054**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE:

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-21-52N

LONGITUDE: 066-00-19W

COMMODITY INFORMATION

COMMODITIES: STN1?

ORE MATERIAL: SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE, SANDSTONE

HOST ROCK AGE: LCRET

FORMATION NAME: GUAYNABO FORMATION FORMATION AGE: LCRET

GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE LEPROCOMIO SILTSTONE
MEMBER OF THE GUAYNABO FORMATION.

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01055**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-21-28N

LONGITUDE: 066-00-17W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: BASALT AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BASALT

HOST ROCK AGE: LCRET

FORMATION NAME: GUAYNABO FORMATION FORMATION AGE: LCRET

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01056**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-21-27N

LONGITUDE: 066-00-11W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: BASALT AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BASALT

HOST ROCK AGE: LCRET

FORMATION NAME: GUAYNABO FORMATION FORMATION AGE: LCRET

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01057**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-21-36N

LONGITUDE: 066-00-09W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, ALLUVIAL, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL GRAVEL, SAND, SILT, CLAY

HOST ROCK AGE: HOLO
AGE OF MINERALIZATION: HOLO
REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01058**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-21-33N

LONGITUDE: 066-00-19W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, ALLUVIAL, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL GRAVEL, SAND, SILT, CLAY

HOST ROCK AGE: HOLO

AGE OF MINERALIZATION: HOLO

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01059**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-21-30N

LONGITUDE: 066-00-35W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, ALLUVIAL, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL GRAVEL, SAND, SILT, CLAY

HOST ROCK AGE: HOLO

AGE OF MINERALIZATION: HOLO

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01060**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-20-44N

LONGITUDE: 066-00-05W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, ALLUVIAL, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL GRAVEL, SAND, SILT, CLAY

HOST ROCK AGE: HOLO

AGE OF MINERALIZATION: HOLO

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01061**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-20-50N
 COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: VOLCANIC AGGREGATE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **VOLCANIC**
 DEPOSIT FORM: TABULAR, LENSELIKE
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: VOLCANIC BRECCIA, ANDESITE
 HOST ROCK AGE: LCRET
 FORMATION NAME: CORRAIZO BRECCIA
 REFERENCE: PEASE, 1968A.

LONGITUDE: 066-00-55W
 STATUS: 6
 FORMATION AGE: LCRET

MINERAL RESOURCES DATA SYSTEM RECORD TC01062

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
 REPORTED: 91 11
 AFFILIATION: USGS/CIMRI

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO
 QUADRANGLE: AGUAS BUENAS
 SCALE: 1:20,000
 LATITUDE: 18-20-16N
 COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: AGGREGATE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **VOLCANIC**
 DEPOSIT FORM: TABULAR, LENSELIKE
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: VOLCANIC BRECCIA, ANDESITE
 HOST ROCK AGE: LCRET
 FORMATION NAME: CORRAIZO BRECCIA
 REFERENCE: PEASE, 1968A.

COUNTRY: PUERTO RICO
 LONGITUDE: 066-00-40W
 STATUS: 6
 FORMATION AGE: LCRET

MINERAL RESOURCES DATA SYSTEM RECORD TC01065

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
 REPORTED: 91 11
 AFFILIATION: USGS/CIMRI

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO
 QUADRANGLE: AGUAS BUENAS
 SCALE: 1:20,000
 LATITUDE: 18-19-51N
 COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: VOLCANIC AGGREGATE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **VOLCANIC**
 DEPOSIT FORM: TABULAR, LENSELIKE
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: VOLCANIC BRECCIA, ANDESITE
 HOST ROCK AGE: LCRET
 FORMATION NAME: CORRAIZO BRECCIA
 REFERENCE: PEASE, 1968A.

COUNTRY: PUERTO RICO
 LONGITUDE: 066-01-09W
 STATUS: 6
 FORMATION AGE: LCRET

MINERAL RESOURCES DATA SYSTEM RECORD **TC01066**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
 REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO
 QUADRANGLE: AGUAS BUENAS
 SCALE: 1:20,000
 LATITUDE: 18-19-46N
 COMMODITY INFORMATION
 COMMODITIES: STN1?
 ORE MATERIAL: VOLCANIC AGGREGATE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **VOLCANIC**
 DEPOSIT FORM: TABULAR, LENSELIKE
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: VOLCANIC BRECCIA, ANDESITE
 HOST ROCK AGE: LCRET
 FORMATION NAME: CORRAIZO BRECCIA
 REFERENCE: PEASE, 1968A.

COUNTRY: PUERTO RICO
 LONGITUDE: 066-02-42W
 STATUS: 6
 FORMATION AGE: LCRET

MINERAL RESOURCES DATA SYSTEM RECORD **TC01067**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-16-26N

LONGITUDE: 066-02-22W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK AGE: LCRET

FORMATION NAME: LOS NEGROS FORMATION FORMATION AGE: LCRET

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01068**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATITUDE: 18-19-09N

LONGITUDE: 066-04-44W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: GREEN-GRAY LAVA FLOWS

HOST ROCK AGE: LCRET

FORMATION NAME: CAMARONES SANDSTONE FORMATION AGE: LCRET

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01071**

REPORTER: CARBONARO, MARGUERITE M. (PIERCE, HERBERT A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED GARNET OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS

SCALE: 1:20,000

LATTITUDE: 18-15-08N

LONGITUDE: 066-00-31W

COMMODITY INFORMATION

COMMODITIES: GAR

ORE MATERIAL: GARNET

EXPLORATION AND DEVELOPMENT

PRODUCTION? N

STATUS: 1

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEIN**

WORKINGS:

GEOLOGY

HOST ROCK: GREENSTONE, VOLCANIC ROCKS UNDIVIDED

HOST ROCK AGE: CRET

REFERENCE: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00727**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARTZ DIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS, 1968

SCALE: 1:20,000

LATTITUDE: 18-20-10N

LONGITUDE: 066-07-00W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN QUARTZ DIORITE OR ALTERED ROCK

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: SIMON CRUZ ROMAN Y LA SUCN. DE PETRONA CRUZ

OPERATOR: TOCAL CONSTRUCTION CORP.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: QUARTZ DIORITE

HOST ROCK AGE: TERT-CRET

ASSOCIATED IGNEOUS ROCKS: QUARTZ DIORITE

IGNEOUS ROCK AGE: TERT-CRET

ALTERATION: HYDROTHERMAL ALTERATION

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 1,000 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00724**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL OPERATION**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS, 1969

SCALE: 1:20,000

LATITUDE: 18-15-20N

LONGITUDE: 066-01-00W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: CAQUAS SUGAR GROWERS INC.

OPERATOR: TERRASSA SAND AND GRAVEL

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 5000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00725**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; PIERCE, H.A.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRIES**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS, 1969

SCALE: 1:20,000

LATITUDE: 18-19-06N

LONGITUDE: 066-05-13W

COMMODITY INFORMATION

COMMODITIES: LST STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: CANTERAS DE PUERTO RICO

OPERATOR: CANTERAS DE PUERTO RICO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: CRET

FORMATION NAME: LA MUDA FORMATION

FORMATION AGE: CRET

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 400 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00728**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS, 1969

SCALE: 1:20,000

LATITUDE: 18-18-20N

LONGITUDE: 066-04-00W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: ANDRES GONZALEZ MELENDEZ

OPERATOR: ANDRES GONZALEZ MELENDEZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL?, SEDIMENTARY?**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SEDIMENTS?

HOST ROCK AGE: QUAT?

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 2,500 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00729**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 07

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **MORA DEVELOPMENT CORP.'S LIMESTONE OPERATION**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS, 1969

SCALE: 1:20,000

LATITUDE: 18-22-10N

LONGITUDE: 066-03-15W

COMMODITY INFORMATION

COMMODITIES: LST STN1

ORE MATERIAL: CRUSHED/BROKEN LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: MORA DEVELOPMENT CORP.

OPERATOR: MORA DEVELOPMENT CORP.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE, SILTSTONE

HOST ROCK AGE: CRET

FORMATION NAME: GUAYNABO FORMATION FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 1,000 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00825**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 09 AFFILIATION: USGS
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **RIO CONSTRUCTION'S SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: GUAYNABO

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS, 1969

SCALE: 1:20,000

LATITUDE: 18-20-00N

LONGITUDE: 066-07-10W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: RIO CONSTRUCTION

OPERATOR: RIO CONSTRUCTION

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

GEOLOGY

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 2000 CUBIC METERS.

REFERENCE: PEASE, 1968A.

REFERENCE 2: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00726**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; PIERCE, H.A.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **CANTERA CARRAIZO'S AGGREGATE WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: AGUAS BUENAS, 1982

SCALE: 1:20,000

LATITUDE: 18-20-07N

LONGITUDE: 066-01-08W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN BRECCIA OR ANDESITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: CANTERA CARRAIZO

OPERATOR: CANTERA CARRAIZO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED**

DEPOSIT FORM: TABULAR, LENSELIKE

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA, ANDESITE

HOST ROCK AGE: LCRET

FORMATION NAME: CORRAIZO BRECCIA

FORMATION AGE: LCRET

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968A.

ARECIBO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01002**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)

REPORTED: 91 10

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-28-28N

LONGITUDE: 066-44-42W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **EOLIAN SEDIMENTARY**

DEPOSIT FORM: BLANKET

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CEMENTED DUNES

HOST ROCK AGE: PLEIS

AGE OF MINERALIZATION: PLEIS

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01003**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-29-02N

LONGITUDE: 066-41-50W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **EOLIAN SEDIMENTARY**

DEPOSIT FORM: BLANKET

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: DUNE SAND

HOST ROCK AGE: HOLO

AGE OF MINERALIZATION: HOLO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01004**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-28-58N

LONGITUDE: 066-41-38W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **EOLIAN SEDIMENTARY**

DEPOSIT FORM: BLANKET

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: DUNE SAND

HOST ROCK AGE: HOLO
AGE OF MINERALIZATION: HOLO
REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01005**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-29-02N

LONGITUDE: 066-40-44W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **EOLIAN SEDIMENTARY**

DEPOSIT FORM: BLANKET

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CEMENTED DUNES

HOST ROCK AGE: PLEIS

AGE OF MINERALIZATION: PLEIS

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01006**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-29-04N

LONGITUDE: 066-40-21W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION
DEPOSIT TYPE: **EOLIAN SEDIMENTARY**
DEPOSIT FORM: BLANKET
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: CEMENTED DUNES
HOST ROCK AGE: PLEIS
AGE OF MINERALIZATION: PLEIS
REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01007**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-28-25N

LONGITUDE: 066-44-13W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **EOLIAN SEDIMENTARY**

DEPOSIT FORM: BLANKET

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CEMENTED DUNES

HOST ROCK AGE: PLEIS

AGE OF MINERALIZATION: PLEIS

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01008**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-27-07N	LONGITUDE: 066-44-21W
COMMODITY INFORMATION	
COMMODITIES: LST	
ORE MATERIAL: LIMESTONE	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 6
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: BEDDED, SEDIMENTARY	
DEPOSIT FORM: TABULAR	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: LIMESTONE	
HOST ROCK AGE: EMIO	
FORMATION NAME: AYMAMON LIMESTONE	FORMATION AGE: EMIO
AGE OF MINERALIZATION: EMIO	
REFERENCE: BRIGGS, 1968.	

MINERAL RESOURCES DATA SYSTEM RECORD **TC01009**

REPORTER: CARBONARO, MARGUERITE M.	(PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10	AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-27-29N

LONGITUDE: 066-44-18W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01010**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-27-31N

LONGITUDE: 066-44-21W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01011**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-27-51N

LONGITUDE: 066-44-27W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MID MIO

FORMATION NAME: CAMUY LIMESTONE
AGE OF MINERALIZATION: MID MIO
REFERENCE: BRIGGS, 1968.

FORMATION AGE: MID MIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC01012**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-28-16N

COUNTRY: PUERTO RICO

LONGITUDE: 066-43-32W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MID MIO

FORMATION NAME: CAMUY LIMESTONE

FORMATION AGE: MID MIO

AGE OF MINERALIZATION: MID MIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01013**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-28-28N

COUNTRY: PUERTO RICO

LONGITUDE: 066-44-29W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MID MIO

FORMATION NAME: CAMUY LIMESTONE

FORMATION AGE: MID MIO

AGE OF MINERALIZATION: MID MIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01014**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)

REPORTED: 91 10

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-29-08N

LONGITUDE: 066-39-34W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MID MIO

FORMATION NAME: CAMUY LIMESTONE

FORMATION AGE: MID MIO

AGE OF MINERALIZATION: MID MIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01015**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)

REPORTED: 91 10

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-27-07N
COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: EMIO
FORMATION NAME: AYMAMON LIMESTONE
AGE OF MINERALIZATION: EMIO
REFERENCE: BRIGGS, 1968.

COUNTRY: PUERTO RICO
LONGITUDE: 066-44-17W
STATUS: 6
FORMATION AGE: EMIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC01016**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10
AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-26-48N
COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: EMIO
FORMATION NAME: AYMAMON LIMESTONE
AGE OF MINERALIZATION: EMIO
REFERENCE: BRIGGS, 1968.

COUNTRY: PUERTO RICO
LONGITUDE: 066-43-46W
STATUS: 6
FORMATION AGE: EMIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC01017**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-26-50N

LONGITUDE: 066-43-40W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01018**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-28-48N

LONGITUDE: 066-37-47W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MID MIO

FORMATION NAME: CAMUY LIMESTONE
AGE OF MINERALIZATION: MID MIO
REFERENCE: BRIGGS, 1968.

FORMATION AGE: MID MIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC01019**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-27-19N

LONGITUDE: 066-39-59W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01020**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-27-38N

LONGITUDE: 066-38-13W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: MID MIO
FORMATION NAME: CAMUY LIMESTONE FORMATION AGE: MID MIO
AGE OF MINERALIZATION: MID MIO
REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01021**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-26-56N

LONGITUDE: 066-38-08W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01022**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-26-54N
COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: EMIO
FORMATION NAME: AYMAMON LIMESTONE
AGE OF MINERALIZATION: EMIO
REFERENCE: BRIGGS, 1968.

COUNTRY: PUERTO RICO
LONGITUDE: 066-39-24W
STATUS: 6
FORMATION AGE: EMIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC01023**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-26-15N
COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: EMIO
FORMATION NAME: AYMAMON LIMESTONE
AGE OF MINERALIZATION: EMIO
REFERENCE: BRIGGS, 1968.

COUNTRY: PUERTO RICO
LONGITUDE: 066-41-42W
STATUS: 6
FORMATION AGE: EMIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC01024**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-26-31N

LONGITUDE: 066-41-11W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01025**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-26-27N

LONGITUDE: 066-41-10W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: EMIO
AGE OF MINERALIZATION: EMIO
REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01026**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-26-24N

LONGITUDE: 066-40-51W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01027**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-26-56N

LONGITUDE: 066-38-08W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: EMIO
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: EMIO
AGE OF MINERALIZATION: EMIO
REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01028**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO

SCALE: 1:20,000

LATITUDE: 18-25-49N

LONGITUDE: 066-38-07W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

REFERENCE: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00746**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 07

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO, 1982

SCALE: 1:20,000

LATITUDE: 18-27-10N

LONGITUDE: 066-37-45W

COMMODITY INFORMATION

COMMODITIES: LST STN1

ORE MATERIAL: LIMESTONE, AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: MANUEL SANTOS RIVERA

OPERATOR: ANDRES CRUZ NEGRON

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEDDED**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: TERT

AGE OF MINERALIZATION: TERT

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 200 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES.

REFERENCE 2: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00747**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO, 1984

SCALE: 1:20,000

LATITUDE: 18-27-10N

LONGITUDE: 066-39-40W

COMMODITY INFORMATION

COMMODITIES: STN LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: JUAN HERNANDEZ

OPERATOR: ANTONIO MARINA RIVERA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEDDED**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: TERT
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 400 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: BRIGGS, 1968.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00748**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 06 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ARECIBO, 1984

SCALE: 1:20,000

LATITUDE: 18-26-45N

LONGITUDE: 066-44-50W

COMMODITY INFORMATION

COMMODITIES: STN LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: SUCN. ARTURO DELGADO

OPERATOR: VICTOR GUZMAN REYES

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: BRIGGS, 1968.

BARCELONETA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00975**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-29-10N

LONGITUDE: 066-36-12W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MID MIO

FORMATION NAME: CAMUY LIMESTONE

FORMATION AGE: MID MIO

AGE OF MINERALIZATION: MID MIO

PRODUCTION COMMENTS: BRIGGS IDENTIFIES THE QUARRY AS LARGE.

REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00987**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-29-09N

LONGITUDE: 066-36-59W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: MID MIO
FORMATION NAME: CAMUY LIMESTONE FORMATION AGE: MID MIO
AGE OF MINERALIZATION: MID MIO
PRODUCTION COMMENTS: BRIGGS IDENTIFIES IT AS A SMALL QUARRY.
REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00988**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-29-02N

LONGITUDE: 066-36-53W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MID MIO

FORMATION NAME: CAMUY LIMESTONE

FORMATION AGE: MID MIO

AGE OF MINERALIZATION: MID MIO

PRODUCTION COMMENTS: BRIGGS IDENTIFIES THE QUARRY AS SMALL.

REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00989**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA	
SCALE: 1:20,000	
LATITUDE: 18-26-28N	LONGITUDE: 066-33-50W
COMMODITY INFORMATION	
COMMODITIES: LST	
ORE MATERIAL: LIMESTONE	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 6
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: BEDDED SEDIMENTARY	
DEPOSIT FORM: TABULAR	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: LIMESTONE	
HOST ROCK AGE: EMIO	
FORMATION NAME: AYMAMON LIMESTONE	FORMATION AGE: EMIO
AGE OF MINERALIZATION: EMIO	
PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS LARGE.	
REFERENCE: BRIGGS, 1965.	

MINERAL RESOURCES DATA SYSTEM RECORD **TC00990**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 10
AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC	
LOCATION INFORMATION	
STATE: PUERTO RICO	COUNTRY: PUERTO RICO
QUADRANGLE: BARCELONETA	
SCALE: 1:20,000	
LATITUDE: 18-27-43N	LONGITUDE: 066-33-16W
COMMODITY INFORMATION	
COMMODITIES: LST	
ORE MATERIAL: LIMESTONE	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 6
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: BEDDED SEDIMENTARY	
DEPOSIT FORM: TABULAR	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: LIMESTONE	
HOST ROCK AGE: EMIO	
FORMATION NAME: AYMAMON LIMESTONE	FORMATION AGE: EMIO
AGE OF MINERALIZATION: EMIO	
PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS LARGE.	
REFERENCE: BRIGGS, 1965.	

MINERAL RESOURCES DATA SYSTEM RECORD **TC00991**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-27-46N

LONGITUDE: 066-31-13W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS LARGE.

REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00992**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-27-21N

LONGITUDE: 066-30-08W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: EMIO
AGE OF MINERALIZATION: EMIO
PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS SMALL.
REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00993**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-27-05N

LONGITUDE: 066-32-21W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

PRODUCTION COMMENTS: BRIGGS IDENTIFIES THE QUARRY AS SMALL.

REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00994**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-27-40N

LONGITUDE: 066-36-24W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MID MIO

FORMATION NAME: CAMUY LIMESTONE

FORMATION AGE: MID MIO

AGE OF MINERALIZATION: MID MIO

PRODUCTION COMMENTS: BRIGGS IDENTIFIES THE QUARRY AS SMALL.

REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00995**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)

REPORTED: 91 10

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-27-16N

LONGITUDE: 066-32-52W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS LARGE.

REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00996**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-27-27N

LONGITUDE: 066-35-56W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: EMIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: EMIO

AGE OF MINERALIZATION: EMIO

PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS SMALL.

REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00997**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-26-01N

LONGITUDE: 066-35-00W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **EOLIAN, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CEMENTED DUNES

HOST ROCK AGE: PLEIS

AGE OF MINERALIZATION: PLEIS
PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS SMALL.
REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00998**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-29-03N

LONGITUDE: 066-33-07W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **EOLIAN, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CEMENTED DUNES

HOST ROCK AGE: PLEIS

AGE OF MINERALIZATION: PLEIS

PRODUCTION COMMENTS: BRIGGS IDENTIFIES THE QUARRY AS SMALL.

REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00999**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 10 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA

SCALE: 1:20,000

LATITUDE: 18-28-53N

LONGITUDE: 066-33-07W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **EOLIAN, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY

HOST ROCK: CEMENTED DUNES
HOST ROCK AGE: PLEIS
AGE OF MINERALIZATION: PLEIS

PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS SMALL.
REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01000**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 10

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: BARCELONETA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-29-13N
COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND

LONGITUDE: 066-32-45W

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION
DEPOSIT TYPE: **EOLIAN, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY

HOST ROCK: DUNE SAND
HOST ROCK AGE: HOLO
AGE OF MINERALIZATION: HOLO

PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS LARGE.
REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01001**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 10

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: BARCELONETA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-28-37N LONGITUDE: 066-30-15W
COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **EOLIAN, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: DUNE SAND
HOST ROCK AGE: HOLO
AGE OF MINERALIZATION: HOLO
PRODUCTION COMMENTS: BRIGGS IDENTIFIES QUARRY AS LARGE.
REFERENCE: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00749**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: BARCELONETA, 1982
SCALE: 1:20,000
LATITUDE: 18-28-00N LONGITUDE: 066-32-00W
COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 7
OWNER: ELA
OPERATOR: MUNICIPIO DE BARCELONETA
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **SEDIMENTARY, ALLUVIAL**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: ALLUVIUM
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT
PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 300 CUBIC METERS PER DAY.
REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES.
REFERENCE 2: BRIGGS, 1965.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00810**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARCELONETA, 1982

SCALE: 1:20,000

LATITUDE: 18-27-30N

LONGITUDE: 066-33-40W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: AUTORIDAD DE TIERRAS

OPERATOR: ILDEFENSO VILLAR STGO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIUM?**

WORKINGS: SURFACE

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

BARRANQUITAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00952**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARRANQUITAS

SCALE: 1:20,000

LATITUDE: 18-12-07N

LONGITUDE: 066-15-48W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BASALT TO ANDESITE FLOWS, FLOW BRECCIA

HOST ROCK AGE: LCRET

FORMATION NAME: FORMATION L

FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: BRIGGS AND GELABERT, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00953**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARRANQUITAS

SCALE: 1:20,000

LATITUDE: 18-13-50N

LONGITUDE: 066-19-24W

COMMODITY INFORMATION

COMMODITIES: LST1

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: LCRET

FORMATION NAME: FORMATION L

FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: BRIGGS AND GELABERT, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00954**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BARRANQUITAS	
SCALE: 1:20,000	
LATITUDE: 18-13-59N	LONGITUDE: 066-19-20W
COMMODITY INFORMATION	
COMMODITIES: LST1	
ORE MATERIAL: LIMESTONE AGGREGATE	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 6
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: BEDDED, SEDIMENTARY	
DEPOSIT FORM: TABULAR	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: LIMESTONE	
HOST ROCK AGE: LCRET	
FORMATION NAME: FORMATION L	FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET	
REFERENCE: BRIGGS AND GELABERT, 1962.	

MINERAL RESOURCES DATA SYSTEM RECORD **TC00955**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
REPORTED: 91 11
AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC	
LOCATION INFORMATION	
STATE: PUERTO RICO	COUNTRY: PUERTO RICO
QUADRANGLE: BARRANQUITAS	
SCALE: 1:20,000	
LATITUDE: 18-07-41N	LONGITUDE: 066-17-05W
COMMODITY INFORMATION	
COMMODITIES: STN1	
ORE MATERIAL: AGGREGATE	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 6
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: BEDDED	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: BASALT TO ANDESITE TUFFACEOUS SANDSTONE	
HOST ROCK AGE: LCRET	
FORMATION NAME: ROBLES FORMATION	FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET	
REFERENCE: BRIGGS AND GELABERT, 1962.	

BAYAMON QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01256

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **TERRAZO CHIP QUARRY**

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE TOA BAJA

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: BAYAMON
SCALE: 1:20,000
LATITUDE: 18-24-34N LONGITUDE: 066-12-13W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN CALCARENITE AND LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCARENITE, CLAYEY AND CHALKY LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AGUADA LIMESTONE FORMATION AGE: MIO

REFERENCE: MONROE, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD TC01257

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED**

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE TOA BAJA

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: BAYAMON
SCALE: 1:20,000
LATITUDE: 18-25-19N LONGITUDE: 066-10-42W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN CALCARENITE AND LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY

HOST ROCK: CALCARENITE, CLAYEY AND CHALKY LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AGUADA LIMESTONE FORMATION AGE: MIO
REFERENCE: MONROE, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01258**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED**

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE TAO BAJA
LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: BAYAMON
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-25-02N
COMMODITY INFORMATION

LONGITUDE: 066-14-58W

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN CALCARENITE AND LIMESTONE
EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCARENITE, CLAYEY AND CHALKY LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AGUADA LIMESTONE FORMATION AGE: MIO
REFERENCE: MONROE, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01259**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED**

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE TOA BAJA
LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: BAYAMON
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-24-53N LONGITUDE: 066-11-51W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN CALCARENITE AND LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED SEDIMENTARY**
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: CALCARENITE, CLAYEY AND CHALKY LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AGUADA LIMESTONE FORMATION AGE: MIO
REFERENCE: MONROE, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01260**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED CHALK QUARRY**

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE BAYAMON
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: BAYAMON
SCALE: 1:20,000
LATITUDE: 18-24-41N LONGITUDE: 066-10-35W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN CHALK
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED SEDIMENTARY**
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: MIO-OLIGO
FORMATION NAME: CIBAO FORMATION FORMATION AGE: MIO-OLIGO
AGE OF MINERALIZATION: MIO-OLIGO
REFERENCE: MONROE, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01261**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED CHALK QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: MUNICIPIO DE BAYAMON

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BAYAMON

SCALE: 1:20,000

LATITUDE: 18-24-47N

LONGITUDE: 066-10-25W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN CHALK

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO-OLIGO

FORMATION NAME: CIBAO FORMATION

FORMATION AGE: MIO-OLIGO

AGE OF MINERALIZATION: MIO-OLIGO

REFERENCE: MONROE, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00717**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BAYAMON, 1982

SCALE: 1:20,000

LATITUDE: 18-22-40N

LONGITUDE: 066-14-45W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: PABLO MORALES COIRA

OPERATOR: PABLO MORALES COIRA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SANDY LIMESTONE

HOST ROCK AGE: TERT?

FORMATION NAME: CIBAO FORMATION

FORMATION AGE: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE AND PEASE, 1962.

UNKNOWN23: MONROE, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00718**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BAYAMON, 1982

SCALE: 1:20,000

LATITUDE: 18-25-05N

LONGITUDE: 066-14-35W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: MASTER CONCRETE; OSCAR NEVAREZ

OPERATOR: MASTER AGGRE. TOA BAJA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEDDED**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: TERT

AGE OF MINERALIZATION: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE AND PEASE, 1962.

UNKNOWN23: MONROE, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00719**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 90 08 AFFILIATION: USGS
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: CATANO

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BAYAMON, 1982

SCALE: 1:20,000

LATITUDE: 18-27-00N

LONGITUDE: 066-09-35W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: JOSE NIEVES CRUZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SEDIMENTS

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 200 CUBIC METERS.

REFERENCE: MONROE AND PEASE, 1962.

REFERENCE 2: MONROE, 1973.

UNKNOWN23: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00720**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **LEVITT HOMES, INC.'S LIMESTONE QUARRIES**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: BAYAMON, 1982

SCALE: 1:20,000

LATITUDE: 18-25-00N

LONGITUDE: 066-11-50W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? L

STATUS: 7

OWNER: LEVITT HOMES INC.
OPERATOR: LEVITT HOMES INC.
DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

FORMATION NAME: AGUADA LIMESTONE

FORMATION AGE: TERT

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: TERT

AGE OF MINERALIZATION: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 8000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES.

REFERENCE 2: MONROE AND PEASE, 1962.

UNKNOWN23: MONROE, 1973.

CABO ROJO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD W701167

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED DOLOMITE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CABO ROJO

SCALE: 1:20,000

LATITUDE: 17-59-33N

LONGITUDE: 067-09-45W

COMMODITY INFORMATION

COMMODITIES: DOL

ORE MATERIAL: DOLOMITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS: 1

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**

WORKINGS:

GEOLOGY

HOST ROCK: CARBONATES

HOST ROCK AGE: LCRET

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00949**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **SIERRA BERMEJA**

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE LAJAS
LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: CABO ROJO
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 17-59-40N
COMMODITY INFORMATION

LONGITUDE: 067-06-30W

COMMODITIES: STN
ORE MATERIAL: STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE, CHERT, QUARTZ DIORITE PORPHYRY

HOST ROCK AGE: JUR-CRET

FORMATION NAME: MARIQUITA CHERT

FORMATION AGE: JUR-CRET

AGE OF MINERALIZATION: JUR-CRET

ASSOCIATED IGNEOUS ROCKS: QUARTZ DIORITE PORPHYRY

IGNEOUS ROCK AGE: CRET

REFERENCE: VOLCKMANN, 1984C.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00787**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: CABO ROJO, 1966
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 17-58-50N
COMMODITY INFORMATION

LONGITUDE: 067-08-10W

COMMODITIES: STN1

ORE MATERIAL: AMPHIBOLITE, AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: TOMAS GONZALEZ RUIZ

OPERATOR: TOMAS GONZALEZ RUIZ
DEPOSIT DESCRIPTION

DEPOSIT TYPE: **METAMORPHIC**
WORKINGS: SURFACE
GEOLOGY

HOST ROCK: GNEISSIC AMPHIBOLITE

HOST ROCK AGE: LJUR-ECRET

AGE OF MINERALIZATION: LJUR-ECRET

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 800 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: VOLCKMANN, 1984C.

CAGUAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00979

REPORTER: CARBONARO, MARGUERITE M. (STAUDE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS, CIMRI

SITE NAME: RIO GRANDE DE LOIZA SAND WORKINGS

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE CAGUAS
LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAGUAS

SCALE: 1:20,000

LATITUDE: 18-13-30N

LONGITUDE: 066-00-50W

COMMODITY INFORMATION

COMMODITIES: SIL? SDG

ORE MATERIAL: QUARTZ-RICH SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SAND, GRAVEL

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

REFERENCE: ROGERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00980**

REPORTER: CARBONARO, MARGUERITE M. (STAUDE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS, CIMRI

SITE NAME: **RIO TURABO SAND QUARRY**

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE CAGUAS

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: CAGUAS
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATTITUDE: 18-11-15N

LONGITUDE: 066-03-00W

COMMODITY INFORMATION

COMMODITIES: SIL SDG
ORE MATERIAL: QUARTZ-RICH SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SAND, GRAVEL
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT
REFERENCE: ROGERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00981**

REPORTER: CARBONARO, MARGUERITE M. (STAUDE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS, CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: METALLIC/NONMETALLIC

UNKNOWN1: MUNICIPIO DE CAGUAS

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: CAGUAS
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATTITUDE: 18-12-10N

LONGITUDE: 066-03- W

COMMODITY INFORMATION

COMMODITIES: STN1 FE CU
ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC, DIORITE DIKE
HOST ROCK AGE: CRET

FORMATION NAME: FORMATION J FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
ASSOCIATED IGNEOUS ROCKS: VOLCANIC, DIORITE DIKE
IGNEOUS ROCK AGE: CRET
REFERENCE: ROGERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00982**

REPORTER: CARBONARO, MARGUERITE M. (STAUDE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS, CIMRI

SITE NAME: **BEATRIZ**

COMMODITY TYPE: M
UNKNOWN1: MUNICIPIO DE CAGUAS
LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAGUAS

SCALE: 1:20,000

LATITUDE: 18-11-00N

LONGITUDE: 066-03-45W

COMMODITY INFORMATION

COMMODITIES: ZN FE CU

ORE MATERIAL: SPHALERITE, PYRITE, CHALCOPYRITE, MALACHITE, AZURITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BASEMETAL SULFIDE VEIN, FISSURE FILLING**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC, TONALITE

HOST ROCK AGE: CRET

FORMATION NAME: FORMATION J

FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

ASSOCIATED IGNEOUS ROCKS: VOLCANIC, TONALITE PLUTON

IGNEOUS ROCK AGE: CRET

ALTERATION: ARGILLIC ALTERATION OF VOLCANICS

GEOLOGIC COMMENTS: MINE PLOTS IN THE CAGUAS PLUTON OF FORMATION J.

REFERENCE: ROGERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00983**

REPORTER: CARBONARO, MARGUERITE M. (STAUDE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS, CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE CAGUAS
LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAGUAS
 SCALE: 1:20,000
 LATITUDE: 18-13-20N
 LONGITUDE: 066-04-30W
 COMMODITY INFORMATION
 COMMODITIES: STN1 LST
 ORE MATERIAL: LIMESTONE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: LIMESTONE
 HOST ROCK AGE: CRET
 FORMATION NAME: AGUAS BUENAS LIMESTONE
 FORMATION AGE: CRET
 FORMATION NAME: CAGUAS PLUTON
 FORMATION AGE: CRET
 AGE OF MINERALIZATION: CRET
 ASSOCIATED IGNEOUS ROCKS: TONALITE
 IGNEOUS ROCK AGE: CRET
 REFERENCE: ROGERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00984**

REPORTER: CARBONARO, MARGUERITE M. (STAUDE, JOHN-MARK G.)
 REPORTED: 91 11
 AFFILIATION: USGS, CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
 UNKNOWN1: MUNICIPIO DE CAGUAS
 LOCATION INFORMATION
 STATE: PUERTO RICO
 COUNTRY: PUERTO RICO
 QUADRANGLE: CAGUAS
 SCALE: 1:20,000
 LATITUDE: 18-13-30N
 LONGITUDE: 066-04-50W
 COMMODITY INFORMATION
 COMMODITIES: STN1 LST
 ORE MATERIAL: LIMESTONE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: LIMESTONE
 HOST ROCK AGE: CRET
 FORMATION NAME: AGUAS BUENAS LIMESTONE
 FORMATION AGE: CRET
 FORMATION NAME: CAGUAS PLUTON
 FORMATION AGE: CRET
 AGE OF MINERALIZATION: CRET
 ASSOCIATED IGNEOUS ROCKS: TONALITE
 IGNEOUS ROCK AGE: CRET
 REFERENCE: ROGERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00721**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: CAGUAS, 1982
SCALE: 1:20,000
LATITUDE: 18-14-50N LONGITUDE: 066-03-20W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: VOLCANIC ROCK

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 7
OWNER: JOSE W. CARTAGENA
OPERATOR: JOSE W. CARTAGENA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BASALTIC TUFF, GRANODIORITE?
HOST ROCK AGE: CRET

FORMATION NAME: LOS NEGROS FORMATION FORMATION AGE: LCRET

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 1,500 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: ROGERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00722**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 06 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **PRODUCTOS AGREGADOS DE GURABO'S SAND AND GRAVEL
OPERATION**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: CAGUAS, 1982
SCALE: 1:20,000
LATITUDE: 18-13-30N LONGITUDE: 066-00-40W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M STATUS: 7

OWNER: PRODUCTOS AGREGADOS DE GURABO
OPERATOR: PRODUCTOS AGREGADOS DE GURABO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM
HOST ROCK AGE: PLEIS-HOLO
AGE OF MINERALIZATION: PLEIS-HOLO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: ROGERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00819**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **MARMOLES PAONAZZO'S QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: MUNICIPIO DE CAGUAS

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: CAGUAS, 1982
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-14-30N

LONGITUDE: 066-04-55W

COMMODITY INFORMATION

COMMODITIES: MBL
ORE MATERIAL: MARBLE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L STATUS: 7

OWNER: MARMOLES PAONAZZO, INC.
OPERATOR: MARMOLES PAONAZZO, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **CONTACT(?) METAMORPHIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: MARBLE
HOST ROCK AGE: CRET
FORMATION NAME: TORRECILLA BRECCIA
FORMATION NAME: AGUAS BUENAS LIMESTONE
FORMATION NAME: CAGUAS PLUTON
AGE OF MINERALIZATION: CRET
ASSOCIATED IGNEOUS ROCKS: GRANODIORITE

FORMATION AGE: CRET
FORMATION AGE: CRET
FORMATION AGE: CRET

IGNEOUS ROCK AGE: CRET
GEOLOGIC COMMENTS: AGUAS BUENAS LIMESTONE IS A MEMBER OF THE
TORRECILLA BRECCIA. PRODUCTION COMMENTS: MAXIMUM AMOUNT OF
PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: ROGERS, 1979.

CAMUY QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00951

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **ARENAL**

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE ARECIBO
LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: CAMUY

COUNTRY: PUERTO RICO

SCALE: 1:20,000
LATITUDE: 18-27-52N

LONGITUDE: 066-45-06W

COMMODITY INFORMATION

COMMODITIES: SIL
ORE MATERIAL: SILICA

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: QUARTZ SAND
HOST ROCK AGE: PLEIS

FORMATION NAME:

FORMATION AGE:

REFERENCE: MONROE, 1963A.

MINERAL RESOURCES DATA SYSTEM RECORD TC00795

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: CAMUY, 1982

SCALE: 1:20,000

LATITUDE: 18-26-50N

COUNTRY: PUERTO RICO

LONGITUDE: 066-46-05W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: JORGE AMADOR TOLEDO

OPERATOR: ADRIEL COLON COLON

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEDDED**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: TERT

AGE OF MINERALIZATION: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 300 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00796**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: CAMUY, 1982

SCALE: 1:20,000

LATITUDE: 18-26-45N

COUNTRY: PUERTO RICO

LONGITUDE: 066-45-58W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: LUIS F. AVILA ROMAN

OPERATOR: LUIS F. AVILA ROMAN

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEDDED**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: TERT

AGE OF MINERALIZATION: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 50 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00797**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAMUY, 1982

SCALE: 1:20,000

LATITUDE: 18-26-40N

LONGITUDE: 066-47-10W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: JORGE TOLEDO GONZALEZ

OPERATOR: CARLOS DELGADO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEDDED**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: TERT

AGE OF MINERALIZATION: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 200 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00798**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAMUY, 1982

SCALE: 1:20,000

LATITUDE: 18-25-45N

LONGITUDE: 066-45-40W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: ADRIEL COLON COLON

OPERATOR: ADRIEL COLON COLON Y/O CANTERA GREEN

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEDDED**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: TERT

AGE OF MINERALIZATION: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 300 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00799**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAMUY, 1982

SCALE: 1:20,000

LATITUDE: 18-29-30N

LONGITUDE: 066-52-25W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: ELA

OPERATOR: JOSE R. HARRISON LUGO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **EOLIAN SAND**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SAND

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR EXTRACTION AS AVAILABLE.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00823**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAMUY, 1982

SCALE: 1:20,000

LATITUDE: 18-26-05N

LONGITUDE: 066-46-00W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: LUIS R. COLON MORA

OPERATOR: LUIS R. COLON MORA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEDDED**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: TERT

AGE OF MINERALIZATION: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 600 CUBIC METERS.

REFERENCE: MONROE, 1963A.

REFERENCE 2: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

CAROLINA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01075**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED STONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-10N

LONGITUDE: 065-59-51W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFFACEOUS SILTSTONE

HOST ROCK AGE: PALEO

FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01076**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED STONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-15N

LONGITUDE: 065-59-37W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFFACEOUS SILTSTONE
HOST ROCK AGE: PALEO
FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01077**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-20N

LONGITUDE: 065-59-35W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFFACEOUS SILTSTONE

HOST ROCK AGE: PALEO

FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01078**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-20N

LONGITUDE: 065-59-32W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: BEDDED, VOLCANICLASTIC

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFFACEOUS SILTSTONE

HOST ROCK AGE: PALEO

FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD TC01079

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED STONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-24N

LONGITUDE: 065-59-27W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: BEDDED, VOLCANICLASTIC

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFFACEOUS SILTSTONE

HOST ROCK AGE: PALEO

FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD TC01080

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED STONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-29N

LONGITUDE: 065-59-20W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN SILTSTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: TUFFACEOUS SILTSTONE
HOST ROCK AGE: PALEO
FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01081**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-31N

LONGITUDE: 065-59-16W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN SILTSTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: TUFFACEOUS SILTSTONE
HOST ROCK AGE: PALEO
FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01082**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: CAROLINA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-23-31N

LONGITUDE: 065-59-12W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFFACEOUS SILTSTONE

HOST ROCK AGE: PALEO

FORMATION NAME: RIO PIEDRAS SILTSTONE FORMATION AGE: PALEO

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01083**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: CAROLINA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-22-45N

LONGITUDE: 065-58-13W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC SANDSTONE

HOST ROCK AGE: LCRET

FORMATION NAME: FRAILES FORMATION FORMATION AGE: LCRET

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01084**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-22-31N

LONGITUDE: 065-57-42W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND AND GRAVEL

HOST ROCK AGE: PLEIS-HOLO

GEOLOGIC COMMENTS: LOCATION PLOTS IN UNIT QA.

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01085**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-22-37N

LONGITUDE: 065-57-38W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND AND GRAVEL

HOST ROCK AGE: PLEIS-HOLO

GEOLOGIC COMMENTS: LOCATION PLOTS IN UNIT QA.

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01087**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-05N

LONGITUDE: 065-56-51W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND AND GRAVEL

HOST ROCK AGE: PLEIS-HOLO

GEOLOGIC COMMENTS: LOCATION PLOTS IN UNIT QA.

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01088**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-10N

LONGITUDE: 065-55-40W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND AND GRAVEL

HOST ROCK AGE: PLEIS-HOLO

GEOLOGIC COMMENTS: LOCATION PLOTS IN UNIT QA.

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01089**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-09N

LONGITUDE: 065-55-12W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND AND GRAVEL

HOST ROCK AGE: PLEIS-HOLO

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01090**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-13N

LONGITUDE: 065-54-17W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND AND GRAVEL
HOST ROCK AGE: PLEIS-HOLO
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01091**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-23-40N

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND AND GRAVEL

HOST ROCK AGE: PLEIS-HOLO

REFERENCE: MONROE, 1977.

COUNTRY: PUERTO RICO

LONGITUDE: 065-57-47W

STATUS: 6

MINERAL RESOURCES DATA SYSTEM RECORD **TC01092**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-25-22N

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

COUNTRY: PUERTO RICO

LONGITUDE: 065-53-36W

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY

HOST ROCK: ALLUVIAL SAND AND GRAVEL
HOST ROCK AGE: PLEIS-HOLO
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01093**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED BASALT QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-22-41N

LONGITUDE: 065-53-29W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN BASALT

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: PORPHYRITIC ANDESITIC BASALT

HOST ROCK AGE: LCRET

FORMATION NAME: MARTIN GONZALEZ LAVA FORMATION AGE: LCRET

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01094**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED MUDSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-22-37N

LONGITUDE: 065-54-31W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN MUDSTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: CALCAREOUS MUDSTONE
HOST ROCK AGE: LCRET
FORMATION NAME: FRAILES FORMATION FORMATION AGE: LCRET
GEOLOGIC COMMENTS: PLOTS IN THE LEPROCOMIO MEMBER OF THE FRAILES
FORMATION.
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01095**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-24-08N

LONGITUDE: 065-53-25W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AGUADA LIMESTONE

FORMATION AGE: MIO

GEOLOGIC COMMENTS: UNIT TA.

REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01096**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: CAROLINA
SCALE: 1:20,000
LATITUDE: 18-24-16N
COUNTRY: PUERTO RICO
LONGITUDE: 065-56-52W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AGUADA LIMESTONE
FORMATION AGE: MIO
GEOLOGIC COMMENTS: UNIT TA.
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01097**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11
AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE:
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: CAROLINA
SCALE: 1:20,000
LATITUDE: 18-24-26N
COUNTRY: PUERTO RICO
LONGITUDE: 065-53-29W
COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AYMAMON LIMESTONE
FORMATION AGE: MIO
REFERENCE: MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **W701008**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED DOLOMITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA

SCALE: 1:20,000

LATITUDE: 18-25-40N

LONGITUDE: 065-52-56W

COMMODITY INFORMATION

COMMODITIES: DOL

ORE MATERIAL: DOLOMITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC ORIGIN**

WORKINGS: S

GEOLOGY

HOST ROCK: CARBONATES

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00730**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA, 1982

SCALE: 1:20,000

LATITUDE: 18-23-00N

LONGITUDE: 066-53-45W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: MIGUEL A. NEGRON

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL?**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM?

HOST ROCK AGE: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD TC00731

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 07

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: CANTERA HIPODROMO'S VOLCANIC SAND WORKING

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA, 1982

SCALE: 1:20,000 GURABO, 1982

LATITUDE: 18-22-45N

LONGITUDE: 066-54-40W

COMMODITY INFORMATION

COMMODITIES: VOL

ORE MATERIAL: VOLCANIC SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: LAND DEVELOPMENT ASSOCIATES

OPERATOR: CANTERA HIPODROMO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BASALTIC TO ANDESITIC PILLOW LAVAS

HOST ROCK AGE: CRET

FORMATION NAME: FRAILES FORMATION

FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM EXTRACTION OF 500 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD TC00824

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ALLEN, M.S.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL PIT

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAROLINA, 1982

SCALE: 1:20,000 GURABO, 1982

LATITUDE: 18-22-36N

LONGITUDE: 065-57-23W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: FINCA DE COMMONWEALTH DEV. CORP.

OPERATOR: HERNAN JORGE

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM, RIVER TERRACES

HOST ROCK AGE: PLEIS-HOLO

AGE OF MINERALIZATION: PLEIS-HOLO

GEOLOGIC COMMENTS: UNIT QA. PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1977.

CAYEY QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01036

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAYEY

SCALE: 1:20,000

LATITUDE: 18-06-06N

LONGITUDE: 066-11-33W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE, ROAD METAL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: CRET
FORMATION NAME: ROBLES FORMATION - RIO MATON MEMBER
FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
REFERENCE: BERRYHILL AND GLOVER, 1960.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01037**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CAYEY

SCALE: 1:20,000

LATITUDE: 18-07-14N

LONGITUDE: 066-09-23W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: CRET

FORMATION NAME: FORMATION D - AGUAS BUENAS MEMBER

FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

REFERENCE: BERRYHILL AND GLOVER, 1960.

CENTRAL AGUIRRE QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00931**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CENTRAL AGUIRRE
SCALE: 1:20,000
LATITUDE: 17-59-02N
LONGITUDE: 066-14-27W
COMMODITY INFORMATION
COMMODITIES: STN1 LST
ORE MATERIAL: LIMESTONE AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: CRET
FORMATION NAME: COAMO FORMATION
FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
GEOLOGIC COMMENTS: UNIT KCOL.
REFERENCE: BERRYHILL, 1960.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00932**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11
AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
COUNTRY: PUERTO RICO
QUADRANGLE: CENTRAL AGUIRRE
SCALE: 1:20,000
LATITUDE: 17-58-52N
LONGITUDE: 066-14-08W
COMMODITY INFORMATION
COMMODITIES: STN1 LST
ORE MATERIAL: LIMESTONE AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: CRET
FORMATION NAME: COAMO FORMATION
FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
GEOLOGIC COMMENTS: UNIT KCOL.
REFERENCE: BERRYHILL, 1960.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00933**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CENTRAL AGUIRRE

SCALE: 1:20,000

LATITUDE: 17-58-47N

LONGITUDE: 066-14-07W

COMMODITY INFORMATION

COMMODITIES: STN1 LST

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: CRET

FORMATION NAME: COAMO FORMATION

FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

GEOLOGIC COMMENTS: UNIT KCOL.

REFERENCE: BERRYHILL, 1960.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00934**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CENTRAL AGUIRRE

SCALE: 1:20,000

LATITUDE: 17-58-02N

LONGITUDE: 066-13-53W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: SANDSTONE AND LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SANDSTONE, LIMESTONE

HOST ROCK AGE: CRET-TERT
AGE OF MINERALIZATION: CRET-TERT
REFERENCE: BERRYHILL, 1960.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00935**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED ANDESITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: CENTRAL AGUIRRE

SCALE: 1:20,000

LATITUDE: 17-59-09N

COUNTRY: PUERTO RICO

LONGITUDE: 066-11-27W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: ANDESITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **IGNEOUS**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ANDESITE

HOST ROCK AGE: CRET

AGE OF MINERALIZATION: CRET

REFERENCE: BERRYHILL, 1960.

CENTRAL LA PLATA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00774**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **GRAVERO MAYAGUEZANO SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: CENTRAL LA PLATA, 1964

SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-17-20N
 LONGITUDE: 067-02-10W
 COMMODITY INFORMATION
 COMMODITIES: SDG
 ORE MATERIAL: SAND AND GRAVEL
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? M
 STATUS: 7
 OWNER: ELA
 OPERATOR: GRAVERO MAYAGUEZANO
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: ALLUVIUM
 HOST ROCK AGE: QUAT
 PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
 DAY IS 500 CUBIC METERS.
 REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
 OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
 REFERENCE 2: MCINTYRE, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00775**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
 REPORTED: 91 06
 AFFILIATION: PRDNR
 UPDATER: KIBBE, R.D.; ORRIS, G.J.
 UPDATED: 91 08
 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO
 COUNTRY: PUERTO RICO
 QUADRANGLE: CENTRAL LA PLATA, 1964
 SCALE: 1:20,000
 LATITUDE: 18-17-00N
 LONGITUDE: 067-06-50W
 COMMODITY INFORMATION
 COMMODITIES: SDG
 ORE MATERIAL: SAND AND GRAVEL
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? M
 STATUS: 7
 OWNER: ELA
 OPERATOR: FRANCISCO LUGO LUGO
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: ALLUVIUM
 HOST ROCK AGE: QUAT
 FORMATION NAME:
 FORMATION AGE:
 AGE OF MINERALIZATION: QUAT
 PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
 DAY IS 300 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MCINTYRE, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00776**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **GRAVERO MAYAGUEZANO SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CENTRAL LA PLATA, 1964

SCALE: 1:20,000

LATITUDE: 18-17-30N

LONGITUDE: 067-02-15W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: GRAVERO MAYAGUEZANO

OPERATOR: GRAVERO MAYAGUEZANO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MCINTYRE, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00777**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CENTRAL LA PLATA, 1964

SCALE: 1:20,000

LATITUDE: 18-17-50N

LONGITUDE: 067-02-00W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN PORPHYRY

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: SIGFREDO VELEZ CARDONA

OPERATOR: SIGFREDO VELEZ CARDONA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **IGNEOUS**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: PORPHYRY

HOST ROCK AGE: TERT

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 1,000 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MCINTYRE, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00778**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 07

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CENTRAL LA PLATA, 1964

SCALE: 1:20,000

LATITUDE: 18-17-00N

LONGITUDE: 067-05-50W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: RIO GRANDE DE ANASCO

OPERATOR: AGUSTIN CARBO DOMENECH

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: QUAT

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 300 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MCINTYRE, 1971.

CIALES QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00763

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CIALES, 1982

SCALE: 1:20,000

LATITUDE: 18-20-00N

LONGITUDE: 066-27-40W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: EMPRESAS CODEL, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL?**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD TC00764

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 90 08 AFFILIATION: USGS
UPDATER: KIBBE, R.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: CIALES

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CIALES, 1982

SCALE: 1:20,000

LATITUDE: 18-22-00N

LONGITUDE: 066-28-25W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: DAVID DIAZ ARACHO

OPERATOR: DOMINDO RODRIGUEZ OTERO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 250 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00817**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: CIALES, 1982

SCALE: 1:20,000

LATITUDE: 18-20-25N

LONGITUDE: 066-27-40W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: JOSE JUAN ALVAREZ

OPERATOR: JOSE JUAN ALVAREZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL?**

WORKINGS: SURFACE

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 300 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

COAMO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **W701158**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEIN**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: COAMO

SCALE: 1:20,000

LATITUDE: 18-04-45N

LONGITUDE: 066-22-24W

COMMODITY INFORMATION

COMMODITIES: BA

ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT
PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

WORKINGS:

GEOLOGY

HOST ROCK: VERY THICK BEDDED TUFF, TUFF BRECCIA, OR CONGLOMERATE

HOST ROCK AGE: LCRET

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01072**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: COAMO

SCALE: 1:20,000

LATITUDE: 18-02-39N

LONGITUDE: 066-21-38W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN TUFF

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC TUFF**
WORKINGS: SURFACE
GEOLOGY

HOST ROCK: TUFF-BRECCIA, TUFFACEOUS CONGLOMERATE, LAPILLI TUFF
HOST ROCK AGE: CRET
FORMATION NAME: COAMO FORMATION FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
REFERENCE: GLOVER, 1961A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01073**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: COAMO
SCALE: 1:20,000

LATITUDE: 18-00-50N LONGITUDE: 066-19-56W

COMMODITY INFORMATION

COMMODITIES: STN1 STN2
ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY

HOST ROCK: LIMESTONE
HOST ROCK AGE: TERT (?)
FORMATION NAME: CUEVAS LIMESTONE FORMATION AGE: TERT (?)
AGE OF MINERALIZATION: TERT (?)
REFERENCE: GLOVER, 1961A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01074**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: COAMO
SCALE: 1:20,000

LATITUDE: 18-02-27N	LONGITUDE: 066-21-38W
COMMODITY INFORMATION	
COMMODITIES: STN1	
ORE MATERIAL: CRUSHED/BROKEN TUFF	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 6
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: VOLCANIC, TUFF	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: TUFF-BRECCIA, TUFFACEOUS	CONGLOMERATE, LAPILLI TUFF
HOST ROCK AGE: CRET	
FORMATION NAME: COAMO FORMATION	FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET	
REFERENCE: GLOVER, 1961A.	

COMERIO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **W701111**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **CERRO LA TIZA**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: COMERIO

SCALE: 1:20,000

LATITUDE: 18-14-35N

LONGITUDE: 066-11-00W

COMMODITY INFORMATION

COMMODITIES: CLY3 PYF

ORE MATERIAL: KAOLIN, PYROPHYLLITE

EXPLORATION AND DEVELOPMENT

PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

WORKINGS:

GEOLOGY

HOST ROCK: VERY THICK BEDDED TUFF, TUFF BRECCIA, OR CONGLOMERATE

HOST ROCK AGE: ECRET

ALTERATION: ARGILLIC OR PROPYLITIC

GANGUE MINERALS: ALUNITE, QUARTZ

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01038**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: COMERIO

SCALE: 1:20,000

LATITUDE: 18-08-59N

LONGITUDE: 066-14-47W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SANDSTONE, SILTSTONE, AND TUFF

HOST ROCK AGE: CRET

FORMATION NAME: ROBLES FORMATION

FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

REFERENCE: PEASE AND BRIGGS, 1960.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01039**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: COMERIO

SCALE: 1:20,000

LATITUDE: 18-12-27N

LONGITUDE: 066-08-17W

COMMODITY INFORMATION

COMMODITIES: STN1 STN2

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: CRET

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: CRET

FORMATION NAME: AGUAS BUENAS LIMESTONE FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

REFERENCE: PEASE AND BRIGGS, 1960.

MINERAL RESOURCES DATA SYSTEM RECORD TC01042

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: COMERIO

SCALE: 1:20,000

LATITUDE: 18-07-40N

LONGITUDE: 066-09-55W

COMMODITY INFORMATION

COMMODITIES: STN1 STN2

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: CRET

FORMATION NAME: AGUAS BUENAS LIMESTONE FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

REFERENCE: PEASE AND BRIGGS, 1960.

COROZAL QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00945

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED BENTONITE OCCURRENCE

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: COROZAL

SCALE: 1:20,000

LATITUDE: 18-20-32N

LONGITUDE: 066-19-20W

COMMODITY INFORMATION

COMMODITIES: CLY1

ORE MATERIAL: BENTONITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? N

STATUS: 1

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: GREEN TUFFS, VOLCANIC SANDSTONE AND SILTSTONE

HOST ROCK AGE: PALEO-EO

FORMATION NAME: ORTIZ FORMATION

FORMATION AGE: PALEO-EO

ASSOCIATED IGNEOUS ROCKS: GREEN TUFFS, VOLCANIC SANDSTONE AND SILTSTONE

IGNEOUS ROCK AGE: PALEO-EO

REFERENCE: NELSON, 1967A.

FAJARDO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01111

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO

SCALE: 1:20,000

LATITUDE: 18-22-40N

LONGITUDE: 065-45-00W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA, TUFFACEOUS BRECCIA

HOST ROCK AGE: CRET

FORMATION NAME: HATO PUERCO FORMATION

FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KHP. QUARRY PLOTS IN THE BRECCIA MEMBER OF
THE HATO PUERCO FORMATION.
REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01112**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO

SCALE: 1:20,000

LATITUDE: 18-22-17N

LONGITUDE: 065-42-49W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BEDDED TUFF AND BRECCIA

HOST ROCK AGE: CRET

FORMATION NAME: TABONUCO FORMATION FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KT.

REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01113**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO

SCALE: 1:20,000

LATITUDE: 18-20-48N

LONGITUDE: 065-40-21W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BEDDED TUFF AND BRECCIA

HOST ROCK AGE: CRET

FORMATION NAME: TABONUCO FORMATION FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KT.

REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01114**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO

SCALE: 1:20,000

LATITUDE: 18-21-31N

LONGITUDE: 065-38-35W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BEDDED TUFF AND BRECCIA

HOST ROCK AGE: CRET

FORMATION NAME: TABONUCO FORMATION FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KT.

REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01115**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO

SCALE: 1:20,000

LATITUDE: 18-21-07N LONGITUDE: 065-38-21W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: BEDDED TUFF AND BRECCIA
HOST ROCK AGE: CRET
FORMATION NAME: TABONUCO FORMATION FORMATION AGE: CRET
GEOLOGIC COMMENTS: UNIT KT.
REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01116**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: FAJARDO
SCALE: 1:20,000
LATITUDE: 18-20-16N LONGITUDE: 065-38-29W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: BEDDED TUFF AND BRECCIA
HOST ROCK AGE: CRET
FORMATION NAME: TABONUCO FORMATION FORMATION AGE: CRET
GEOLOGIC COMMENTS: UNIT KT.
REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01117**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO

SCALE: 1:20,000

LATITUDE: 18-18-07N

LONGITUDE: 065-37-41W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN ANDESITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ANDESITE

HOST ROCK AGE: LCRET

FORMATION NAME: FIGUERA LAVA

FORMATION AGE: LCRET

GEOLOGIC COMMENTS: UNIT KFL.

REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01118**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO

SCALE: 1:20,000

LATITUDE: 18-22-06N

LONGITUDE: 065-41-11W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFFACEOUS SILTSTONE AND SANDSTONE

HOST ROCK AGE: CRET

FORMATION NAME: FAJARDO FORMATION

FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KFSU.

REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01119**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO

SCALE: 1:20,000

LATITUDE: 18-22-23N

LONGITUDE: 065-42-30W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BEACH SAND

HOST ROCK AGE: HOLO

REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01120**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO

SCALE: 1:20,000

LATITUDE: 18-21-49N

LONGITUDE: 065-40-06W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BEACH SAND

HOST ROCK AGE: HOLO

GEOLOGIC COMMENTS: UNIT QB.

REFERENCE: BRIGGS AND AGUILAR-CORTES, 1980.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00701**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **METROPOLIS QUARRY INC.'S AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FAJARDO, 1982

SCALE: 1:20,000

LATITUDE: 18-21-50N

LONGITUDE: 065-42-30W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: METROPOLIS QUARRY, INC.

OPERATOR: METROPOLIS QUARRY, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFF, BRECCIA

HOST ROCK AGE: ECRET

FORMATION NAME: TABONUCO FORMATION FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KT.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: BRIGGS AND AGUILAR-CORTES, 1980.

FLORIDA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **W701017**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEIN**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FLORIDA

SCALE: 1:20,000

LATITUDE: 18-18-35N

LONGITUDE: 066-31-22W

COMMODITY INFORMATION

COMMODITIES: BA

ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT

PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: LAVA OR LAVA BRECCIA

HOST ROCK AGE: LCRET

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701018**

REPORTER: PAIDAKOVICH, MATT

REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEIN**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FLORIDA

SCALE: 1:20,000

LATITUDE: 18-18-20N

LONGITUDE: 066-30-28W

COMMODITY INFORMATION

COMMODITIES: BA

ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT

PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: LAVA OR LAVA BRECCIA

HOST ROCK AGE: LCRET

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701019**

REPORTER: PAIDAKOVICH, MATT

REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEIN**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: FLORIDA
SCALE: 1:20,000
LATITUDE: 18-18-06N
COMMODITY INFORMATION
COMMODITIES: BA
ORE MATERIAL: BARITE
EXPLORATION AND DEVELOPMENT
PRODUCTION?
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **VEINS OR SHEAR ZONES**
DEPOSIT SIZE: S
GEOLOGY
HOST ROCK: LAVA OR LAVA BRECCIA
HOST ROCK AGE: LCRET
REFERENCE: COX AND BRIGGS, 1973.

LONGITUDE: 066-31-30W

STATUS:

GUANICA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **W701170**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED GYPSUM QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: GUANICA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 17-59-43N

LONGITUDE: 066-55-22W

COMMODITY INFORMATION

COMMODITIES: GYP
ORE MATERIAL: GYPSUM

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC ORIGIN**

DEPOSIT SIZE: SURFACE

WORKINGS: S

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701171**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEIN**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GUANICA

SCALE: 1:20,000

LATITUDE: 17-58-43N

LONGITUDE: 066-56-12W

COMMODITY INFORMATION

COMMODITIES: BA

ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: LAVA OR LAVA BRECCIA

HOST ROCK AGE: LCRET

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00792**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GUANICA, 1966

SCALE: 1:20,000

LATITUDE: 17-58-20N

LONGITUDE: 066-53-10W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: PRODUCTOS DE AGREGADOS DE GURABO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL?**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

GUAYAMA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01034

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GUAYAMA

SCALE: 1:20,000

LATITUDE: 17-58-56N

LONGITUDE: 066-05-48W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: DACITE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: STOCK, IGNEOUS

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: PORPHYRITIC QUARTZ DACITE

HOST ROCK AGE: CRET

GEOLOGIC COMMENTS: UNIT KQP.

REFERENCE: GLOVER, 1982.

MINERAL RESOURCES DATA SYSTEM RECORD TC01035

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GUAYAMA

SCALE: 1:20,000

LATITUDE: 17-59-06N

LONGITUDE: 066-05-20W

COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: DACITE AGGREGATE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **STOCK, IGNEOUS**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: PORPHYRITIC QUARTZ DACITE
 HOST ROCK AGE: CRET
 GEOLOGIC COMMENTS: UNIT KQP.
 REFERENCE: GLOVER, 1982.

GURABO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01098**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)
 REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO COUNTRY: PUERTO RICO
 QUADRANGLE: GURABO
 SCALE: 1:20,000
 LATITUDE: 18-21-29N LONGITUDE: 065-59-59W
 COMMODITY INFORMATION
 COMMODITIES: SDG
 ORE MATERIAL: SAND AND GRAVEL
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT
 HOST ROCK AGE: QUAT
 REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01099**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GURABO

SCALE: 1:20,000

LATITUDE: 18-21-37N

LONGITUDE: 065-59-51W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT

HOST ROCK AGE: QUAT

REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01100**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GURABO

SCALE: 1:20,000

LATITUDE: 18-21-34N

LONGITUDE: 065-59-39W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT

HOST ROCK AGE: QUAT

REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01101**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: GURABO

SCALE: 1:20,000

LATITUDE: 18-21-42N

LONGITUDE: 065-58-54W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT

HOST ROCK AGE: QUAT

REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01102**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: GURABO

SCALE: 1:20,000

LATITUDE: 18-22-26N

LONGITUDE: 065-57-52W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT

HOST ROCK AGE: QUAT

REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01103**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GURABO

SCALE: 1:20,000

LATITUDE: 18-22-23N

LONGITUDE: 065-57-15W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT

HOST ROCK AGE: QUAT

REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01104**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GURABO

SCALE: 1:20,000

LATITUDE: 18-21-50N

LONGITUDE: 065-58-54W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BASALTIC VOLCANIC SANDSTONE

HOST ROCK AGE: LCRET

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ANDESITIC TO BASALTIC CALCAREOUS VOLCANIC SANDSTONE

HOST ROCK AGE: LCRET

FORMATION NAME: BARRAZAS FORMATION FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01108**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GURABO

SCALE: 1:20,000

LATITUDE: 18-21-36N

LONGITUDE: 065-59-58W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT

HOST ROCK AGE: QUAT

REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01109**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: GURABO

SCALE: 1:20,000

LATITUDE: 18-21-42N

LONGITUDE: 065-59-29W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT
HOST ROCK AGE: QUAT
REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01110**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: GURABO

SCALE: 1:20,000

LATITUDE: 18-21-51N

LONGITUDE: 065-58-38W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT
HOST ROCK AGE: QUAT
REFERENCE: SEIDERS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00741**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; PAGE, N.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: GURABO, 1982
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-21-27N

LONGITUDE: 065-57-05W

COMMODITY INFORMATION

COMMODITIES: STN1?
ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L
OWNER: XAVIER ZEQUEIRA INC.
OPERATOR: PUERTO RICO AGGREGATES

STATUS: 7

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA OF ANDESITIC TO BASALTIC COMPOSITION

HOST ROCK AGE: LCRET

FORMATION NAME: HATO PUERCO FORMATION FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

GEOLOGIC COMMENTS: THIS QUARRY LIES IN THE BRECCIA MEMBER OF THE HATO
PUERCO FORMATION. PRODUCTION COMMENTS: MAXIMUM AMOUNT OF

PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: SEIDERS, 1971.

HUMACAO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD W701124

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEIN**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: HUMACAO
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-13-59N

LONGITUDE: 065-51-34W

COMMODITY INFORMATION

COMMODITIES: BA
ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT

PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**
DEPOSIT SIZE: S

GEOLOGY

ALTERATION: QUARTZ-SERICITE
GANGUE MINERALS: ALUNITE, PYROPHYLLITE
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01156**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J, AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED GRANODIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: HUMACAO

SCALE: 1:20,000

LATITUDE: 18-09-47N

LONGITUDE: 065-50-51W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN GRANODIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **IGNEOUS INTRUSION**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: HORNBLende-BIOTITE GRANODIORITE

HOST ROCK AGE: LCRET

FORMATION NAME: SAN LORENZO GRANODIORITE FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: M'GONIGLE, 1978.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01157**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J, AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: HUMACAO

SCALE: 1:20,000

LATITUDE: 18-09-12N

LONGITUDE: 065-46-22W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **VOLCANICLASTIC**
WORKINGS: SURFACE
GEOLOGY

STATUS: 6

HOST ROCK: TUFF, VOLCANIC SANDSTONE, VOLCANIC BRECCIA
HOST ROCK AGE: E?CRET
FORMATION NAME: RIO ABAJO
AGE OF MINERALIZATION: E?CRET
REFERENCE: M'GONIGLE, 1978.

FORMATION AGE: E?CRET

MINERAL RESOURCES DATA SYSTEM RECORD **TC01158**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J, AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: HUMACAO

SCALE: 1:20,000

LATITUDE: 18-09-12N

LONGITUDE: 065-46-39W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFF, VOLCANIC SANDSTONE, VOLCANIC BRECCIA

HOST ROCK AGE: E?CRET

FORMATION NAME: RIO ABAJO

FORMATION AGE: E?CRET

AGE OF MINERALIZATION: E?CRET

REFERENCE: M'GONIGLE, 1978.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01159**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J, AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: HUMACAO

SCALE: 1:20,000

LATITUDE: 18-09-02N

LONGITUDE: 065-47-00W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFF, VOLCANIC SANDSTONE, VOLCANIC BRECCIA

HOST ROCK AGE: E?CRET

FORMATION NAME: RIO ABAJO

FORMATION AGE: E?CRET

AGE OF MINERALIZATION: E?CRET

REFERENCE: M'GONIGLE, 1978.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01160**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J, AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: HUMACAO

SCALE: 1:20,000

LATITUDE: 18-09-05N

LONGITUDE: 065-47-16W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFF, VOLCANIC SANDSTONE, VOLCANIC BRECCIA

HOST ROCK AGE: E?CRET

FORMATION NAME: RIO ABAJO

FORMATION AGE: E?CRET

AGE OF MINERALIZATION: E?CRET

REFERENCE: M'GONIGLE, 1978.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01161**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J, AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: HUMACAO

SCALE: 1:20,000

LATITUDE: 18-08-47N

LONGITUDE: 065-48-24W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFF, VOLCANIC SANDSTONE, VOLCANIC BRECCIA

HOST ROCK AGE: E?CRET

FORMATION NAME: RIO ABAJO

FORMATION AGE: E?CRET

AGE OF MINERALIZATION: E?CRET

REFERENCE: M'GONIGLE, 1978.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01162**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J, AND PIERCE,
HERBERT A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: HUMACAO

SCALE: 1:20,000

LATITUDE: 18-10-29N

LONGITUDE: 065-48-48W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFF, VOLCANIC SANDSTONE, VOLCANIC BRECCIA

HOST ROCK AGE: E?CRET

FORMATION NAME: RIO ABAJO
AGE OF MINERALIZATION: E?CRET
REFERENCE: M'GONIGLE, 1978.

FORMATION AGE: E?CRET

MINERAL RESOURCES DATA SYSTEM RECORD **TC00766**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED GRANODIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: HUMACAO, 1967
SCALE: 1:20,000
LATITUDE: 18-09-40N LONGITUDE: 065-52-10W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN GRANODIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? M STATUS: 7
OWNER: ELA
OPERATOR: FRANCISCO STGO. FIGUEROA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **IGNEOUS**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: GRANODIORITE
HOST ROCK AGE: CRET

FORMATION NAME: SAN LORENZO GRANODIORITE FORMATION AGE: LCRET

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 300 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: M'GONIGLE, 1978.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00767**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: HUMACAO, 1967

COUNTRY: PUERTO RICO

SCALE: 1:20,000
LATITUDE: 18-12-50N

LONGITUDE: 065-50-25W

COMMODITY INFORMATION

COMMODITIES: VOL STN1
ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? M
OWNER: JUAN HERNANDEZ VALLEJO
OPERATOR: JUAN HERNANDEZ VALLEJO

STATUS: 7

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LAVA, BRECCIA, TUFF

HOST ROCK AGE: ECRET

FORMATION NAME: PITAHAYA FORMATION FORMATION AGE: ECRET

AGE OF MINERALIZATION: ECRET

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.

REFERENCE: M'GONIGLE, 1978.

REFERENCE 2: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00820**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D., AND PAGE, N.J
UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **CANTERA PEREZ INC.'S STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: HUMACAO, 1967

COUNTRY: PUERTO RICO

SCALE: 1:20,000
LATITUDE: 18-09-45N

LONGITUDE: 065-50-30W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN GRANODIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L
OWNER: CANTERA PEREZ, INC.
OPERATOR: CANTERA PEREZ, INC.

STATUS: 7

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **IGNEOUS**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: HORNBLENDE-BIOTITE GRANODIORITE

HOST ROCK AGE: LCRET

FORMATION NAME: SAN LORENZO GRANODIORITE FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 1000 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: M'GONIGLE, 1978.

ISABELA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00780**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISABELA, 1960

SCALE: 1:20,000

LATITUDE: 18-30-30N

LONGITUDE: 067-04-45W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: HERMANOS ESTEVEZ

OPERATOR: LUIS A. FORESTIER

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEACH OR EOLIAN SAND**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SAND

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 200 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1969B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00781**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISABELA, 1960

SCALE: 1:20,000

LATITUDE: 18-30-50N

LONGITUDE: 067-02-35W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: ELIAS NUJUL BEZ, ROLAND CORDERO Y SUCN. ABREU

OPERATOR: ROLAND CORDERO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, EOLIAN SAND**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SAND

HOST ROCK AGE: QUAT

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 500 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1969B.

ISLA DESECHEO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **W701184**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED PHOSPHATE OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA DESECHEO

SCALE: 1:20,000

LATITUDE: 18-23-14N

LONGITUDE: 067-29-11W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? U STATUS:
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**
DEPOSIT SIZE: S
GEOLOGY
HOST ROCK: CARBONATES
REFERENCE: COX AND BRIGGS, 1973.

ISLA MONA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01223**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **CUEVA DE LAS LOSETAS**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-05-36N

LONGITUDE: 067-50-40W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

UNKNOWN28: RESERVES SCATTERED AMONG THE APPROXIMATE 27 CAVES ON
THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01224**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA AL LADO DEL FARO**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-05-14N

LONGITUDE: 067-50-41W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

UNKNOWN28: RESERVES SCATTERED AMONG THE APPROXIMATE 27 CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01225**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DEL LIRIO**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-05-04N

LONGITUDE: 067-51-01W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: LIRIO LIMESTONE FORMATION AGE: MIO
AGE OF MINERALIZATION: QUAT
PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.
UNKNOWN28: RESERVES SCATTERED AMONG THE APPROXIMATE 27 CAVES ON
THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.
REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD TC01226

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: CUEVA DEL BASURERO

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-04-59N

LONGITUDE: 067-51-02W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

UNKNOWN28: RESERVES SCATTERED AMONG THE APPROXIMATE 27 CAVES ON
THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD TC01227

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: CUEVA DE LOS PAJAROS

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-04-04N

COUNTRY: PUERTO RICO

LONGITUDE: 067-51-02W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

UNKNOWN28: RESERVES SCATTERED AMONG THE APPROXIMATE 27 CAVES ON

THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01228**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DE LA CASA DE ERICKSON**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-03-52N

COUNTRY: PUERTO RICO

LONGITUDE: 067-52-06W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.
REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01229**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **CUEVA DE LA PLAYA BRAVA**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-03-32N

LONGITUDE: 067-52-33W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01230**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **CUEVA CAIGO O NO CAIGO**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-03-20N

LONGITUDE: 067-53-32W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01231**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DE DOÑA GEÑA ARRIBA**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-03-43N

LONGITUDE: 067-54-12W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

UNKNOWN28: RESERVES SCATTERED AMONG THE APPROXIMATE 27 CAVES ON
THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01232**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DEL LIMON**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-03-50N

LONGITUDE: 067-54-21W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

UNKNOWN28: RESERVES SCATTERED AMONG THE APPROXIMATE 27 CAVES ON
THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01233**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DEL MANGLE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-04-58N

LONGITUDE: 067-56-19W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD TC01234

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: CUEVA NEGRA

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-05-15N

LONGITUDE: 067-56-22W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THIS APPROXIMATE
27 CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD TC01235

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: CUEVA DE LA CUCARACHA

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-05-22N

LONGITUDE: 067-56-19W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THIS APPROXIMATE

27 CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01236**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DEL DIAMANTE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-05-47N

LONGITUDE: 067-56-14W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.
REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01237**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DEL ESQUELITO**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-06-00N

LONGITUDE: 067-56-10W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01238**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DEL CAPITAN**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-06-20N

LONGITUDE: 067-56-06W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01239**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DE LA ESPERANZA**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-06-46N

LONGITUDE: 067-56-05W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01240**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA EL GATO**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-06-53N

LONGITUDE: 067-55-54W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01241**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DE ESPINAL**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-07-03N

LONGITUDE: 067-55-18W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD TC01242

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: CUEVA DEL RIFLE

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-06-50N

LONGITUDE: 067-53-13W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD TC01243

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: CUEVA DEL TORO

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-06-57N

LONGITUDE: 067-52-43W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01244**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **CUEVA DEL NORTE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-07-17N

LONGITUDE: 067-51-35W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27
CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.
REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01245**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **CUEVA DE FRIO**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-06-48N

LONGITUDE: 067-51-04W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BIOGENIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CAVERNOUS LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: LIRIO LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: COMPOSITE PRODUCTION FROM THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 100,000 CUBIC M.

RESERVE COMMENTS: RESERVES SCATTERED AMONG THE APPROXIMATE 27

CAVES ON THE ISLAND IS ON THE ORDER OF 50,000 CUBIC M.

REFERENCE: BRIGGS AND SEIDERS, 1972.

MINERAL RESOURCES DATA SYSTEM RECORD **W701173**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01 AFFILIATION: USGS

SITE NAME: **UNNAMED DOLOMITE OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-07-00N

LONGITUDE: 067-54-02W

COMMODITY INFORMATION

COMMODITIES: DOL

ORE MATERIAL: DOLOMITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC ORIGIN**

GEOLOGY

HOST ROCK: CARBONATES

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701174**

REPORTER: PAIDAKOVICH, MATT

REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED PHOSPHATE OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-06-36N

LONGITUDE: 067-56-05W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC ORIGIN**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: CARBONATES

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701175**

REPORTER: PAIDAKOVICH, MATT

REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED DOLOMITE OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-06-10N LONGITUDE: 067-56-08W
COMMODITY INFORMATION
COMMODITIES: DOL
ORE MATERIAL: DOLOMITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? U STATUS:
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**
GEOLOGY
HOST ROCK: CARBONATES
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701176**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01 AFFILIATION: USGS
SITE NAME: **UNNAMED PHOSPHATE OCCURRENCE**
COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: ISLA MONA
SCALE: 1:20,000
LATITUDE: 18-05-41N LONGITUDE: 067-56-13W
COMMODITY INFORMATION
COMMODITIES: P
ORE MATERIAL: PHOSPHORITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? U STATUS:
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**
DEPOSIT SIZE: S
GEOLOGY
HOST ROCK: CARBONATES
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701177**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01 AFFILIATION: USGS
SITE NAME: **UNNAMED DOLOMITE OCCURRENCE**
COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA
SCALE: 1:20,000
LATITUDE: 18-06-39N
LONGITUDE: 067-51-00W
COMMODITY INFORMATION
COMMODITIES: DOL
ORE MATERIAL: DOLOMITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? U
STATUS:
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**
GEOLOGY
HOST ROCK: CARBONATES
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701178**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01
AFFILIATION: USGS
SITE NAME: **UNNAMED DOLOMITE OCCURRENCE**
COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
COUNTRY: PUERTO RICO
QUADRANGLE: ISLA MONA
SCALE: 1:20,000
LATITUDE: 18-05-22N
LONGITUDE: 067-54-00W
COMMODITY INFORMATION
COMMODITIES: DOL
ORE MATERIAL: DOLOMITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? U
STATUS:
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**
GEOLOGY
HOST ROCK: CARBONATES
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701179**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01
AFFILIATION: USGS
SITE NAME: **UNNAMED PHOSPHATE OCCURRENCE**
COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA
SCALE: 1:20,000
LATITUDE: 18-05-23N
LONGITUDE: 067-50-47W
COMMODITY INFORMATION
COMMODITIES: P
ORE MATERIAL: PHOSPHORITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? U
STATUS:
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**
DEPOSIT SIZE: S
GEOLOGY
HOST ROCK: CARBONATES
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD W701180

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: UNNAMED DOLOMITE OCCURRENCE

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: ISLA MONA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-05-05N

LONGITUDE: 067-50-58W

COMMODITY INFORMATION

COMMODITIES: DOL
ORE MATERIAL: DOLOMITE

EXPLORATION AND DEVELOPMENT

PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**

GEOLOGY

HOST ROCK: CARBONATES

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD W701181

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: CUEVA DE PAJAROS

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: ISLA MONA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-04-10N

LONGITUDE: 067-51-56W

COMMODITY INFORMATION

COMMODITIES: P
ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: CARBONATES

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701182**

REPORTER: PAIDAKOVICH, MATT

REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED PHOSPHATE OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: ISLA MONA
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-03-32N

LONGITUDE: 067-52-42W

COMMODITY INFORMATION

COMMODITIES: P
ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: CARBONATES

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701183**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED DOLOMITE OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLA MONA

SCALE: 1:20,000

LATITUDE: 18-03-21N

LONGITUDE: 067-53-55W

COMMODITY INFORMATION

COMMODITIES: DOL

ORE MATERIAL: DOLOMITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC ORIGIN**

GEOLOGY

HOST ROCK: CARBONATES

REFERENCE: COX AND BRIGGS, 1973.

ISLAND OF VIEQUES QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00700**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 07

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ISLAND OF VIEQUES

SCALE: 1:30,000

LATITUDE: 18-07-30N

LONGITUDE: 065-30-00W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: ADM. DETERRENOS

OPERATOR: MARIO H. ROMAN

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 200 CUBIC METERS PER DAY.
REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

JUNCOS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01121

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: UNIDENTIFIED STONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: JUNCOS

SCALE: 1:20,000

LATITUDE: 18-14-00N

LONGITUDE: 065-53-54W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: VOLCANIC

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: UNDIFFERENTIATED ANDESITIC VOLCANIC ROCKS

HOST ROCK AGE: CRET

AGE OF MINERALIZATION: CRET

REFERENCE: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD TC01122

REPORTER: CARBONARO, MARGUERITE M. (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: UNIDENTIFIED STONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: JUNCOS

SCALE: 1:20,000

LATITUDE: 18-14-49N

LONGITUDE: 065-58-30W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: UNDIFFERENTIATED ANDESITIC VOLCANIC ROCKS,
SANDSTONES, VOLCANIC BRECCIA

HOST ROCK AGE: CRET

AGE OF MINERALIZATION: CRET

REFERENCE: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00732**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 07

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; CARBONARO, M.M.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: JUNCOS, 1982

SCALE: 1:20,000

LATITUDE: 18-13-15N

LONGITUDE: 065-55-30W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: HECTOR R. LOPEZ GARCIA

OPERATOR: HECTOR R. LOPEZ GARCIA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: GRANODIORITE (?)

HOST ROCK AGE: CRET (?), TERT (?)

GANGUE MINERALS: PLAGIOCLASE, QUARTZ, ORTHOCLASE, HORNBLLENDE,
BIOTITE

GEOLOGIC COMMENTS: QUARRY PLOTS IN IGNEOUS UNIT TKGD. THE HOST ROCK
GRANODIORITE IS DESCRIBED AS A LIGHT-MEDIUM GRAY, MEDIUM-GRAINED
ROCK; PLAGIOCLASE, QUARTZ, AND ORTHOCLASE PREDOMINATE;
HORNBLLENDE AND BIOTITE COMMON; LOCALLY GRADES INTO QUARTZ
DIORITE. PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR
MAXIMUM EXTRACTION OF 300 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD TC00733

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: JUNCOS, 1982

SCALE: 1:20,000

LATITUDE: 18-10-45N

LONGITUDE: 065-53-25W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: CARLOS R. GARCIA PEREZ

OPERATOR: CARLOS R. GARCIA PEREZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: UNKNOWN

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: GRANODIORITE (?)

HOST ROCK AGE: CRET (?), TERT (?)

GANGUE MINERALS: PLAGIOCLASE, QUARTZ, ORTHOCLASE, HORNBLLENDE, BIOTITE

GEOLOGIC COMMENTS: QUARRY PLOTS IN IGNEOUS UNIT TKGD. THE HOST ROCK GRANODIORITE IS DESCRIBED AS A LIGHT-MEDIUM GRAY, MEDIUM-GRAINED ROCK; PLAGIOCLASE, QUARTZ, AND ORTHOCLASE PREDOMINATE; HORNBLLENDE AND BIOTITE COMMON; LOCALLY GRADES INTO QUARTZ DIORITE. PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM EXTRACTION OF 100 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00734**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **RAFEAL COLON HOMES, INC.'S AGGREGATE WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: JUNCOS, 1982
SCALE: 1:20,000
LATITUDE: 18-11-45N LONGITUDE: 065-56-45W

COMMODITY INFORMATION

COMMODITIES: STN1 VOL?
ORE MATERIAL: VOLCANIC? AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 7
OWNER: RAFAEL COLON HOMES, INC.
OPERATOR: RAFAEL COLON HOMES, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **IGNEOUS**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: GRANODIORITE
HOST ROCK AGE: CRET, TERT

GANGUE MINERALS: PLAGIOCLASE, QUARTZ, ORTHOCLASE, HORNBLende, BIOTITE

GEOLOGIC COMMENTS: UNIT TKGD. THE HOST ROCK GRANODIORITE IS DESCRIBED AS A LIGHT-MEDIUM GRAY, MEDIUM-GRAINED ROCK; PLAGIOCLASE, QUARTZ, AND ORTHOCLASE PREDOMINATE; HORNBLende AND BIOTITE COMMON; LOCALLY GRADES INTO QUARTZ DIORITE. PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM EXTRACTION OF 160 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00735**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: JUNCOS, 1982
SCALE: 1:20,000

LATITUDE: 18-10-30N
 LONGITUDE: 065-58-00W
 COMMODITY INFORMATION
 COMMODITIES: SDG
 ORE MATERIAL: SAND AND GRAVEL
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 STATUS: 7
 OWNER: ELA
 OPERATOR: SAN LORENZO SAND & GRAVEL CO.
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: ALLUVIUM
 HOST ROCK AGE: MID QUAT
 AGE OF MINERALIZATION: MID QUAT
 GEOLOGIC COMMENTS: UNIT QAL. PRODUCTION COMMENTS: THE MINING PERMIT
 ALLOWS FOR MAXIMUM EXTRACTION OF 300 CUBIC METERS PER DAY.
 REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
 OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
 REFERENCE 2: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD TC00736

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
 REPORTED: 91 05
 AFFILIATION: PRDNR
 UPDATER: KIBBE, R.D.; CARBONARO, M.M.
 UPDATED: 91 08
 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL WORKINGS

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO
 COUNTRY: PUERTO RICO
 QUADRANGLE: JUNCOS, 1982
 SCALE: 1:20,000
 LATITUDE: 18-12-30N
 LONGITUDE: 065-56-15W
 COMMODITY INFORMATION
 COMMODITIES: SDG
 ORE MATERIAL: SAND AND GRAVEL
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? L
 STATUS: 7
 OWNER: JUNCOS MODERNOS INC.
 OPERATOR: J. F. ASOCIADOS
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **UNKNOWN**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: GRANODIORITE (?)
 HOST ROCK AGE: CRET (?), TERT (?)
 FORMATION NAME:
 FORMATION AGE:
 GANGUE MINERALS: PLAGIOCLASE, QUARTZ, ORTHOCLASE, HORNBLende,
 BIOTITE

GEOLOGIC COMMENTS: WORKING PLOTS IN IGNEOUS UNIT TKGD. THE HOST ROCK GRANODIORITE IS DESCRIBED AS A LIGHT-MEDIUM GRAY, MEDIUM-GRAINED ROCK; PLAGIOCLASE, QUARTZ, AND ORTHOCLASE PREDOMINATE; HORNBLLENDE AND BIOTITE COMMON; LOCALLY GRADES INTO QUARTZ DIORITE. PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD TC00737

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 06

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; CARBONARO, M.M.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: JUNCOS, 1982

SCALE: 1:20,000

LATITUDE: 18-09-45N

LONGITUDE: 065-58-00W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: LUIS R. COSS RIVERA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: ALLUVIAL, SEDIMENTARY

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: MID QUAT

AGE OF MINERALIZATION: MID QUAT

GEOLOGIC COMMENTS: UNIT QAL. PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 100 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00738**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 06 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **LAS PIEDRAS CONSTRUCTION'S AGGREGATE WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: JUNCOS, 1982

SCALE: 1:20,000

LATITUDE: 18-14-00N

LONGITUDE: 065-54-30W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: LAS PIEDRAS CONSTRUCTION

OPERATOR: LAS PIEDRAS CONSTRUCTION

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC ROCKS

HOST ROCK AGE: CRET (?)

GEOLOGIC COMMENTS: UNIT KV. PRODUCTION COMMENTS: MAXIMUM AMOUNT
OF PRODUCTION PERMITTED PER DAY IS 3000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00739**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **SAN LORENZO SAND AND GRAVEL'S QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: JUNCOS, 1982

SCALE: 1:20,000

LATITUDE: 18-10-20N

LONGITUDE: 065-58-15W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: SAN LORENZO SAND AND GRAVEL
 OPERATOR: SAN LORENZO SAND AND GRAVEL
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **UNKNOWN**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: GRANODIORITE (?)
 HOST ROCK AGE: CRET (?), TERT (?)
 GANGUE MINERALS: PLAGIOCLASE, QUARTZ, ORTHOCLASE, HORNBLende, BIOTITE
 GEOLOGIC COMMENTS: QUARRY PLOTS IN IGNEOUS UNIT TKGD. THE HOST ROCK GRANODIORITE IS DESCRIBED AS A LIGHT-MEDIUM GRAY, MEDIUM-GRAINED ROCK; PLAGIOCLASE, QUARTZ, AND ORTHOCLASE PREDOMINATE; HORNBLende AND BIOTITE COMMON; LOCALLY GRADES INTO QUARTZ DIORITE.
 PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1200 CUBIC METERS.
 REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
 REFERENCE 2: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00740**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
 REPORTED: 91 05 AFFILIATION: PRDNR
 UPDATER: KIBBE, R.D.; CARONARO, M.M.
 UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: JUNCOS, 1982

SCALE: 1:20,000

LATITUDE: 18-08-45N

LONGITUDE: 065-58-30W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: EXPEDITO TORRES HERNANDEZ

OPERATOR: CARLOS BURGOS

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: MID QUAT

AGE OF MINERALIZATION: MID QUAT

GEOLOGIC COMMENTS: UNIT QAL.
 PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: BROEDAL, 1961.

MINERAL RESOURCES DATA SYSTEM RECORD TC00821

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 06 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: JUNCOS, 1982
SCALE: 1:20,000
LATITUDE: 18-10-30N LONGITUDE: 065-54-50W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L STATUS: 7
OWNER: JOSE M. ALVERIO
OPERATOR: JOSE M. ALVERIO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: UNKNOWN

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: GRANODIORITE (?)
HOST ROCK AGE: CRET (?), TERT (?)

GANGUE MINERALS: PLAGIOCLASE, QUARTZ, ORTHOCLASE, HORNBLende, BIOTITE

GEOLOGIC COMMENTS: QUARRY PLOTS IN IGNEOUS UNIT TKGD. THE HOST ROCK GRANODIORITE IS DESCRIBED AS A LIGHT-MEDIUM GRAY, MEDIUM-GRAINED ROCK; PLAGIOCLASE, QUARTZ, AND ORTHOCLASE PREDOMINATE; HORNBLende AND BIOTITE COMMON; LOCALLY GRADES INTO QUARTZ DIORITE. PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 100 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: BROEDAL, 1961.

MANATI QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **W701006**

REPORTER: PAIDAKOVICH, MATT

REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED DOLOMITE OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-28-54N

LONGITUDE: 066-26-11W

COMMODITY INFORMATION

COMMODITIES: DOL

ORE MATERIAL: DOLOMITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC ORIGIN**

GEOLOGY

HOST ROCK: CARBONATES

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01123**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **LAGUNA TORTUGUERO AREA SILICA SAND**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-27-52N

LONGITUDE: 066-26-29W

COMMODITY INFORMATION

COMMODITIES: SIL

ORE MATERIAL: SILICA SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BLANKET, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SAND

HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT
REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01124**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-23-17N

LONGITUDE: 066-25-20W

COMMODITY INFORMATION

COMMODITIES: LST1

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALKY LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AGUADA LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01125**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-22-57N

LONGITUDE: 066-27-24W

COMMODITY INFORMATION

COMMODITIES: LST1

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALKY LIMESTONE, MARL

HOST ROCK AGE: MIO

FORMATION NAME: AGUADA LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01126**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-25-00N

LONGITUDE: 066-25-06W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01127**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-27-26N

COUNTRY: PUERTO RICO

LONGITUDE: 066-23-48W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01128**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-27-08N

LONGITUDE: 066-23-06W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01129**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-26-22N

LONGITUDE: 066-23-20W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01130**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-26-16N

LONGITUDE: 066-23-24W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: HIGH CALCIUM LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO
AGE OF MINERALIZATION: MIO
REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01132**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-26-16N

LONGITUDE: 066-26-60W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01133**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-25-43N

LONGITUDE: 066-28-48W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01134**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-25-42N

LONGITUDE: 066-28-52W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01135**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
 STATE: PUERTO RICO
 QUADRANGLE: MANATI
 SCALE: 1:20,000
 LATITUDE: 18-25-48N
 COMMODITY INFORMATION
 COMMODITIES: LST2
 ORE MATERIAL: LIMESTONE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
 DEPOSIT FORM: TABULAR
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: LIMESTONE
 HOST ROCK AGE: MIO
 FORMATION NAME: AYMAMON LIMESTONE
 AGE OF MINERALIZATION: MIO
 REFERENCE: MONROE, 1962.

COUNTRY: PUERTO RICO

LONGITUDE: 066-28-49W

STATUS: 6

FORMATION AGE: MIO

MINERAL RESOURCES DATA SYSTEM RECORD **TC01136**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-25-45N

LONGITUDE: 066-28-53W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01137**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATTITUDE: 18-26-21N

LONGITUDE: 066-23-20W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01139**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATTITUDE: 18-26-31N

LONGITUDE: 066-25-10W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO
AGE OF MINERALIZATION: MIO
REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01140**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-26-27N

LONGITUDE: 066-26-21W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01142**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-25-44N

LONGITUDE: 066-28-47W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01143**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-25-47N

LONGITUDE: 066-28-51W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01144**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-25-44N LONGITUDE: 066-28-51W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: LIMESTONE AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO
AGE OF MINERALIZATION: MIO
REFERENCE: MONROE, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01145**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: MANATI
SCALE: 1:20,000
LATITUDE: 18-25-44N LONGITUDE: 066-28-55W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: LIMESTONE AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO
AGE OF MINERALIZATION: MIO
REFERENCE: MONROE, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01146**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI

SCALE: 1:20,000

LATITUDE: 18-26-03N

LONGITUDE: 066-29-39W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00754**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 07

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; CARBONARO, M.M.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI, 1982

SCALE: 1:20,000

LATITUDE: 18-27-45N

LONGITUDE: 066-25-10W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SILICIOUS SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: JUAN PIZA BLONDET

OPERATOR: JUAN PIZA BLONDET

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILICA SAND

HOST ROCK AGE: MID QUAT

AGE OF MINERALIZATION: MID QUAT

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 300 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00755**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; PAGE, N.J
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **JOCARLRICK QUARRIES CORP.'S LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: MANATI, 1982

SCALE: 1:20,000

LATITUDE: 18-26-06N

LONGITUDE: 066-25-12W

COMMODITY INFORMATION

COMMODITIES: LST2

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: JOCARLRICK QUARRIES CORP.

OPERATOR: JOCARLRICK QUARRIES CORP.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 500 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00756**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; BLISS, J.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **PRODUCTORA DE AGREGADOS, INC.'S LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI, 1982

SCALE: 1:20,000

LATITUDE: 18-26-07N

LONGITUDE: 066-25-12W

COMMODITY INFORMATION

COMMODITIES: STN1 LST

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: PRODUCTORA DE AGREGADOS, INC.

OPERATOR: PRODUCTORA DE AGREGADOS, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 3,000 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00757**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; CARBONARO, M.M.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILICA QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI, 1982

SCALE: 1:20,000

LATITUDE: 18-27-00N

LONGITUDE: 066-25-05W

COMMODITY INFORMATION

COMMODITIES: SIL

ORE MATERIAL: SILICA

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 7

OWNER: IRADIA L. RODRIGUEZ

OPERATOR: HERMINIO REYMUNDI

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILICA SAND

HOST ROCK AGE: EQUAT-MID QUAT
AGE OF MINERALIZATION: EQUAT-MID QUAT
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 200 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00758**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILICA QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI, 1982

SCALE: 1:20,000

LATITUDE: 18-28-25N

LONGITUDE: 066-24-50W

COMMODITY INFORMATION

COMMODITIES: SIL

ORE MATERIAL: SILICA

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 7

OWNER: SUCN. MARIO MARCANTONI

OPERATOR: ORLANDO RODZ. Y/O FELIX GINORIO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILICA SAND

HOST ROCK AGE: MID QUAT

AGE OF MINERALIZATION: MID QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 250 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00759**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: MANATI, 1982
SCALE: 1:20,000
LATITUDE: 18-27-30N LONGITUDE: 066-29-30W

COMMODITY INFORMATION

COMMODITIES: LST
ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L STATUS: 7
OWNER: JACOBO CUBANO CABALLERO
OPERATOR: JACOBO CUBANO CABALLERO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE
HOST ROCK AGE: LMIO
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: LMIO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 200 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00760**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; BLISS, J.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: MANATI, 1982
SCALE: 1:20,000
LATITUDE: 18-26-19N LONGITUDE: 066-26-49W

COMMODITY INFORMATION

COMMODITIES: STN1 LST
ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: DISTRIBUIDORA EBENE ZER INC.

OPERATOR: M.A.R. CONSTRUCTION

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 300 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00761**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; CARBONARO, M.M.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI, 1982

SCALE: 1:20,000

LATITUDE: 18-27-10N

LONGITUDE: 066-28-10W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: LUIS A. SOLDEVILLA

OPERATOR: LUIS A. SOLDEVILLA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, BEDDED SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 400 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00762**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI, 1982

SCALE: 1:20,000

LATITUDE: 18-22-45N

LONGITUDE: 066-29-40W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: ELA

OPERATOR: METRO AGGREGATES, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, BEDDED SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: MID QUAT-LQUAT

AGE OF MINERALIZATION: MID QUAT-LQUAT

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 1,000 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00811**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILICA QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MANATI, 1982

SCALE: 1:20,000

LATITUDE: 18-27-00N

LONGITUDE: 066-26-50W

COMMODITY INFORMATION

COMMODITIES: SIL

ORE MATERIAL: SILICA
EXPLORATION AND DEVELOPMENT
PRODUCTION? S STATUS: 7
OWNER: ARTURO PINTO ROSADO
OPERATOR: ORLANDO RODRIGUEZ Y/O DR. ARTURO PINTO ROSADO
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: SILICA SAND
HOST ROCK AGE: EQUAT-MID QUAT
AGE OF MINERALIZATION: EQUAT-MID QUAT
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 250 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MONROE, 1962.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00816**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: MANATI, 1982
SCALE: 1:20,000
LATITUDE: 18-24-00N LONGITUDE: 066-25-50W
COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL
EXPLORATION AND DEVELOPMENT
PRODUCTION? M STATUS: 7
OWNER: ELA
OPERATOR: ORLANDO RODRIGUEZ Y/O NILDA DAVILA
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **ALLUVIAL, BEDDED SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: ALLUVIUM
HOST ROCK AGE: MID QUAT-LQUAT
AGE OF MINERALIZATION: MID QUAT-LQUAT
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 250 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MONROE, 1962.

MAYAGUEZ QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01150**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MAYAGUEZ

SCALE: 1:20,000

LATITUDE: 18-13-30N

LONGITUDE: 067-09-55W

COMMODITY INFORMATION

COMMODITIES: STN1 (?)

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: MIXED SEDIMENTARY AND VOLCANICLASTIC ROCKS

HOST ROCK AGE: CRET

FORMATION NAME: YAUCO FORMATION

FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KY.

REFERENCE: CURET, 1986.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01151**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MAYAGUEZ

SCALE: 1:20,000

LATITUDE: 18-11-26N

LONGITUDE: 067-08-17W

COMMODITY INFORMATION

COMMODITIES: STN1 (?)

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: MIXED SEDIMENTARY AND VOLCANICLASTIC ROCKS

HOST ROCK AGE: CRET

FORMATION NAME: YAUCO FORMATION

FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KY.

REFERENCE: CURET, 1986.

MOCA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00940

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MOCA

SCALE: 1:20,000

LATITUDE: 18-28-06N

LONGITUDE: 067-01-05W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

GEOLOGIC COMMENTS: DEPOSIT IS IN UPPER MEMBER OF AYMAMON LIMESTONE.

REFERENCE: MONROE, 1969B.

MINERAL RESOURCES DATA SYSTEM RECORD TC00941

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
 STATE: PUERTO RICO COUNTRY: PUERTO RICO
 QUADRANGLE: MOCA
 SCALE: 1:20,000
 LATITUDE: 18-28-11N LONGITUDE: 067-01-05W
 COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: CRUSHED/BROKEN LIMESTONE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **SEDIMENTARY**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: LIMESTONE
 HOST ROCK AGE: MIO
 FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO
 AGE OF MINERALIZATION: MIO
 GEOLOGIC COMMENTS: DEPOSIT IS IN UPPER MEMBER OF AYMAMON LIMESTONE.
 REFERENCE: MONROE, 1969B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00942**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J. AND PIERCE, H.A.)
 REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED QUARRY**

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO COUNTRY: PUERTO RICO
 QUADRANGLE: MOCA
 SCALE: 1:20,000
 LATITUDE: 18-22-57N LONGITUDE: 067-06-20W
 COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: AGGREGATE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **VOLCANIC**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: BLACK GLASSY IGNEOUS ROCK, LAVA OR DIKE ROCK
 HOST ROCK AGE: EO
 AGE OF MINERALIZATION: EO
 REFERENCE: MONROE, 1969B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00779**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MOCA, 1964

SCALE: 1:20,000

LATITUDE: 18-27-10N

LONGITUDE: 067-02-55W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: MASTER AGGREGATES TOA BAJA CORP.

OPERATOR: MASTER AGGREGATES TOA BAJA CORP.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1100 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1969B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00832**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: MOCA, 1964

SCALE: 1:20,000

LATITUDE: 18-27-45N

LONGITUDE: 067-01-00W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: L. GARCIA SAAVEDRA

OPERATOR: L. GARCIA SAAVEDRA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE, SAND

HOST ROCK AGE: TERT

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 300 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1969B.

NAGUABO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01187**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NAGUABO

SCALE: 1:20,000

LATITUDE: 18-13-10N

LONGITUDE: 065-39-09W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA, LAVA

HOST ROCK AGE: LCRET

FORMATION NAME: DAGUAO FORMATION

FORMATION AGE: LCRET

GEOLOGIC COMMENTS: UNIT KD.

REFERENCE: M'GONIGLE, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01188**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NAGUABO

SCALE: 1:20,000

LATITUDE: 18-13-16N

LONGITUDE: 065-39-08W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA, LAVA

HOST ROCK AGE: LCRET

FORMATION NAME: DAGUAO FORMATION

FORMATION AGE: LCRET

GEOLOGIC COMMENTS: UNIT KD.

REFERENCE: M'GONIGLE, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01189**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NAGUABO

SCALE: 1:20,000

LATITUDE: 18-14-18N

LONGITUDE: 065-38-02W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: BRECCIA AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BRECCIA PIPE**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA, LAVA

HOST ROCK AGE: LCRET
FORMATION NAME: DAGUAO FORMATION FORMATION AGE: LCRET
REFERENCE: M'GONIGLE, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01190**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED DIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NAGUABO

SCALE: 1:20,000

LATITUDE: 18-13-37N

LONGITUDE: 065-38-32W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN DIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **STOCK**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: DIORITE

HOST ROCK AGE: TERT (?)

REFERENCE: M'GONIGLE, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00813**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NAGUABO, 1982

SCALE: 1:20,000

LATITUDE: 18-15-45N

LONGITUDE: 066-40-30W

COMMODITY INFORMATION

COMMODITIES: STN

ORE MATERIAL: STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: JULIO MEDINA
OPERATOR: CARMELO PENA LAUREANO
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **UNKNOWN**
WORKINGS: SURFACE
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 400 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

NARANJITO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01180**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NARANJITO

SCALE: 1:20,000

LATITUDE: 18-20-40N

LONGITUDE: 066-08-22W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN TUFF

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFF AND TUFF BRECCIA

HOST ROCK AGE: CRET

FORMATION NAME: CANCEL BRECCIA

FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KCN.

REFERENCE: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01184**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NARANJITO

SCALE: 1:20,000

LATITUDE: 18-20-49N

LONGITUDE: 066-11-55W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCAREOUS SILTSTONE

HOST ROCK AGE: CRET

FORMATION NAME: EL OCHO FORMATION

FORMATION AGE: CRET

REFERENCE: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01185**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NARANJITO

SCALE: 1:20,000

LATITUDE: 18-21-09N

LONGITUDE: 066-12-42W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCAREOUS SILTSTONE

HOST ROCK AGE: CRET

FORMATION NAME: EL OCHO FORMATION

FORMATION AGE: CRET

GEOLOGIC COMMENTS: QUARRY PLOTS IN THE PINA SILTSTONE MEMBER OF THE EL OCHO FORMATION.

REFERENCE: PEASE, 1968B.

REPORTER: CARBORANO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED STONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: NARANJITO

SCALE: 1:20,000

LATITUDE: 18-21-18N LONGITUDE: 066-13-23W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCAREOUS SILTSTONE

HOST ROCK AGE: CRET

FORMATION NAME: EL OCHO FORMATION FORMATION AGE: CRET

GEOLOGIC COMMENTS: QUARRY PLOTS IN THE PINA SILTSTONE MEMBER OF THE
EL OCHO FORMATION.

REFERENCE: PEASE, 1968B.

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01
AFFILIATION: USGS
SITE NAME: UNNAMED BARITE VEIN
COMMODITY TYPE: METALLIC/NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
COUNTRY: PUERTO RICO
QUADRANGLE: NARANJITO
SCALE: 1:20,000
LATITUDE: 18-17-14N
LONGITUDE: 066-11-53W
COMMODITY INFORMATION
COMMODITIES: BA
ORE MATERIAL: BARITE
EXPLORATION AND DEVELOPMENT
PRODUCTION?
STATUS:
DEPOSIT DESCRIPTION
DEPOSIT TYPE: VEINS OR SHEAR ZONES
DEPOSIT SIZE: S
WORKINGS:
GEOLOGY
HOST ROCK: LAVA OR LAVA BRECCIA; THIN TO THICK BEDDED TUFF,
TUFACEOUS SANDSTONE. OR MUDSTONE

HOST ROCK AGE: LCRET
ALTERATION: ARGILLIC OR PROPYLITIC
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00710**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NARANJITO, 1982

SCALE: 1:20,000

LATITUDE: 18-17-45N

LONGITUDE: 066-12-50W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: JORGE TIRADO ERAZO

OPERATOR: JORGE TIRADO ERAZO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **TERRACE DEPOSITS**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TERRACE DEPOSITS

HOST ROCK AGE: EQUAT

ALTERATION: TERRACE DEPOSITS ARE HYDROTHERMALLY ALTERED.

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 400 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00711**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO	COUNTRY: PUERTO RICO
QUADRANGLE: NARANJITO, 1982	
SCALE: 1:20,000	
LATITUDE: 18-21-10N	LONGITUDE: 066-08-20W
COMMODITY INFORMATION	
COMMODITIES: STN1	
ORE MATERIAL: AGGREGATE, CRUSHED/BROKEN SILTSTONE	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 7
OWNER: CONSTRUCTORA MINILLAS, INC.	
OPERATOR: J. RAFAEL GASCOT CUADRADO	
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: SEDIMENTARY, BEDDED	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: SILTSTONE	
HOST ROCK AGE: CRET	
FORMATION NAME: EL OCHO FORMATION	FORMATION AGE: CRET
GEOLOGIC COMMENTS: QUARRY PLOTS IN EL OCHO FORMATION-PINA SILTSTONE MEMBER.	
PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM EXTRACTION OF 2,000 CUBIC METERS PER DAY.	
REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.	
REFERENCE 2: PEASE, 1968B.	

MINERAL RESOURCES DATA SYSTEM RECORD **TC00712**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE	
REPORTED: 91 07	AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ALLEN, M.S.	
UPDATED: 91 08	AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRIES**

COMMODITY TYPE: NONMETALLIC	
LOCATION INFORMATION	
STATE: PUERTO RICO	COUNTRY: PUERTO RICO
QUADRANGLE: NARANJITO, 1982	
SCALE: 1:20,000	
LATITUDE: 18-20-06N	LONGITUDE: 066-08-11W
COMMODITY INFORMATION	
COMMODITIES: STN1	
ORE MATERIAL: VOLCANIC ROCK AGGREGATE	
EXPLORATION AND DEVELOPMENT	
PRODUCTION? YES	STATUS: 7
OWNER: IGNEOUS ROCK CORPORATION	
OPERATOR: EMPRESAS ORTIZ BRUNET, INC.	
DEPOSIT DESCRIPTION	
DEPOSIT TYPE: VOLCANIC	
WORKINGS: SURFACE	
GEOLOGY	
HOST ROCK: ANDESITIC LAVA	
HOST ROCK AGE: CRET	

FORMATION NAME: SANTA OLAVA LAVA FORMATION AGE: CRET
PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 500 CUBIC METERS PER DAY.
REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00713**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: NARANJITO, 1982
SCALE: 1:20,000
LATITUDE: 18-18-20N LONGITUDE: 066-08-30W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L STATUS: 7
OWNER: GUMERSINDO ESTRELLA
OPERATOR: ARENERO ESTRELLA, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM, TERRACE DEPOSITS
HOST ROCK AGE: MID QUAT
AGE OF MINERALIZATION: MID QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00714**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ALLEN, M.S.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NARANJITO, 1982

SCALE: 1:20,000

LATITUDE: 18-20-17N

LONGITUDE: 066-08-16W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: TUFF, BRECCIA AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: SUCN. MANUEL RAMOS PEREZ

OPERATOR: TERRASSA AGGREGATES

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TUFF, TUFF BRECCIA

HOST ROCK AGE: CRET

FORMATION NAME: CANCEL BRECCIA

FORMATION AGE: CRET

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00715**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; CARBONARO, M.M.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED VOLCANIC ROCK QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NARANJITO, 1982

SCALE: 1:20,000

LATITUDE: 18-21-50N

LONGITUDE: 066-13-25W

COMMODITY INFORMATION

COMMODITIES: VOL

ORE MATERIAL: VOLCANIC MATERIALS

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: ELA

OPERATOR: MANUEL VELILLA PEREZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: CRET
FORMATION NAME: EL OCHO FORMATION FORMATION AGE: CRET
GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE PINA SILTSTONE MEMBER OF
THE EL OCHO FORMATION.
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 1000 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD TC00716

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NARANJITO, 1982

SCALE: 1:20,000

LATITUDE: 18-22-00N

LONGITUDE: 066-14-35W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: HACIENDA DIAZ INC.

OPERATOR: EMPRESAS TERRASSA INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL, TERRACE DEPOSITS

HOST ROCK AGE: MID QUAT

AGE OF MINERALIZATION: MID QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00829**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: NARANJITO, 1982

SCALE: 1:20,000

LATITUDE: 18-15-15N

LONGITUDE: 066-12-20W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: VICTOR M. MORALES

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: LQUAT

AGE OF MINERALIZATION: LQUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 400 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: PEASE, 1968B.

OROCOVIS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00936**

REPORTER: CARBONARO, MARGUERITE M. (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: MUNICIPIO DE OROCOVIS

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: OROCOVIS

SCALE: 1:20,000

LATITUDE: 18-12-51N LONGITUDE: 066-28-50W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN VOLCANICLASTIC ROCK, AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: CALCAREOUS TUFFACEOUS SANDSTONE-SILTSTONE
HOST ROCK AGE: CRET
FORMATION NAME: ROBLES FORMATION FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
REFERENCE: BRIGGS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00937**

REPORTER: CARBONARO, MARGUERITE M. (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED TUFF QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: OROCOVIS
SCALE: 1:20,000
LATITUDE: 18-12-46N LONGITUDE: 066-28-58W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN TUFF, AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, VOLCANIC**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: ANDESITE, BASALTIC ANDESITE BRECCIA, TUFF
HOST ROCK AGE: CRET
FORMATION NAME: MALO BRECCIA FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
REFERENCE: BRIGGS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00938**

REPORTER: CARBONARO, MARGUERITE M. (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED DIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: MUNICIPIO DE OROCOVIS

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: OROCOVIS

SCALE: 1:20,000

LATITUDE: 18-11-29N

LONGITUDE: 066-29-25W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN DIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **IGNEOUS**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: DIORITE PORPHYRY, QUARTZ DIORITE PORPHYRY

HOST ROCK AGE: CRET-EO

AGE OF MINERALIZATION: CRET-EO

REFERENCE: BRIGGS, 1971.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00939**

REPORTER: CARBONARO, MARGUERITE M. (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED TUFF QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: MUNICIPIO DE COAMO

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: OROCOVIS

SCALE: 1:20,000

LATITUDE: 18-11-43N

LONGITUDE: 066-24-26W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: TUFF

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BASALT TO BASALTIC ANDESITE HYDROCLASTIC TUFF

HOST ROCK AGE: CRET

FORMATION NAME: TORRECULLA BRECCIA

FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

GEOLOGIC COMMENTS: DEPOSIT IS IN BARROS TUFF MEMBER OF TORRECULLA BRECCIA.

REFERENCE: BRIGGS, 1971.

PARGUERA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD W701168

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEIN**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PARGUERA

SCALE: 1:20,000

LATITUDE: 17-59-57N

LONGITUDE: 067-06-24W

COMMODITY INFORMATION

COMMODITIES: BA

ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

WORKINGS:

GEOLOGY

HOST ROCK: CHERT

HOST ROCK AGE: ECRET

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD W701169

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **NEGRONI PROPERTY**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PARGUERA

SCALE: 1:20,000

LATITUDE: 17-59-35N

LONGITUDE: 067-06-54W

COMMODITY INFORMATION

COMMODITIES: BA

ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT

PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION
DEPOSIT TYPE: **VEINS OR SHEAR ZONES**
DEPOSIT SIZE: S
WORKINGS:
GEOLOGY
HOST ROCK: CHERT
HOST ROCK AGE: ECRET
REFERENCE: COX AND BRIGGS, 1973.

PATILLAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01029

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PATILLAS

SCALE: 1:20,000

LATITUDE: 18-00-11N

LONGITUDE: 066-02-19W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **STOCK**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ANDESITIC LAVA

HOST ROCK AGE: CRET

REFERENCE: GLOVER, 1982.

MINERAL RESOURCES DATA SYSTEM RECORD TC01030

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PATILLAS
SCALE: 1:20,000
LATITUDE: 18-01-56N LONGITUDE: 066-01-50W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: VOLCANIC AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **VOLCANIC**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: ANDESITIC LAVA
HOST ROCK AGE: CRET
REFERENCE: GLOVER, 1982.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01031**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED DIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: PATILLAS
SCALE: 1:20,000
LATITUDE: 18-00-30N LONGITUDE: 066-03-39W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN DIORITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **STOCK**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: HORNBLENDE DIORITE
HOST ROCK AGE: CRET
FORMATION NAME: LORENZO BATHOLITH FORMATION AGE: CRET
GEOLOGIC COMMENTS: UNIT KHD.
REFERENCE: GLOVER, 1982.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01032**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED DIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: PATILLAS

SCALE: 1:20,000

LATITUDE: 18-00-39N

COUNTRY: PUERTO RICO

LONGITUDE: 066-03-38W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN DIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **STOCK**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: HORNBLENDE DIORITE

HOST ROCK AGE: CRET

FORMATION NAME: LORENZO BATHOLITH

FORMATION AGE: CRET

GEOLOGIC COMMENTS: UNIT KHD.

REFERENCE: GLOVER, 1982.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01033**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED DIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: PATILLAS

SCALE: 1:20,000

LATITUDE: 18-00-51N

COUNTRY: PUERTO RICO

LONGITUDE: 066-03-35W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN DIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **STOCK**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: HORNBLENDE DIORITE

HOST ROCK AGE: CRET

FORMATION NAME: LORENZO BATHOLITH

FORMATION AGE: CRET

REFERENCE: GLOVER, 1982.

PENUELAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00950**

REPORTER: CARBONARO, MARGUERITE (PAGE, N.J, AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: PONCE QUARRY

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: CIUDAD DE PONCE

LOCATION INFORMATION

STATE: MP

COUNTRY: PUERTO RICO

QUADRANGLE: PEÑUELAS

SCALE: 1:20,000

LATITUDE: 18-01-32N

LONGITUDE: 066-38-19W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CLAYEY CHALK, CHALKY LIMESTONE

HOST ROCK AGE: MIO-OLIGO

FORMATION NAME: JUANA DIAZ FORMATION FORMATION AGE: MIO-OLIGO

AGE OF MINERALIZATION: MIO-OLIGO

GEOLOGIC COMMENTS: QUARRY PLOTS IN THE CHALK MEMBER OF THE JUANA DIAZ FORMATION.

REFERENCE: KRUSHENSKY AND MONROE, 1978.

COUNTRY NAME: MUNICIPIO DE PONCE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00745**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PENUELAS, 1982

SCALE: 1:20,000

LATITUDE: 18-00-40N

LONGITUDE: 066-39-10W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: TALLABOA HEAVY EQUIP.

OPERATOR: TALLABOA HEAVY EQUIP.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CHALK

HOST ROCK AGE: MIO-OLIGO

FORMATION NAME: JUANA DIAZ FORMATION FORMATION AGE: MIO-OLIGO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 400 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: KRUSHENSKY AND MONROE, 1978.

PLAYA DE PONCE QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00925**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PLAYA DE PONCE

SCALE: 1:20,000

LATITUDE: 17-58-16N

LONGITUDE: 066-33-42W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BEACH DEPOSITS

HOST ROCK AGE: QUAT

REFERENCE: GLOVER AND OTHERS, 1977.

PONCE QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01163

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-02-49N

LONGITUDE: 066-35-58W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCAREOUS SANDY CLAY, SAND, SANDY GRAVEL

HOST ROCK AGE: OLIGO; MIO

FORMATION NAME: JUANA DIAZ FORMATION FORMATION AGE: OLIGO; MIO

GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE DETRITAL UNIT OF THE JUANA DIAZ FORMATION.

PRODUCTION COMMENTS: ACTIVE IN 1971.

REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD TC01164

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-01-46N

LONGITUDE: 066-36-56W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLOGY

HOST ROCK: CALCAREOUS SANDY CLAY, SAND, SANDY GRAVEL
HOST ROCK AGE: OLIGO; MIO
FORMATION NAME: JUANA DIAZ FORMATION FORMATION AGE: OLIGO; MIO
GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE DETRITAL UNIT OF THE JUANA
DIAZ FORMATION.
PRODUCTION COMMENTS: ACTIVE IN 1971.
REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01165**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-03-10N

LONGITUDE: 066-31-35W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCAREOUS SANDY CLAY, SAND, SANDY GRAVEL

HOST ROCK AGE: OLIGO; MIO

FORMATION NAME: JUANA DIAZ FORMATION FORMATION AGE: OLIGO; MIO

GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE DETRITAL UNIT OF THE JUANA
DIAZ FORMATION.

PRODUCTION COMMENTS: ACTIVE IN 1971.

REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01166**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
 STATE: PUERTO RICO
 QUADRANGLE: PONCE
 SCALE: 1:20,000
 LATITUDE: 18-01-25N
 COMMODITY INFORMATION
 COMMODITIES: LST
 ORE MATERIAL: LIMESTONE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
 DEPOSIT FORM: TABULAR, LENTICULAR
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: CALCAREOUS SANDSTONE, CHALK, CHALKY LIMESTONE
 HOST ROCK AGE: OLIGO; MIO
 FORMATION NAME: JUANA DIAZ FORMATION FORMATION AGE: OLIGO; MIO
 AGE OF MINERALIZATION: OLIGO; MIO
 GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE CALCAREOUS UNIT OF THE
 JUANA DIAZ FORMATION
 REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01167**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
 REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO
 QUADRANGLE: PONCE
 SCALE: 1:20,000
 LATITUDE: 18-01-47N
 COMMODITY INFORMATION
 COMMODITIES: LST
 ORE MATERIAL: LIMESTONE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
 DEPOSIT FORM: TABULAR, LENTICULAR
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: CALCAREOUS SANDSTONE, CHALK, CHALKY LIMESTONE
 HOST ROCK AGE: OLIGO; MIO
 FORMATION NAME: JUANA DIAZ FORMATION FORMATION AGE: OLIGO; MIO
 AGE OF MINERALIZATION: OLIGO; MIO
 GEOLOGIC COMMENTS: THE QUARRY PLOTS IN THE CALCAREOUS UNIT OF THE
 JUANA DIAZ FORMATION.
 REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01169**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-01-09N

LONGITUDE: 066-35-07W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: FOSSILIFEROUS CALCARENITE

HOST ROCK AGE: MIO

FORMATION NAME: PONCE LIMESTONE

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01170**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-03-38N

LONGITUDE: 066-35-13W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCIRUDITE, CALCARENITE, PYRITE

HOST ROCK AGE: LCRET

FORMATION NAME: LIMESTONE OF CERRILLOS FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01171**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-03-35N

LONGITUDE: 066-35-09W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCIRUDITE, CALCARENITE, PYRITE

HOST ROCK AGE: LCRET

FORMATION NAME: LIMESTONE OF CERRILLOS FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01172**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATTITUDE: 18-03-39N

LONGITUDE: 066-34-59W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCIRUDITE, CALCARENITE, PYRITE

HOST ROCK AGE: LCRET

FORMATION NAME: LIMESTONE OF CERRILLOS FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01173**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-03-42N

LONGITUDE: 066-34-43W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCIRUDITE, CALCARENITE, PYRITE

HOST ROCK AGE: LCRET

FORMATION NAME: LIMESTONE OF CERRILLOS FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01174**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-03-48N

LONGITUDE: 066-34-12W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCIRUDITE, CALCARENITE, PYRITE

HOST ROCK AGE: LCRET

FORMATION NAME: LIMESTONE OF CERRILLOS FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: KRUSHENSKY AND MONROE, 1975.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01175**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N. J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-02-57N

LONGITUDE: 066-36-48W

COMMODITY INFORMATION

COMMODITIES: CLY? STN1?

ORE MATERIAL: SILTSTONE, SANDSTONE, CLAYSTONE, MUDSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCAREOUS SILTSTONE, SANDSTONE, CLAYSTONE, MUDSTONE

HOST ROCK AGE: LCRET

FORMATION NAME: YAUCO MUDSTONE
AGE OF MINERALIZATION: LCRET
REFERENCE: KRUSHENSKY AND MONROE, 1975.

FORMATION AGE: LCRET

MINERAL RESOURCES DATA SYSTEM RECORD **W701141**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED GYPSUM VEIN**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-02-41N

COMMODITY INFORMATION

COMMODITIES: GYP

ORE MATERIAL: GYPSUM

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: CARBONATES

REFERENCE: COX AND BRIGGS, 1973.

COUNTRY: PUERTO RICO

LONGITUDE: 066-31-19W

STATUS:

MINERAL RESOURCES DATA SYSTEM RECORD **W701142**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED GYPSUM VEIN**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

QUADRANGLE: PONCE

SCALE: 1:20,000

LATITUDE: 18-01-58N

COMMODITY INFORMATION

COMMODITIES: GYP

ORE MATERIAL: GYPSUM

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

COUNTRY: PUERTO RICO

LONGITUDE: 066-36-54W

STATUS:

GEOLOGY
HOST ROCK: CARBONATES
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00750**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; PAGE, N.J AND PIERCE, H.A.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: PONCE, 1982
SCALE: 1:20,000
LATITUDE: 18-01-13N LONGITUDE: 066-35-39W

COMMODITY INFORMATION

COMMODITIES: LST
ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L STATUS: 7
OWNER: ALBERTO CASTRO, CARMEN TORNOS
OPERATOR: JOSE CARRO CABRERA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: FOSSILIFEROUS CALCARENITE
HOST ROCK AGE: MIO
FORMATION NAME: PONCE LIMESTONE FORMATION AGE: MIO
AGE OF MINERALIZATION: MIO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 2500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: KRUSHENSKY AND MONROE, 1975.

PUERTO REAL QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01263**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: PUERTO REAL
SCALE: 1:20,000
LATITUDE: 18-04-52N LONGITUDE: 067-07-34W

COMMODITY INFORMATION

COMMODITIES: LST
ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY, BIOCLASTIC**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE
HOST ROCK AGE: CRET
FORMATION NAME: COTUI LIMESTONE FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET

REFERENCE: VOLCKMANN, 1984A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01264**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: PUERTO REAL
SCALE: 1:20,000
LATITUDE: 18-05-12N LONGITUDE: 067-08-30W

COMMODITY INFORMATION

COMMODITIES: LST
ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY, BIOCLASTIC**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: CRET

FORMATION NAME: COTUI LIMESTONE

FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

REFERENCE: VOLCKMANN, 1984A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01265**

REPORTER: CARONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **CASCAJO**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUERTO REAL

SCALE: 1:20,000

LATITUDE: 18-00-03N

LONGITUDE: 067-09-23W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE?

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MAFIC-ULTRAMAFIC?**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SERPENTINITE, AMPHIBOLITE

HOST ROCK AGE: ECRET-LJUR

AGE OF MINERALIZATION: ECRET-LJUR

REFERENCE: VOLCKMANN, 1984A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00770**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 06

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D., AND PAGE, N.J

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE WORKING**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUERTO REAL, 1966

SCALE: 1:20,000

LATITUDE: 18-04-00N
COMMODITY INFORMATION
COMMODITIES: STN
ORE MATERIAL: UNKNOWN
EXPLORATION AND DEVELOPMENT

LONGITUDE: 067-00-45W

PRODUCTION? L
OWNER: JOSE A. LUGO RODRIGUEZ
OPERATOR: CANTERA LAS LOMAS
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **UNKNOWN**

STATUS: 7

WORKINGS: SURFACE

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 200 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00782**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 07

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **CANTERA MONTEGRANDE'S QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUERTO REAL, 1966

SCALE: 1:20,000

LATITUDE: 18-04-50N

LONGITUDE: 067-07-45W

COMMODITY INFORMATION

COMMODITIES: STN1 LST

ORE MATERIAL: CRUSHED/BROKEN LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: CANTERA MONTEGRANDE

OPERATOR: CANTERA MONTEGRANDE

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: CRET

FORMATION NAME: COTUI LIMESTONE

FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM EXTRACTION OF 200 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: VOLCKMANN, 1984A.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00783**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; PAGE, N.J
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: PUERTO REAL, 1966
SCALE: 1:20,000
LATITUDE: 18-07-27N LONGITUDE: 067-08-21W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CONGLOMERATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L STATUS: 7
OWNER: MILTON R. TORO STGO.
OPERATOR: MILTON R. TORO STGO.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, BEDDED**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CONGLOMERATE
HOST ROCK AGE: CRET
FORMATION NAME: YAUCO FORMATION FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: VOLCKMANN, 1984A.

PUERTO RICO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **D002191**

REPORTER: HALL, ROBERT B.
REPORTED: 76 09 AFFILIATION: USGS
UPDATER: STARRITT, BRUCE C.
UPDATED: 78 08 AFFILIATION:

SITE NAME: **CERRO LA TIZA**

MINING DISTRICT: CERRO LA TIZA

COMMODITY TYPE: METALLIC/NONMETALLIC
UNKNOWN1: GUAYAMA SENATORIAL DISTRICT
LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: PUERTO RICO
SCALE: 1:20,000COMERIO
LATITUDE: 18-14-37N

COUNTRY: PUERTO RICO

LONGITUDE: 66-11-05W

COMMODITY INFORMATION

COMMODITIES: AL3 K AL
ORE MATERIAL: ALUNITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? N

STATUS: 2

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **HYDROTHERMAL ALTERATION - REPLACEMENT**
DEPOSIT FORM: ELONGATE IRREG LENS
DEPOSIT SIZE: L

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BASALTIC - ANDESITIC VOLCANIC ROCKS

HOST ROCK AGE: CRET-TERT

FORMATION NAME: ALUNITIZED ZONE

FORMATION AGE: UCRET-TERT

ASSOCIATED IGNEOUS ROCKS: BASALTIC - ANDESITIC VOLCANIC ROCKS

IGNEOUS ROCK AGE: CRET-TERT

GANGUE MINERALS: QUARTZ, SERICITE, PYROPHYLLITE, KAOLINITE, HALLOYSITE

GEOLOGIC COMMENTS: HYDROTHERMAL (ACIDIC) ALTERATION EXTENSIVE BUT
LACKS WELL DEFINED ZONING PATTERN.

PRODUCTION COMMENTS: NO KNOWN PRODUCTION OF ALUNITE; SOME KAOLIN
CLAY MAY HAVE BEEN PRODUCED

REFERENCE: HILDEBRAND AND SMITH, 1959.

REFERENCE 2: HILDEBRAND, 1961.

PUNTA GUAYANES QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01246**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED GRANODIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: PUNTA GUAYANES
SCALE: 1:20,000
LATITUDE: 18-05-54N

COUNTRY: PUERTO RICO

LONGITUDE: 065-50-20W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN GRANODIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **INTRUSIVE COMPLEX**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: GRANODIORITE

HOST ROCK AGE: LCRET

FORMATION NAME: PLUTONIC COMPLEX OF PUNTA GUAYANA

FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01247**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED TONALITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA GUAYANES

SCALE: 1:20,000

LATITUDE: 18-02-26N

LONGITUDE: 065-52-20W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN TONALITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **INTRUSIVE COMPLEX**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TONALITE

HOST ROCK AGE: LCRET

FORMATION NAME: GRANODIORITE OF SAN LORENZO - TONALITE FACIES

FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01248**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED TONALITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA GUAYANES
SCALE: 1:20,000
LATITUDE: 18-02-25N LONGITUDE: 065-52-12W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN TONALITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **INTRUSIVE COMPLEX**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: TONALITE
HOST ROCK AGE: LCRET
FORMATION NAME: GRANODIORITE OF SAN LORENZO - TONALITE FACIES
FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET
REFERENCE: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01249**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED DIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: PUNTA GUAYANES
SCALE: 1:20,000
LATITUDE: 18-02-35N LONGITUDE: 065-51-18W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN DIORITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **INTRUSIVE COMPLEX**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: DIORITE
HOST ROCK AGE: LCRET
AGE OF MINERALIZATION: LCRET
REFERENCE: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01250**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED DIORITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA GUAYANES

SCALE: 1:20,000

LATITUDE: 18-02-41N

LONGITUDE: 065-51-14W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN DIORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **INTRUSIVE COMPLEX**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: DIORITE

HOST ROCK AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01251**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED TONALITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA GUAYANES

SCALE: 1:20,000

LATITUDE: 18-02-03N

LONGITUDE: 065-49-58W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN TONALITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **INTRUSIVE COMPLEX**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TONALITE

HOST ROCK AGE: LCRET

FORMATION NAME: GRANODIORITE OF SAN LORENZO - TONALITE FACIES

AFFILIATION: USGS/CIMRI

REFERENCE: ROGERS, 1977.

AFFILIATION: USGS/CIMRI

LONGITUDE: 065-50-47W

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **INTRUSIVE COMPLEX**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: DIORITE

HOST ROCK AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01254**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED TONALITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA GUAYANES

SCALE: 1:20,000

LATITUDE: 18-01-30N

LONGITUDE: 065-50-38W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN TONALITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **INTRUSIVE COMPLEX**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: TONALITE

HOST ROCK AGE: LCRET

FORMATION NAME: GRANODIORITE OF SAN LORENZO - TONALITE FACIES

FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

REFERENCE: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01255**

REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED TONALITE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA GUAYANES
SCALE: 1:20,000
LATITUDE: 18-02-33N
LONGITUDE: 065-50-54W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN TONALITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **INTRUSIVE COMPLEX**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: TONALITE
HOST ROCK AGE: LCRET
FORMATION NAME: GRANODIORITE OF SAN LORENZO - TONALITE FACIES
FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET
REFERENCE: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00765**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 06
AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08
AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: PUNTA GUAYANES, 1970
SCALE: 1:20,000
LATITUDE: 18-04-45N

COUNTRY: PUERTO RICO

LONGITUDE: 065-50-20W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M
STATUS: 7
OWNER: ELA
OPERATOR: LUIS A. APONTE NIEVES

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SAND, SILT, CLAY, AND OTHER ALLUVIAL SEDIMENTS
HOST ROCK AGE: PLEIS-HOLO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 150 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00822**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: PUNTA GUAYANES, 1970
SCALE: 1:20,000
LATITUDE: 18-06-10N LONGITUDE: 065-49-10W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M STATUS: 7
OWNER: ELA
OPERATOR: P. R. LAWN & NURSERY

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM, FANGLOMERATE
HOST ROCK AGE: PLEIS-HOLO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 400 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: ROGERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00830**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 09 AFFILIATION: USGS
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: PUNTA GUAYANES, 1970
SCALE: 1:20,000
LATITUDE: 18-04-45N LONGITUDE: 065-50-20W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: LUIS A. APONTE NIEVES

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM, FANGLOMERATE

HOST ROCK AGE: PLEIS-HOLO

AGE OF MINERALIZATION: PLEIS-HOLO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 150 CUBIC METERS.

REFERENCE: ROGERS, 1977.

REFERENCE 2: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

PUNTA PUERCA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01176**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA PUERCA

SCALE: 1:20,000

LATITUDE: 18-13-48N

LONGITUDE: 065-35-36W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA, LAVA

HOST ROCK AGE: LCRET

FORMATION NAME: DAGUAO FORMATION

FORMATION AGE: LCRET

GEOLOGIC COMMENTS: UNIT KD.

REFERENCE: M'GONIGLE, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01177**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA PUERCA

SCALE: 1:20,000

LATITUDE: 18-13-53N

LONGITUDE: 065-36-42W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA, LAVA

HOST ROCK AGE: LCRET

FORMATION NAME: DAGUAO FORMATION

FORMATION AGE: LCRET

GEOLOGIC COMMENTS: UNIT KD.

REFERENCE: M'GONIGLE, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01178**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA PUERCA

SCALE: 1:20,000

LATITUDE: 18-14-30N

LONGITUDE: 065-36-57W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA, LAVA

HOST ROCK AGE: LCRET

FORMATION NAME: DAGUAO FORMATION
REFERENCE: M'GONIGLE, 1979.

FORMATION AGE: LCRET

MINERAL RESOURCES DATA SYSTEM RECORD TC01179

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: PUNTA PUERCA

SCALE: 1:20,000

LATITUDE: 18-14-28N

LONGITUDE: 065-37-18W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC BRECCIA, LAVA

HOST ROCK AGE: LCRET

FORMATION NAME: DAGUAO FORMATION

FORMATION AGE: LCRET

REFERENCE: M'GONIGLE, 1979.

QUEBRADILLAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00926

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: QUEBRADILLAS

SCALE: 1:20,000

LATITUDE: 18-26-59N

LONGITUDE: 066-55-03W

COMMODITY INFORMATION

COMMODITIES: STN1 LST

ORE MATERIAL: LIMESTONE AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO
AGE OF MINERALIZATION: MIO
REFERENCE: MONROE, 1967.

MINERAL RESOURCES DATA SYSTEM RECORD **W701001**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01 AFFILIATION: USGS

SITE NAME: **UNNAMED DOLOMITE OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: QUEBRADILLAS

SCALE: 1:20,000

LATITUDE: 18-29-05N

LONGITUDE: 066-57-30W

COMMODITY INFORMATION

COMMODITIES: DOL

ORE MATERIAL: DOLOMITE

EXPLORATION AND DEVELOPMENT

PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC ORIGIN**

GEOLOGY

HOST ROCK: CARBONATES

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: TERT

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701002**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01 AFFILIATION: USGS

SITE NAME: **UNNAMED DOLOMITE OCCURRENCE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: QUEBRADILLAS
SCALE: 1:20,000
LATITUDE: 18-28-56N LONGITUDE: 066-53-53W
COMMODITY INFORMATION
COMMODITIES: DOL
ORE MATERIAL: DOLOMITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? STATUS:
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC
ORIGIN**
GEOLOGY
HOST ROCK: CARBONATES
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: TERT
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00790**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: QUEBRADILLAS, 1972
SCALE: 1:20,000
LATITUDE: 18-27-58N LONGITUDE: 066-58-50W
COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL
EXPLORATION AND DEVELOPMENT
PRODUCTION? L STATUS: 7
OWNER: GILBERTO BENITEZ REYES
OPERATOR: GILBERTO BENITEZ REYES
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **UNKNOWN**
WORKINGS: SURFACE
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 1000 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00791**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: QUEBRADILLAS, 1972

SCALE: 1:20,000

LATTITUDE: 18-27-25N

LONGITUDE: 066-53-10W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

OWNER: MINAS DEL TANAMA, INC.

OPERATOR: DENTON CONSTRUCTION CORP.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 1000 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1967.

RINCON QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00788**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 06 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE WORKING**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RINCON, 1966

SCALE: 1:20,000

LATTITUDE: 18-18-30N

LONGITUDE: 067-11-30W

COMMODITY INFORMATION

COMMODITIES: STN

ORE MATERIAL: UNKNOWN

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: LIBRADA MENDEZ

OPERATOR: LIBRADA MENDEZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD TC00789

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 07

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED VOLCANIC SAND WORKING

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RINCON, 1966

SCALE: 1:20,000

LATITUDE: 18-18-00N

LONGITUDE: 067-12-20W

COMMODITY INFORMATION

COMMODITIES: VOL

ORE MATERIAL: VOLCANIC SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: LAURA TIO VDA. DE MENDOZA

OPERATOR: LUIS A FORESTIER VALLE

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC SAND

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM EXTRACTION OF 250 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

RIO DESCALABRADO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **W701151**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEIN**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RIO DESCALABRADO

SCALE: 1:20,000

LATITUDE: 18-03-14N

LONGITUDE: 066-25-26W

COMMODITY INFORMATION

COMMODITIES: BA

ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT

PRODUCTION?

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: CARBONATES

HOST ROCK AGE: PALEO-EO

GANGUE MINERALS: DOLOMITE

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01193**

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)
REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **GUAYABAL QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: MUNICIPIO DE JUANA DIAZ

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RIO DESCALABRADO

SCALE: 1:20,000

LATITUDE: 18-05-15N

LONGITUDE: 066-29-55W

COMMODITY INFORMATION

COMMODITIES: STN1 LST

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 4

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

DEPOSIT SIZE: S

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE, TUFFACEOUS VOLCANIC, ANDESITIC VOLCANIC

HOST ROCK AGE: TERT; CRET

FORMATION NAME: GUAYO FORMATION

FORMATION AGE: TERT; CRET

FORMATION NAME: CUEVAS LIMESTONE

FORMATION AGE: TERT; CRET

FORMATION NAME: COAMO FORMATION

FORMATION AGE: TERT; CRET

AGE OF MINERALIZATION: TERT; CRET

REFERENCE: GLOVER AND MATSON, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01196**

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **CERRO DE LAS CUEVAS CAVES**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RIO DESCALABRADO

SCALE: 1:20,000

LATTITUDE: 18-05-12N

LONGITUDE: 066-28-32W

COMMODITY INFORMATION

COMMODITIES: P

ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 4

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED BIOGENIC**

DEPOSIT SIZE: S

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE CAVES

HOST ROCK AGE: EO

FORMATION NAME: CUEVAS LIMESTONE

FORMATION AGE: EO

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: PRODUCED AND MARKETING AT PONCE, P.R.

REFERENCE: GLOVER AND MATSON, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01200**

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RIO DESCALABRADO
SCALE: 1:20,000
LATITUDE: 18-01-55N LONGITUDE: 066-29-27W
COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: GRAVEL AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? S STATUS: 4
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **ALLUVIAL**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: ALLUVIUM, STREAM GRAVEL
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT
GEOLOGIC COMMENTS: DETAILED GEOLOGY BY GLOVER AND MATSON, 1973,
SHOWS NORTHWARD COMPRESSIVE SOUTH DIPPING THRUST FAULTS.
REFERENCE: GLOVER AND MATSON, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01201**

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: RIO DESCALABRADO
SCALE: 1:20,000
LATITUDE: 18-04-28N LONGITUDE: 066-27-31W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: LIMESTONE AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? S STATUS: 4
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: MID EO
FORMATION NAME: RIO DESCALABRADO FM FORMATION AGE: MID EO
FORMATION NAME: CUEVAS FORMATION FORMATION AGE: MID EO
GEOLOGIC COMMENTS: DETAILED GEOLOGY BY GLOVER AND MATSON, 1973,
SHOWS NORTHWARD COMPRESSIVE SOUTH DIPPING THRUST FAULTS. UPPER
MEMBER OF THE JACAGUAS GROUP, BELOW LATE EOCENE UNCONFORMITY.
REFERENCE: GLOVER AND MATSON, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01202**

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RIO DESCALABRADO

SCALE: 1:20,000

LATITUDE: 18-03-37N

LONGITUDE: 066-29-47W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 4

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANICLASTIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CONGLOMERATIC SANDSTONE, CALCAREOUS ARENITE,
CONGLOMERATIC TUFF

HOST ROCK AGE: MID EO

FORMATION NAME: JUANA DIAZ FORMATION FORMATION AGE: MID EO

FORMATION NAME: GUAYO FORMATION FORMATION AGE: MID EO

GEOLOGIC COMMENTS: DETAILED GEOLOGY BY GLOVER AND MATSON, 1973,
SHOWS NORTHWARD COMPRESSIVE SOUTH DIPPING THRUST FAULTS. UPPER
MEMBER OF EOCENE AGE JACAGUAS GROUP.

REFERENCE: GLOVER AND MATSON, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01203**

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RIO DESCALABRADO

SCALE: 1:20,000

LATITUDE: 18-00-04N

LONGITUDE: 066-24-01W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: GRAVEL AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 8

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

DEPOSIT SIZE: S

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM, STREAM GRAVEL

HOST ROCK AGE: QUAT

GEOLOGIC COMMENTS: DETAILED GEOLOGY BY GLOVER AND MATSON, 1973,
SHOWS NORTHWARD COMPRESSIVE SOUTH DIPPING THRUST FAULTS.

REFERENCE: GLOVER AND MATSON, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01204**

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RIO DESCALABRADO

SCALE: 1:20,000

LATITUDE: 18-00-59N

LONGITUDE: 066-22-41W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: LIMESTONE AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: LMIO-MID MIO; MID EO

FORMATION NAME: PONCE LIMESTONE

FORMATION AGE: LOLIGO-MID OLIGO; MID EO

FORMATION NAME: CUEVAS LIMESTONE

FORMATION AGE: LOLIGO-MID OLIGO; MID EO

GEOLOGIC COMMENTS: DETAILED GEOLOGY BY GLOVER AND MATSON, 1973,
SHOWS NORTHWARD COMPRESSIVE SOUTH DIPPING THRUST FAULTS.

REFERENCE: GLOVER AND MATSON, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01205**

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)

REPORTED: 91 11

AFFILIATION: USGS/CIMRI

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RIO DESCALABRADO
SCALE: 1:20,000
LATITUDE: 18-01-01N LONGITUDE: 066-22-39W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: LIMESTONE AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? S STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: EOLIGO-MID OLIGO, MID EO
FORMATION NAME: PONCE LIMESTONE
FORMATION AGE: LOLIGO-MID OLIGO; MID EO
FORMATION NAME: CUEVAS LIMESTONE
FORMATION AGE: LOLIGO-MID OLIGO; MID EO
GEOLOGIC COMMENTS: DETAILED GEOLOGY BY GLOVER AND MATSON, 1973,
SHOWS NORTHWARD COMPRESSIVE SOUTH DIPPING THRUST FAULTS.
REFERENCE: GLOVER AND MATSON, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00752**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE WORKINGS**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: RIO DESCALABRADO, 1982
SCALE: 1:20,000
LATITUDE: 18-04-30N LONGITUDE: 066-27-30W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN VOLCANICS AND (OR) LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? L STATUS: 7
OWNER: EFRAIN DALECIO
OPERATOR: EFRAIN DALECIO
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **VOLCANIC, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: TUFF, MINOR LIMESTONE
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: GLOVER AND MATSON, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD TC00753

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: RIO DESCALABRO, 1982

SCALE: 1:20,000

LATITUDE: 18-02-30N

LONGITUDE: 066-28-30W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: ANTONIO UBARRI

OPERATOR: ANTONIO UBARRI

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 200 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

ROSARIO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01147

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ROSARIO

SCALE: 1:20,000
 LATITUDE: 18-09-22N
 LONGITUDE: 067-07-05W
 COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: AGGREGATE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: MIXED SEDIMENTARY AND VOLCANICLASTIC ROCKS
 HOST ROCK AGE: CRET
 FORMATION NAME: YAUCO FORMATION
 FORMATION AGE: CRET
 REFERENCE: CURET, 1986.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01148**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
 REPORTED: 91 11
 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED AGGREGATE QUARRY**

COMMODITY TYPE: NONMETALLIC
 LOCATION INFORMATION
 STATE: PUERTO RICO
 COUNTRY: PUERTO RICO
 QUADRANGLE: ROSARIO
 SCALE: 1:20,000
 LATITUDE: 18-12-50N
 LONGITUDE: 067-05-18W
 COMMODITY INFORMATION
 COMMODITIES: STN1 (?)
 ORE MATERIAL: AGGREGATE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES
 STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED, VOLCANICLASTIC**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: MIXED SEDIMENTARY AND VOLCANICLASTIC ROCKS
 HOST ROCK AGE: CRET
 FORMATION NAME: YAUCO FORMATION
 FORMATION AGE: CRET
 REFERENCE: CURET, 1986.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00831**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; CARONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL WORKINGS

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: ROSARIO, 1964
SCALE: 1:20,000
LATITUDE: 18-08-30N LONGITUDE: 067-05-15W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M STATUS: 7
OWNER: ELA
OPERATOR: CARLOS BINET MARQUEZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, BEDDED SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM
HOST ROCK AGE: HOLO
AGE OF MINERALIZATION: HOLO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: CURET, 1986.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00768**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ALLEN, M.S.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: CANTERA LAS LOMAS'S AGGREGATE WORKINGS

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: ROSARIO, 1964
SCALE: 1:20,000
LATITUDE: 18-11-52N LONGITUDE: 067-07-22W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: BASALTIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: CANTERA LAS LOMAS

OPERATOR: CANTERA LAS LOMAS

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BASALT, VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: MASSIVE BASALT, SPILITE

HOST ROCK AGE: CRET-JUR

GEOLOGIC COMMENTS: UNIT KJSP.PRODUCTION COMMENTS: MAXIMUM AMOUNT
OF PRODUCTION PERMITTED PER DAY IS 200 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: CURET, 1986.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00769**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; CARBONARO, M.M.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: ROSARIO, 1964

SCALE: 1:20,000

LATITUDE: 18-08-00N

LONGITUDE: 067-06-00W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: CARLOS BINET MARQUEZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, BEDDED SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: HOLO

AGE OF MINERALIZATION: HOLO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: CURET, 1986.

SABANA GRANDE QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00793

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: SABANA GRANDE, 1966
SCALE: 1:20,000
LATITUDE: 18-04-00N LONGITUDE: 066-58-35W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 7
OWNER: ELA
OPERATOR: GRAVERO MAYAGUEZANO, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 1,000 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD TC00794

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED AGGREGATE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: SABANA GRANDE, 1966
SCALE: 1:20,000
LATITUDE: 18-05-45N LONGITUDE: 066-56-30W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN STONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES
OWNER: MANUEL J. PAGAN
OPERATOR: MANUEL J. PAGAN
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **UNKNOWN**
WORKINGS: SURFACE
PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 375 CUBIC METERS PER DAY.
REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

SALINAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00702

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 90 08
UPDATER: KIBBE, R.D.; PAGE, N.J
UPDATED: 91 08

AFFILIATION: USGS

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SALINAS, 1982

SCALE: 1:20,000

LATITUDE: 17-58-20N

LONGITUDE: 066-18-20W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 6

OWNER: ELA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY, ALLUVIAL**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: UNCONSOLIDATED SAND, SILT, CLAY, AND GRAVEL

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 500 CUBIC METERS.

REFERENCE: GLOVER, 1961B.

REFERENCE 2: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING
PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00703**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; PAGE, N.J
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **LAS AMERICAS DEVELOPMENT'S SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: SALINAS, 1982
SCALE: 1:20,000
LATITUDE: 17-58-20N LONGITUDE: 066-18-10W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L STATUS: 7
OWNER: LAS AMERICAS DEVELOP.
OPERATOR: LAS AMERICAS DEVELOP.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY, ALLUVIAL**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: UNCONSOLIDATED SAND, SILT, CLAY, AND GRAVEL
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 600 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

SAN GERMAN QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00948**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: SAN GERMAN
SCALE: 1:20,000
LATITUDE: 18-05-03N LONGITUDE: 067-06-24W

COMMODITY INFORMATION

COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: CALCAREOUS SILTSTONE, TUFF, CONGLOMERATE, ARGILLACEOUS
LIMESTONE

HOST ROCK AGE: LCRET
FORMATION NAME: YAUCO FORMATION
AGE OF MINERALIZATION: LCRET

FORMATION AGE: LCRET

REFERENCE: VOLCKMANN, 1984B.

MINERAL RESOURCES DATA SYSTEM RECORD **W701131**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEINS**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: SAN GERMAN
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-04-30N

LONGITUDE: 067-05-00W

COMMODITY INFORMATION

COMMODITIES: BA
ORE MATERIAL: BARITE
EXPLORATION AND DEVELOPMENT
PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**
DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: LAVA OR LAVA BRECCIA
HOST ROCK AGE: LCRET
REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701132**

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED BARITE VEINS**

COMMODITY TYPE: METALLIC/NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN GERMAN

SCALE: 1:20,000

LATITUDE: 18-02-50N

LONGITUDE: 067-06-25W

COMMODITY INFORMATION

COMMODITIES: BA

ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK: LAVA OR LAVA BRECCIA

HOST ROCK AGE: LCRET

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **W701133**

REPORTER: PAIDAKOVICH, MATT

REPORTED: 90 01

AFFILIATION: USGS

SITE NAME: **UNNAMED GYPSUM VEINS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN GERMAN

SCALE: 1:20,000

LATITUDE: 18-02-53N

LONGITUDE: 067-04-56W

COMMODITY INFORMATION

COMMODITIES: GYP

ORE MATERIAL: GYPSUM

EXPLORATION AND DEVELOPMENT

PRODUCTION? U

STATUS:

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VEINS OR SHEAR ZONES**

DEPOSIT SIZE: S

GEOLOGY

HOST ROCK AGE: LCRET

REFERENCE: COX AND BRIGGS, 1973.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00771**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; AND PAGE, N.J
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN GERMAN, 1966

SCALE: 1:20,000

LATITUDE: 18-05-01N

LONGITUDE: 067-06-30W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: WALDEMAR BRAVO Y EUNICE MONAGAS

OPERATOR: CANTERA BRAVO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ARGILLACEOUS LIMESTONE, CALCAREOUS SILTSTONE, TUFF,
CONGLOMERATE

HOST ROCK AGE: LCRET

FORMATION NAME: YAUCO FORMATION

FORMATION AGE: LCRET

AGE OF MINERALIZATION: LCRET

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: VOLCKMANN, 1984B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00772**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; PAGE, N.J
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN GERMAN, 1966

SCALE: 1:20,000

LATITUDE: 18-04-41N

LONGITUDE: 067-00-51W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL
EXPLORATION AND DEVELOPMENT
PRODUCTION? M STATUS: 7
OWNER: ELA
OPERATOR: GRAVERO MAYAGUEZANO
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY, ALLUVIAL**
DEPOSIT FORM: TABULAR, LENTICULAR
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: ALLUVIAL CLAY, SILT, SAND, AND GRAVEL
HOST ROCK AGE: PLEIS-HOLO
FORMATION NAME: FORMATION AGE:
AGE OF MINERALIZATION: PLEIS-HOLO
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 1000 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: VOLCKMANN, 1984B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00773**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 07 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **SABANA GRANDE AGGREGATES' SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN GERMAN, 1966

SCALE: 1:20,000

LATITUDE: 18-04-25N

LONGITUDE: 067-00-10W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: ELA

OPERATOR: SABANA GRANDE AGGREGATES, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 750 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

SAN JUAN QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01212

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SILTSTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: SAN JUAN
SCALE: 1:20,000
LATITUDE: 18-22-50N LONGITUDE: 066-07-11W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE
HOST ROCK AGE: EO
FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO
REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD TC01213

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SILTSTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: SAN JUAN
SCALE: 1:20,000
LATITUDE: 18-22-39N LONGITUDE: 066-07-22W

COMMODITY INFORMATION

COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

HOST ROCK: SILTSTONE
HOST ROCK AGE: EO
FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO
GEOLOGIC COMMENTS: UNIT TR.
REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD TC01214

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SILTSTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: SAN JUAN

SCALE: 1:20,000

LATITUDE: 18-22-48N LONGITUDE: 066-02-21W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: EO

FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO

REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD TC01215

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SILTSTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO

QUADRANGLE: SAN JUAN

SCALE: 1:20,000

LATITUDE: 18-22-42N LONGITUDE: 066-02-04W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: EO

FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO

REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01216**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN JUAN

SCALE: 1:20,000

LATITUDE: 18-22-42N

LONGITUDE: 066-01-57W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: EO

FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO

REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01217**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN JUAN

SCALE: 1:20,000

LATITUDE: 18-22-48N LONGITUDE: 066-01-56W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN SILTSTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: SILTSTONE
HOST ROCK AGE: EO
FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO
REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01218**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN JUAN

SCALE: 1:20,000

LATITUDE: 18-22-56N

LONGITUDE: 066-01-39W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: EO

FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO

REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01219**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: SAN JUAN
SCALE: 1:20,000
LATITUDE: 18-22-57N
COUNTRY: PUERTO RICO
LONGITUDE: 066-01-17W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN SILTSTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: SILTSTONE
HOST ROCK AGE: EO
FORMATION NAME: RIO PIEDRAS FORMATION
FORMATION AGE: EO
REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01220**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11
AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: SAN JUAN
SCALE: 1:20,000
LATITUDE: 18-23-19N
COUNTRY: PUERTO RICO
LONGITUDE: 066-00-25W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN SILTSTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: SILTSTONE
HOST ROCK AGE: EO
FORMATION NAME: RIO PIEDRAS FORMATION
FORMATION AGE: EO
REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01221**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN JUAN

SCALE: 1:20,000

LATITUDE: 18-23-29N

LONGITUDE: 066-00-59W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: EO

FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO

REFERENCE: PEASE AND MONROE, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01222**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILTSTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SAN JUAN

SCALE: 1:20,000

LATITUDE: 18-23-28N

LONGITUDE: 066-01-20W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN SILTSTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SILTSTONE

HOST ROCK AGE: EO

FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO

REFERENCE: PEASE AND MONROE, 1977.

SANTA ISABEL QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00927

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SANTA ISABEL

SCALE: 1:20,000

LATITUDE: 17-58-43N

LONGITUDE: 066-24-53W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL GRAVEL

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

REFERENCE: GLOVER AND OTHERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD TC00928

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SANTA ISABEL

SCALE: 1:20,000

LATITUDE: 17-58-06N

LONGITUDE: 066-24-51W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL GRAVEL
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT
REFERENCE: GLOVER AND OTHERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00929**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SANTA ISABEL

SCALE: 1:20,000

LATITUDE: 17-59-33N

LONGITUDE: 066-24-34W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVAL GRAVEL

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

REFERENCE: GLOVER AND OTHERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00930**

REPORTER: CARBONARO, MARGUERITE M. (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SANTA ISABEL

SCALE: 1:20,000

LATITUDE: 17-59-57N

LONGITUDE: 066-24-10W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL GRAVEL

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

REFERENCE: GLOVER AND OTHERS, 1977.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00751**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; CARONARO, M.M.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: SANTA ISABEL, 1982

SCALE: 1:20,000

LATITUDE: 17-59-50N

LONGITUDE: 066-23-10W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: EMILIO JOSE VENEGAS

OPERATOR: EMILIO JOSE VENEGAS

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: PLEIS-HOLO

AGE OF MINERALIZATION: PLEIS-HOLO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: GLOVER AND OTHERS, 1977.

UTUADO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01207**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: UTUADO
SCALE: 1:20,000
LATITUDE: 18-15-15N LONGITUDE: 066-43-23W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: RIVER GRAVEL, TERRACE GRAVEL

HOST ROCK AGE: QUAT

REFERENCE: NELSON, 1967B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01208**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: UTUADO
SCALE: 1:20,000
LATITUDE: 18-17-02N LONGITUDE: 066-42-14W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: RIVER GRAVEL, TERRACE GRAVEL

HOST ROCK AGE: QUAT
REFERENCE: NELSON, 1967B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01209**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL PIT**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: UTUADO

SCALE: 1:20,000

LATITUDE: 18-18-13N

LONGITUDE: 066-41-45W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: RIVER GRAVEL, TERRACE GRAVEL

HOST ROCK AGE: QUAT

REFERENCE: NELSON, 1967B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01210**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED TUFF QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: UTUADO

SCALE: 1:20,000

LATITUDE: 18-18-19N

LONGITUDE: 066-41-55W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **VOLCANIC**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: VOLCANIC TUFF

HOST ROCK AGE: LCRET

FORMATION NAME: TETUAN FORMATION

FORMATION AGE: LCRET

REFERENCE: NELSON, 1967B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01211**

REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: UTUADO

SCALE: 1:20,000

LATITUDE: 18-17-35N

LONGITUDE: 066-44-24W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: BROKEN LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: QUAT

REFERENCE: NELSON, 1967B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00744**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **SALVA CONCRETE'S SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: UTUADO, 1957

SCALE: 1:20,000

LATITUDE: 18-18-30N

LONGITUDE: 066-41-00W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: SALVA CONCRETE, INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL?**

WORKINGS: SURFACE

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 250 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

VEGA ALTA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC01152**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA

SCALE: 1:20,000

LATITUDE: 18-28-38N

LONGITUDE: 066-15-53W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 4

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

DEPOSIT SIZE: S

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: CAMUY (?)

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01153**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **FOSO DE PRESTAMO QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA

SCALE: 1:20,000

LATITUDE: 18-28-52N

LONGITUDE: 066-19-58W

COMMODITY INFORMATION

COMMODITIES: STN1

ORE MATERIAL: CRUSHED/BROKEN LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **BEDDED, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: CAMUY (?)

FORMATION AGE: MIO

AGE OF MINERALIZATION: MIO

REFERENCE: MONROE, 1963B.

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MINERAL RESOURCES DATA SYSTEM RECORD **TC01154**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA

SCALE: 1:20,000

LATITUDE: 18-22-44N

LONGITUDE: 066-15-04W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 6

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: SAND, GRAVEL, CLAY, BOULDERS

HOST ROCK AGE: QUAT-HOLO

AGE OF MINERALIZATION: QUAT-HOLO
REFERENCE: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC01155**

REPORTER: CARBONARO, MARGUERITE (BLISS, JAMES D.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILICA SAND**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA

SCALE: 1:20,000

LATITUDE: 18-27-17N

LONGITUDE: 066-19-35W

COMMODITY INFORMATION

COMMODITIES: SIL

ORE MATERIAL: QUARTZ SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? N

STATUS: 2

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ELLUVIAL DUNE SAND**

DEPOSIT FORM: TABULAR

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: BEACH SAND DUNES

HOST ROCK AGE: QUAT-HOLO

AGE OF MINERALIZATION: HOLO

RESERVES/RESOURCES: GLASS SAND ACC 3,000,000 CUBIC M 1963

RESERVES: GLASS SAND ACC 3,000,000 CUBIC M 1963

RESOURCES: GLASS SAND ACC 3,000,000 CUBIC M 1963

UNKNOWN28: RESERVES FOR THE LOW HILLS SOUTH OF CIENAGA PRIETA.

REFERENCE: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00704**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **SAN JUAN CEMENT CO.'S SAND AND GRAVEL WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA, 1969

SCALE: 1:20,000

LATITUDE: 18-23-30N

LONGITUDE: 066-17-45W

COMMODITY INFORMATION

COMMODITIES: SDG? STN1?

ORE MATERIAL: LIMESTONE, SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: SAN JUAN CEMENT CO. INC.

OPERATOR: SAN JUAN CEMENT CO. INC.

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 2300 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00705**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE WORKINGS**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA, 1969

SCALE: 1:20,000

LATITUDE: 18-25-35N

LONGITUDE: 066-15-10W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: NORMA NEVAREZ DE COLBERG Y/O JORGE NEVAREZ

OPERATOR: NORMA NEVAREZ DE COLBERG Y/O JORGE NEVAREZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: TERT?

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00706**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 90 08 AFFILIATION: USGS
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SAND AND GRAVEL OPERATION

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: DORADO

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: VEGA ALTA, 1969
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-25-40N

LONGITUDE: 066-15-35W

COMMODITY INFORMATION

COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M
OWNER: ELA
OPERATOR: ANGEL L. BERMUDEZ

STATUS: 7

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM
HOST ROCK AGE: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 400 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00707**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 06 AFFILIATION: PRDNR
UPDATER: ORRIS, G.J.
UPDATED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO
QUADRANGLE: VEGA ALTA, 1969
SCALE: 1:20,000

COUNTRY: PUERTO RICO

LATITUDE: 18-25-55N

LONGITUDE: 066-20-25W

COMMODITY INFORMATION

COMMODITIES: LST

ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? L STATUS: 7
OWNER: AMANDA AGUILES VDA. LOPEZ
OPERATOR: AMANDA AGUILES VDA. LOPEZ
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **SEDIMENTARY**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: CRYSTALLINE LIMESTONE, CLAYEY LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AGUADA LIMESTONE FORMATION AGE: MIO
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO
AGE OF MINERALIZATION: MIO
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 1500 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00812**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SILICA SAND MINE**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: VEGA ALTA, 1969
SCALE: 1:20,000
LATITUDE: 18-27-15N LONGITUDE: 066-19-45W
COMMODITY INFORMATION
COMMODITIES: SIL
ORE MATERIAL: SILICA SAND
EXPLORATION AND DEVELOPMENT
PRODUCTION? S STATUS: 7
OWNER: AUTORIDAD DE TERRENOS
OPERATOR: GUARAGUAO SAND AND GRAVEL
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **ELLUVIAL, RESIDUAL, ALLUVIAL**
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: SAND
HOST ROCK AGE: QUAT
FORMATION NAME: FORMATION AGE:
AGE OF MINERALIZATION: QUAT
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 250 CUBIC METERS.
RESERVES/RESOURCES: SIL SAND EST 3,000,000 CUBIC M 1963 UNKNOWN
RESERVES: SIL SAND EST 3,000,000 CUBIC M 1963 UNKNOWN

RESOURCES: SIL SAND EST 3,000,000 CUBIC M 1963 UNKNOWN
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00818**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **EMPRESAS TERRASSA'S SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA, 1969

SCALE: 1:20,000

LATITUDE: 18-27-00N

LONGITUDE: 066-19-30W

COMMODITY INFORMATION

COMMODITIES: SDG? LST? STN1?

ORE MATERIAL: LIMESTONE, SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: EMPRESAS TERRASSA

OPERATOR: EMPRESAS TERRASSA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: LIMESTONE

HOST ROCK AGE: MIO

FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: MIO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 1000 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00826**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 06 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **PRODUCTOS AGREGADOS DE GURABO'S SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA, 1969

SCALE: 1:20,000

LATITUDE: 18-25-20N

LONGITUDE: 066-16-10W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: PRODUCTOS AGREGADOS DE GURABO

OPERATOR: PRODUCTOS AGREGADOS DE GURABO

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM

HOST ROCK AGE: QUAT

FORMATION NAME:

FORMATION AGE:

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00827**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 05

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL MINE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA, 1969

SCALE: 1:20,000

LATITUDE: 18-25-20N

LONGITUDE: 066-16-00W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: JANSON/ALBERTO COLBERG

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SEDIMENT

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 400 CUBIC METERS.
REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.
REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00708**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 90 08 AFFILIATION: USGS
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL MINE**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA, 1969; NARANJITO, 1982; BAYAMON, 1982; CORAZAL, 1972

SCALE: 1:20,000

LATITUDE: 18-22-35N

LONGITUDE: 066-15-10W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? M

STATUS: 7

OWNER: ELA

OPERATOR: INVERSIONES DEL TOA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SEDIMENT

HOST ROCK AGE: QUAT

AGE OF MINERALIZATION: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 700 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991

REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00709**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL LOCATION**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: VEGA ALTA, 1969; NARANJITO, 1982; BAYAMON, 1982; CORAZAL, 1972

SCALE: 1:20,000

LATITUDE: 18-22-32N

LONGITUDE: 066-15-03W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 7

OWNER: RAFAEL MORALES RODZ.

OPERATOR: INVERSIONES DEL TOA

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **SEDIMENTARY, ALLUVIAL**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIAL SEDIMENT

HOST ROCK AGE: QUAT

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 400 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: MONROE, 1963B.

YABUCOA AND PUNTA TUNA QUADRANGLES

MINERAL RESOURCES DATA SYSTEM RECORD TC01191

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)

REPORTED: 91 11

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: MUNICIPIO DE MAUNABO

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: YABUCOA AND PUNTA TUNA

SCALE: 1:20,000

LATITUDE: 18-00-33N

LONGITUDE: 065-55-09W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: GRAVEL AGGREGATE

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 8

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL**

WORKINGS: SURFACE

HOST ROCK: GRAVEL
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT
REFERENCE: ROGERS AND OTHERS, 1979.

REPORTER: CARBONARO, MARGUERITE (STAUDE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS/CIMRI

COMMODITY TYPE: NONMETALLIC
UNKNOWN1: MUNICIPIO DE YABUCOA
LOCATION INFORMATION

COUNTRY: PUERTO RICO

QUADRANGLE: YABUCOA AND PUNTA TUNA

SCALE: 1:20,000

LATITUDE: 18-04-14N

LONGITUDE: 065-53-19W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? S

STATUS: 8

DEPOSIT DESCRIPTION

DEPOSIT TYPE: ALLUVIAL

WORKINGS: SURFACE

HOST ROCK: GRAVEL
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT
REFERENCE: ROGERS AND OTHERS, 1979.

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
 REPORTED: 91 07 AFFILIATION: PRDNR
 UPDATER: KIBBE, R.D.; CARBONARO, M.M.
 UPDATED: 91 08 AFFILIATION: USGS

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: YABUCOA, 1982

SCALE: 1:20.000

LATITUDE: 18-03-15N

LONGITUDE: 065-54-50W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: ELA

OPERATOR: JOSE A. JURADO ORTIZ

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM, FANGLOMERATE

HOST ROCK AGE: PLEIS-HOLO

AGE OF MINERALIZATION: PLEIS-HOLO

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM
EXTRACTION OF 150 CUBIC METERS PER DAY.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL REOURCES, 1991.

REFERENCE 2: ROGERS AND OTHERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00743**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE

REPORTED: 91 06

AFFILIATION: PRDNR

UPDATER: KIBBE, R.D.; ORRIS, G.J.

UPDATED: 91 08

AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: YABUCOA, 1982

SCALE: 1:20,000

LATITUDE: 18-00-30N

LONGITUDE: 065-56-30W

COMMODITY INFORMATION

COMMODITIES: STN1 LST?

ORE MATERIAL: AGGREGATE, LIMESTONE

EXPLORATION AND DEVELOPMENT

PRODUCTION? L

STATUS: 6

OWNER: PEDRO TORRES ORTIZ

OPERATOR: DERBY BERNIER PAGAN

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **UNKNOWN**

WORKINGS: SURFACE

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER
DAY IS 700 CUBIC METERS.

REFERENCE: FILES OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS
OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: ROGERS AND OTHERS, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00828**

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 09 AFFILIATION: USGS
UPDATER: KIBBE, R.D., AND CARBONARO, M.M.
UPDATED: 91 08 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED SAND AND GRAVEL QUARRY**

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: YABUCOA, 1982

SCALE: 1:20,000

LATITUDE: 18-04-55N

LONGITUDE: 065-53-50W

COMMODITY INFORMATION

COMMODITIES: SDG

ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT

PRODUCTION? YES

STATUS: 7

OWNER: COMMONWEALTH OF PUERTO RICO

OPERATOR: MANUEL VAZQUEZ REYES

DEPOSIT DESCRIPTION

DEPOSIT TYPE: **ALLUVIAL, SEDIMENTARY**

WORKINGS: SURFACE

GEOLOGY

HOST ROCK: ALLUVIUM, FANGLOMERATE

HOST ROCK AGE: PLEIS-HOLO

AGE OF MINERALIZATION: PLEIS-HOLO

PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 200 CUBIC METERS.

REFERENCE: RECORDS OF THE CORTEZA TERRESTRE (SURFACE MINING PERMITS OFFICE), PUERTO RICO DEPARTMENT OF NATURAL RESOURCES, 1991.

REFERENCE 2: ROGERS AND OTHERS, 1979.

YAUCO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD **TC00943**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: MUNICIPIO DE GUANICA

LOCATION INFORMATION

STATE: PUERTO RICO

COUNTRY: PUERTO RICO

QUADRANGLE: YAUCO

SCALE: 1:20,000

LATITUDE: 18-00-25N LONGITUDE: 066-52-14W
 COMMODITY INFORMATION
 COMMODITIES: LST STN1(?)
 ORE MATERIAL: LIMESTONE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **BEDDED, SEDIMENTARY**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: LIMESTONE
 HOST ROCK AGE: CRET
 FORMATION NAME: PARGUERA LIMESTONE FORMATION AGE: CRET
 AGE OF MINERALIZATION: CRET
 REFERENCE: KRUSHENSKY AND MONROE, 1979.

MINERAL RESOURCES DATA SYSTEM RECORD **TC00944**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE, H.A.)
 REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: **UNIDENTIFIED STONE QUARRY**

COMMODITY TYPE: NONMETALLIC
 UNKNOWN1: MUNICIPIO DE YAUCO
 LOCATION INFORMATION
 STATE: PUERTO RICO COUNTRY: PUERTO RICO
 QUADRANGLE: YAUCO
 SCALE: 1:20,000
 LATITUDE: 18-06-13N LONGITUDE: 066-51-36W
 COMMODITY INFORMATION
 COMMODITIES: STN1
 ORE MATERIAL: SILTSTONE - CLAYSTONE
 EXPLORATION AND DEVELOPMENT
 PRODUCTION? YES STATUS: 6
 DEPOSIT DESCRIPTION
 DEPOSIT TYPE: **SEDIMENTARY**
 WORKINGS: SURFACE
 GEOLOGY
 HOST ROCK: CALCAREOUS SILTSTONE AND CLAYSTONE
 HOST ROCK AGE: CRET
 FORMATION NAME: YAUCO FORMATION FORMATION AGE: CRET
 AGE OF MINERALIZATION: CRET
 REFERENCE: KRUSHENSKY AND MONROE, 1979.

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