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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.
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.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Commodity</th>
<th>Code</th>
<th>Commodity</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL3</td>
<td>alunite</td>
<td>DOL</td>
<td>dolomite (general; see carbonates, stone,</td>
</tr>
<tr>
<td>AMB</td>
<td>amber</td>
<td>DOL1</td>
<td>ultra pure dolomite (MgCO3 CaCO3 &gt; 97%)</td>
</tr>
<tr>
<td>GYP</td>
<td>anhydrite, gypsum</td>
<td>DOL2</td>
<td>high magnesian dolomite (MgCO3 CaCO3 &gt; 95%)</td>
</tr>
<tr>
<td>ASB</td>
<td>asbestos</td>
<td>EMY</td>
<td>emery</td>
</tr>
<tr>
<td>---</td>
<td>ash (see volc. mat.)</td>
<td>EVA</td>
<td>evaporites (see brine, sodium, halite)</td>
</tr>
<tr>
<td>CLY4</td>
<td>ball clay</td>
<td>BLD</td>
<td>feldspar</td>
</tr>
<tr>
<td>BA</td>
<td>barium, barite</td>
<td>CLY5</td>
<td>fire clay (refractory)</td>
</tr>
<tr>
<td>CLY1</td>
<td>bentonite</td>
<td>F</td>
<td>fluorine, fluorsite</td>
</tr>
<tr>
<td>CLY6</td>
<td>bloating material (includes clay, shale, slate)</td>
<td>CLY2</td>
<td>fuller's earth</td>
</tr>
<tr>
<td>B</td>
<td>boron-borate</td>
<td>CLY3</td>
<td>kaolin or kaolin clay (includes high alumina clay)</td>
</tr>
<tr>
<td>BRI</td>
<td>brines, salines (see evaporites, sodium, halite)</td>
<td>CLY4</td>
<td>ball clay</td>
</tr>
<tr>
<td>MG</td>
<td>brucite (see magnesium)</td>
<td>DOL1</td>
<td>ultra pure dolomite (MgCO3 CaCO3 &gt; 97%)</td>
</tr>
<tr>
<td>STN2</td>
<td>building stone (see stone)</td>
<td>DOL2</td>
<td>high magnesian dolomite (MgCO3 CaCO3 &gt; 95%)</td>
</tr>
<tr>
<td>CA</td>
<td>calcium (see carbonates, limestone, marble, stone)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>carbon</td>
<td>CER</td>
<td>cement rock (natural)</td>
</tr>
<tr>
<td>CAR</td>
<td>carbonates (see calcium, dolomite, limestone, marble, marl, shell,)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CER</td>
<td>cement rock (natural)</td>
<td>---</td>
<td>cinders (see volc. mat.)</td>
</tr>
<tr>
<td>CLY1</td>
<td>clay (general)</td>
<td>EMM</td>
<td>emery</td>
</tr>
<tr>
<td>CLY2</td>
<td>fuller's earth</td>
<td>F</td>
<td>fluorine, fluorite</td>
</tr>
<tr>
<td>CLY3</td>
<td>kaolin or kaolinic clay</td>
<td>STN2</td>
<td>dimension stone (see stone)</td>
</tr>
<tr>
<td>CLY4</td>
<td>ball clay</td>
<td>C</td>
<td>carbon</td>
</tr>
<tr>
<td>CLY5</td>
<td>fire clay (refractory)</td>
<td>D</td>
<td>diamon</td>
</tr>
<tr>
<td>CLY6</td>
<td>bloating mat. (clay, shale, slate)</td>
<td>DIT</td>
<td>diatomite</td>
</tr>
<tr>
<td>CLY7</td>
<td>common brick clay</td>
<td>D</td>
<td>diamon</td>
</tr>
<tr>
<td>Co</td>
<td>cobalt</td>
<td>DIT</td>
<td>diatomite</td>
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<tr>
<td>COR</td>
<td>corundum</td>
<td>DIA</td>
<td>diamond</td>
</tr>
<tr>
<td>CY</td>
<td>cryolite</td>
<td>DIT</td>
<td>diatomite</td>
</tr>
<tr>
<td>DIA</td>
<td>diamond</td>
<td>DIT</td>
<td>diatomite</td>
</tr>
<tr>
<td>DIT</td>
<td>diatomite</td>
<td>LST1</td>
<td>ultra pure limestone (CaCO3 &gt; 97%)</td>
</tr>
<tr>
<td>LST2</td>
<td>high calcium limestone (CaCO3 &gt; 95%)</td>
<td>DIT</td>
<td>diatomite</td>
</tr>
<tr>
<td>LST3</td>
<td>lightweight aggregate (see bloating material under clay, vermiculite, perlite, pumice, stone)</td>
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</table>
Table 1. MRDS commodity codes for industrial minerals and materials. -- Continued.

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<th>Code</th>
<th>Commodity</th>
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<tr>
<td>MGS</td>
<td>magnesite</td>
<td>SDG</td>
<td>sand and gravel</td>
</tr>
<tr>
<td>MG</td>
<td>magnesium (includes brucite)(see carbonate, dolomite, limestone, magnesium)</td>
<td>SAM</td>
<td>sand, molding</td>
</tr>
<tr>
<td>MBL</td>
<td>marble (see also carbonates, dolomite, limestone, magnesium, stone)</td>
<td>SST</td>
<td>sandstone (see silica, stone, quartzite)</td>
</tr>
<tr>
<td>MIC</td>
<td>mica (gen.)</td>
<td>SAP</td>
<td>saprolite</td>
</tr>
<tr>
<td>MIC1</td>
<td>sheet mica</td>
<td>SHL</td>
<td>shale</td>
</tr>
<tr>
<td>MIC2</td>
<td>scrap mica</td>
<td>SIL</td>
<td>silica (see also quartz, quartzite, sandstone)</td>
</tr>
<tr>
<td>MIC3</td>
<td>flake mica</td>
<td>SLA</td>
<td>slate (see stone)</td>
</tr>
<tr>
<td>MPG</td>
<td>mineral pigments</td>
<td>NA</td>
<td>sodium</td>
</tr>
<tr>
<td>MON</td>
<td>monazite</td>
<td>STN</td>
<td>stone</td>
</tr>
<tr>
<td>N</td>
<td>nitrogen</td>
<td>STN1</td>
<td>crushed/broken stone material (includes road metal, riprap, scoria, slag, clinker, baked clay, red dog)</td>
</tr>
<tr>
<td>OLV</td>
<td>olivine</td>
<td>STN2</td>
<td>dimension or building stone (see also calcium, carbonates, dolomites, limestone)</td>
</tr>
<tr>
<td>PER</td>
<td>perlite</td>
<td>SR</td>
<td>strontium</td>
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<tr>
<td>P</td>
<td>phosphorus-phosphates</td>
<td>S</td>
<td>sulfur</td>
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<tr>
<td>K</td>
<td>potassium</td>
<td>SLF</td>
<td>sulfuric acid</td>
</tr>
<tr>
<td>PUM</td>
<td>pumice</td>
<td>TLC</td>
<td>talc, soapstone</td>
</tr>
<tr>
<td>PYR</td>
<td>pyrite</td>
<td>VRM</td>
<td>vermiculite</td>
</tr>
<tr>
<td>PYR1</td>
<td>pyrrhotite</td>
<td>VOL</td>
<td>volcanic materials (ash, cinders)</td>
</tr>
<tr>
<td>PYF</td>
<td>pyrophyllite</td>
<td>WOL</td>
<td>wollastonite</td>
</tr>
<tr>
<td>QTZ</td>
<td>quartz (see also sandstone, silica)</td>
<td>YT</td>
<td>yttrium</td>
</tr>
<tr>
<td>RAE</td>
<td>rare earths</td>
<td>ZEO</td>
<td>zeolites</td>
</tr>
<tr>
<td>REF</td>
<td>refractory materials</td>
<td>ZR</td>
<td>zirconium</td>
</tr>
<tr>
<td>BRI</td>
<td>salines (see brines)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>salt (see brines, salines, sodium, halite)</td>
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Table 2. MRDS deposit types and deposit forms/shapes.

**Deposit Types**

<table>
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<tr>
<th>Bedded</th>
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<td>Carbonatites</td>
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<tr>
<td>Chemical sediment (except evaporites)</td>
<td>Pegmatite</td>
</tr>
<tr>
<td>Clastic sedimentary rock</td>
<td>Pipe</td>
</tr>
<tr>
<td>Collapse Breccia</td>
<td>Placer</td>
</tr>
<tr>
<td>Concordant intrusive</td>
<td>Porphyry</td>
</tr>
<tr>
<td>Concordant volcanic</td>
<td>Replacement</td>
</tr>
<tr>
<td>Contact metasomatic</td>
<td>Shear zone</td>
</tr>
<tr>
<td>Disseminated</td>
<td>Skarn</td>
</tr>
<tr>
<td>Evaporites</td>
<td>Stockwork</td>
</tr>
<tr>
<td>Gossan</td>
<td>Stratiform</td>
</tr>
<tr>
<td>Greisen</td>
<td>Unconsolidated sediments</td>
</tr>
<tr>
<td>Laterite</td>
<td>Veins</td>
</tr>
<tr>
<td>Lode--use vein if possible</td>
<td>Weathered residual</td>
</tr>
<tr>
<td>Massive chromite</td>
<td><strong>ALSO:</strong></td>
</tr>
<tr>
<td>Massive sulfide</td>
<td>Insufficient data to classify</td>
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<tr>
<td>Metamorphic</td>
<td>Too complex to classify</td>
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<tr>
<td>Metamorphic stratiform</td>
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**Deposit Forms and (or) Shapes**

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<th>Blanket</th>
<th>Pipe</th>
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<td>Pod</td>
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<tr>
<td>Lenses</td>
<td>Tabular</td>
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<tr>
<td>Linear</td>
<td>Undefined</td>
</tr>
<tr>
<td>Pinch and swell</td>
<td>Wedge</td>
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Table 3. MRDS geologic age codes.

<table>
<thead>
<tr>
<th>Code</th>
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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
QUADRANGLE: ADJUNTAS
SCALE: 1:20,000
LATITUDE: 18-10-23N
COUNTRY: PUERTO RICO
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

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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
QUADRANGLE: ADJUNTAS
SCALE: 1:20,000
LATITUDE: 18-13-07N
COUNTRY: PUERTO RICO
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:
AGE OF MINERALIZATION: LCRET-ETERT

AGUADILLA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TCO0956

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: 18-28-53N
COUNTRY: PUERTO RICO
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 TCO0957

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: 18-28-12N LONGITUDE: 067-07-42W

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.

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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 COUNTRY: PUERTO RICO
QUADRANGLE: AGUADILLA
SCALE: 1:20,000
LATITUDE: 18-27-42N LONGITUDE: 067-08-21W

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.

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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
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.

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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
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
QUADRANGLE: AGUADILLA
SCALE: 1:20,000
LATITUDE: 18-26-39N
LONGITUDE: 067-08-45W

COMMODITY INFORMATION
COMMODITIES: LST1

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
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
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.

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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.

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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
FORMATION AGE: OLIGO
REFERENCE: MONROE, 1969A.

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
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
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
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.

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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.

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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

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LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: AGUADILLA SCALE: 1:20,000
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 FORMATION AGE: OLIGO
AGE OF MINERALIZATION: OLIGO
REFERENCE: MONROE, 1969A.

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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 COUNTRY: PUERTO RICO
QUADRANGLE: AGUADILLA SCALE: 1:20,000
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 FORMATION AGE: OLIGO
AGE OF MINERALIZATION: OLIGO
REFERENCE: MONROE, 1969A.

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MINERAL RESOURCES DATA SYSTEM RECORD TCO0971

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.

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MINERAL RESOURCES DATA SYSTEM RECORD TCO0972

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.

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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  
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  
REFERENCE: MONROE, 1969A.

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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  
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

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

WORKINGS: SURFACE

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

REFERENCE: MONROE, 1969A.

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MINEAL 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

DEPOSIT DESCRIPTION
DEPOSIT TYPE: **SEDIMENTARY**?

WORKINGS: SURFACE

GEOLOGY
HOST ROCK: LANDSLIDE DEPOSITS
HOST ROCKAGE: HOLO
FORMATION NAME:

REFERENCE: MONROE, 1969A.

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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

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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.

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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.

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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
  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: CIABO FORMATION
  FORMATION AGE: OLIGO-MIO
  AGE OF MINERALIZATION: OLIGO-MIO

REFERENCE: MONROE, 1969A.

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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
  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 2: MONROE, 1969A.

MINERAL RESOURCES DATA SYSTEM RECORD TC00785

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05
UPDATER: KIBBE, R.D.; PAGE, N.J
UPDATED: 91 11

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
OWNER: VICTORIO MEDINA
OPERATOR: CANTERA MEDINA, INC.
STATUS: 7

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 2: MONROE, 1969A.
MINERAL RESOURCES DATA SYSTEM RECORD TC00786

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

SITE NAME: UNIDENTIFIED LIMESTONE WORKING

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: 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 2: MONROE, 1969A.

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AGUAS BUENAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01044

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

SITE NAME: UNIDENTIFIED SILTSTONE QUARRY

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: 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.

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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.

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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

GEOLGY
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.

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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

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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.

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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.

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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 TCO1050

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.

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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.

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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
GEOLGY
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.

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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
DEPOSIT DESCRIPTION
DEPOSIT TYPE: B EDDED, 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 L PROCOMIO SILTSTONE MEMBER OF THE GUAYNABO FORMATION.
REFERENCE: PEASE, 1968A.

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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
QUADRANGLE: AGUAS BUENAS
SCALE: 1:20,000
LATITUDE: 18-21-28N
LONGITUDE: 066-00-17W
COUNTRY: PUERTO RICO
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: BASALT AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
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.

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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.

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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.

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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**

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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.

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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**

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COUNTRY: PUERTO RICO
LONGITUDE: 066-00-19W

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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
STATUS: 6
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
FORMATION AGE: LCRET
REFERENCE: PEASE, 1968A.

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
COUNTRY: PUERTO RICO
QUADRANGLE: AGUAS BUENAS
SCALE: 1:20,000
LATITUDE: 18-20-16N
LONGITUDE: 066-00-40W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
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
FORMATION AGE: LCRET
REFERENCE: PEASE, 1968A.

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 COUNTRY: PUERTO RICO
QUADRANGLE: AGUAS BUENAS SCALE: 1:20,000
LATITUDE: 18-19-51N LONGITUDE: 066-01-09W
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: VOLCANIC AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
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 FORMATION AGE: LCRET
REFERENCE: PEASE, 1968A.

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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 COUNTRY: PUERTO RICO
QUADRANGLE: AGUAS BUENAS SCALE: 1:20,000
LATITUDE: 18-19-46N LONGITUDE: 066-02-42W
COMMODITY INFORMATION
COMMODITIES: STN1?
ORE MATERIAL: VOLCANIC AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6
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 FORMATION AGE: LCRET
REFERENCE: PEASE, 1968A.

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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.

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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
LATITUDE: 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

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
LATITUDE: 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 
REFERENCE 2: PEASE, 1968A.

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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 
REFERENCE 2: PEASE, 1968A.

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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
LATTITUDE: 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 2: PEASE, 1968A.

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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
LATTITUDE: 18-18-20N LONGITUDE: 066-04-00W

COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

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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 2: PEASE, 1968A.

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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 2: PEASE, 1968A.

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MINERAL RESOURCES DATA SYSTEM RECORD TCO0825

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.

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MINERAL RESOURCES DATA SYSTEM RECORD TCO0726

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
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 2: PEASE, 1968A.

ARICBO 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: SAN 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
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

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

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
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-29-02N
COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
DEPOSIT DESCRIPTION
DEPOSIT TYPE: EOLIAN SEDIMENTARY
DEPOSIT FORM: BLANKET
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: CEMENTED DUNES
HOST ROCK AGE: PLEIS
AGE OF MINERALIZATION: PLEIS

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
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-29-04N
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

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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

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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  
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  
FORMATION AGE: EMIO  
AGE OF MINERALIZATION: EMIO  

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MINERAL RESOURCES DATA SYSTEM RECORD TC01009  
REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)  
AFFILIATION: USGS/CIMRI  
SITE NAME: UNIDENTIFIED LIMESTONE QUARRY  
COMMODITY TYPE: NONMETALLIC  
LOCATION INFORMATION  
STATE: PUERTO RICO  
QUADRANGLE: ARECIBO  
SCALE: 1:20,000  
LATITUDE: 18-27-29N  
LONGITUDE: 066-44-18W  
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  
FORMATION AGE: EMIO  
AGE OF MINERALIZATION: EMIO  

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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
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

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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
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

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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
LONGITUDE: 066-43-32W

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: MID MIO
FORMATION NAME: CAMUY LIMESTONE
FORMATION AGE: MID MIO

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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
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

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

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
COUNTRY: PUERTO RICO
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-27-07N
LONGITUDE: 066-44-17W
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

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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
COUNTRY: PUERTO RICO
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-26-48N
LONGITUDE: 066-43-46W
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
MINERAL RESOURCES DATA SYSTEM RECORD TC01017

REPORTER: CARBONARO, MARGUERITE M. (PAG, 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

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MINERAL RESOURCES DATA SYSTEM RECORD TC01018

REPORTER: CARBONARO, MARGUERITE M. (PAG, 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

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

FORMATION AGE: MID MIO

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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
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-27-19N
COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
DEPOSIT DESCRIPTION
DEPOSIT TYPE: BEDDED, SEDIMENTARY
DEPOSIT FORM: TABULAR
WORKINGS: SURFACE
GEOLGY
HOST ROCK: LIMESTONE
FORMATION NAME: CAMUY LIMESTONE
AGE OF MINERALIZATION: MID MIO

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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
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-27-38N
COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT

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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: MID MIO
FORMATION NAME: CAMUY LIMESTONE
FORMATION AGE: MID MIO
AGE OF MINERALIZATION: MID MIO

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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  COUNTRY: PUERTO RICO
QUADRANGLE: ARECIBO  SCALE: 1:20,000
LATITUDE: 18-26-54N  LONGITUDE: 066-39-24W

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
FORMATION AGE: EMIO
AGE OF MINERALIZATION: 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  COUNTRY: PUERTO RICO
QUADRANGLE: ARECIBO  SCALE: 1:20,000
LATITUDE: 18-26-15N  LONGITUDE: 066-41-42W

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
FORMATION AGE: EMIO
AGE OF MINERALIZATION: EMIO

MINERAL RESOURCES DATA SYSTEM RECORD TC01024
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


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MINERAL RESOURCES DATA SYSTEM RECORD **TC01025**

REPORTER: CARBONARO, MARGUERITE M. (PAGE, N.J AND PIERCE H.A.)
AFFILIATION: USGS/CIMRI
STATE: PUERTO RICO  COUNTRY: PUERTO RICO
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-26-27N  LONGITUDE: 066-41-10W
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
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
AGE OF MINERALIZATION: EMIO

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
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-26-24N
COUNTRY: PUERTO RICO
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

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
QUADRANGLE: ARECIBO
SCALE: 1:20,000
LATITUDE: 18-26-56N
COUNTRY: PUERTO RICO
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

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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
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

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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
QUADRANGLE: ARECIBO, 1982
SCALE: 1:20,000
LATITUDE: 18°27'10"N
LONGITUDE: 66°37'45"W

COMMODITY INFORMATION
COMMODITIES: LST STN1
ORE MATERIAL: LIMESTONE, AGGREGATE

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
OWNER: MANUEL SANTOS RIVERA
OPERATOR: ANDRES CRUZ NEGRON

STATUS: 7

DEPOSIT DESCRIPTION
DEPOSIT TYPE: SEDIMENTARY, BEDDED
WORKINGS: SURFACE

GEOLOGY
HOST ROCK: LIMESTONE
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 TCO0747

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

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: ARECIBO, 1984
SCALE: 1:20,000
LATITUDE: 18°27'10"N
LONGITUDE: 066°39'40"W

COMMODITY INFORMATION
COMMODITIES: STN LST
ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT
PRODUCTION? L
OWNER: JUAN HERNANDEZ
OPERATOR: ANTONIO MARINA RIVERA

STATUS: 7

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 2: BRIGGS, 1968.

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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 2: BRIGGS, 1968.

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MINERAL RESOURCES DATA SYSTEM RECORD TC0097

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.

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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.

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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.

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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.

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MINERAL RESOURCES DATA SYSTEM RECORD TC0090

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.

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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

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.

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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.

MINERAL RESOURCES DATA SYSTEM RECORD TC00993

REPORTER: CARBONARO, MARGUERITE (PACE, 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: 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.

MINERAL RESOURCES DATA SYSTEM RECORD TC00994

REPORTER: CARBONARO, MARGUERITE (PACE, 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: BARCELONETA
SCALE: 1:20,000
LATITUDE: 18-27-40N
LONGITUDE: 066-36-24W
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: 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.

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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.

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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
QUADRANGLE: BARCELONETA
SCALE: 1:20,000
LATITUDE: 18-27-27N
COUNTRY: PUERTO RICO
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.

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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
QUADRANGLE: BARCELONETA
SCALE: 1:20,000
LATITUDE: 18-26-01N
COUNTRY: PUERTO RICO
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.

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
QUADRANGLE: BARCELONETA
SCALE: 1:20,000
LATITUDE: 18-29-03N
COUNTRY: PUERTO RICO
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.

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
QUADRANGLE: BARCELONETA
SCALE: 1:20,000
LATITUDE: 18-28-53N
COUNTRY: PUERTO RICO
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.

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
LATITUDE: 18-29-13N
LONGITUDE: 066-32-45W
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.

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
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.

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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
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.

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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
QUADRANGLE: BARCELONETA, 1982
SCALE: 1:20,000
LATITUDE: 18-27-30N
COUNTRY: PUERTO RICO

COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT
PRODUCTION? L
OWNER: AUTORIDAD DE TIERRAS
OPERATOR: ILDEFENSO VILLAR STGO
STATUS: 7

DEPOSIT DESCRIPTION
DEPOSIT TYPE: ALLUVIUM?
WORKINGS: SURFACE

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

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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
QUADRANGLE: BARRANQUITAS
SCALE: 1:20,000
LATITUDE: 18-12-07N
COUNTRY: PUERTO RICO

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

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

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: LCRT
FORMATION NAME: FORMATION L
FORMATION AGE: LCRT
AGE OF MINERALIZATION: LCRT

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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: LCRT
FORMATION NAME: ROBLES FORMATION
FORMATION AGE: LCRT
AGE OF MINERALIZATION: LCRT

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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

GEOLGY
HOST ROCK: CALCARENITE, CLAYEY AND CHALKY LIMESTONE
HOST ROCK AGE: MIO
FORMATION NAME: AGUADA LIMESTONE FORMATION AGE: MIO

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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
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
LATITUDE: 18-25-02N
LONGITUDE: 066-14-58W

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

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LATITUDE: 18-24-35N  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

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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
UNKNOWN 1: 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

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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
UNKNOWN: MUNICIPIO DE BAYAMON

LOCATION INFORMATION
STATE: 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

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
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
OWNER: PABLO MORALES COIRA
OPERATOR: PABLO MORALES COIRA
STATUS: 7

DEPOSIT DESCRIPTION
DEPOSIT TYPE: **SEDIMENTARY, ALLUVIAL**

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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.

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

**LOCATION INFORMATION**
- **State:** Puerto Rico
- **Quadrangle:** Bayamon, 1982
- **Scale:** 1:20,000
- **Latitude:** 18-27-00N
- **Longitude:** 066-09-35W

**Commodity Type:** Nonmetallic
**Unknown 1:** Catano

**Exploration and Development**
- **Production:** M
- **Owner:** Ela
- **Operator:** Jose Nieves Cruz

**Deposit Description**
- **Deposit Type:** Alluvial, Sedimentary

**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.
**Unknown 23:** Files of the Corteza Terrestre (Surface Mining Permits Office), Puerto Rico Department of Natural Resources, 1991.

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

**Commodity Type:** Nonmetallic
**Location Information**
- **State:** 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.

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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

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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
UNKNOWN 1: MUNICIPIO DE LAJAS

LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: CABO ROJO
SCALE: 1:20,000
LATITUDE: 17-59-40N
COUNTRY: PUERTO RICO
LONGITUDE: 067-06-30W

COMMODITY INFORMATION
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.

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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
LATITUDE: 17-58-50N
COUNTRY: PUERTO RICO
LONGITUDE: 067-08-10W

COMMODITY INFORMATION
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 EXTRATION OF 800 CUBIC METERS PER DAY.
REFERENCE 2: VOLCKMANN, 1984C.

CAGUAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00979

REPORTER: CARBONARO, MARGUERITE M. (STAUBE, JOHN-MARK G.)
REPORTED: 91 11 AFFILIATION: USGS, CIMRI
SITE NAME: RIO GRANDE DE LOIZA SAND WORKINGS
COMMODITY TYPE: NONMETALLIC
UNKNOWN 1: 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
MINERAL RESOURCES DATA SYSTEM RECORD TC00980

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

SITE NAME: RIO TURABO SAND QUARRY

COMMODITY TYPE: NONMETALLIC
UNKNOWN 1: MUNICIPIO DE CAGUAS
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: CAGUAS
SCALE: 1:20,000
LATITUDE: 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

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MINERAL RESOURCES DATA SYSTEM RECORD TC00981

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

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: METALLIC/NONMETALLIC
UNKNOWN 1: MUNICIPIO DE CAGUAS
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: CAGUAS
SCALE: 1:20,000
LATITUDE: 18-12-10N
LONGITUDE: 066-03-00W

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

MINERAL RESOURCES DATA SYSTEM RECORD TC00982

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

SITE NAME: BEATRIZ

COMMODITY TYPE: M
UNKNOWN 1: 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.

MINERAL RESOURCES DATA SYSTEM RECORD TC00983

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

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC
UNKNOWN 1: 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


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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


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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.

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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

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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 PER DAY IS 500 CUBIC METERS.

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: MARMORES PAONAZZO'S QUARRY
COMMODITY TYPE: NONMETALLIC
UNKNOWN 1: MUNICIPIO DE CAGUAS
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: CAGUAS, 1982 SCALE: 1:20,000
LATITUDE: 18-14-30N LONGITUDE: 066-04-55W
COMMODITY INFORMATION
COMMODITIES: MBL
ORE MATERIAL: MARBLE
EXPLORATION AND DEVELOPMENT
PRODUCTION? L STATUS: 7
OWNER: MARMORES PAONAZZO, INC.
OPERATOR: MARMORES PAONAZZO, INC.
DEPOSIT DESCRIPTION
DEPOSIT TYPE: CONTACT(?) METAMORPHIC
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: MARBLE
HOST ROCK AGE: CRET
FORMATION NAME: TORRECILLA BRECCIA FORMATION AGE: CRET
FORMATION NAME: AGUAS BUENAS LIMESTONE FORMATION AGE: CRET
FORMATION NAME: CAGUAS PLUTON FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
ASSOCIATED IGNEOUS ROCKS: GRANODIORITE
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.

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
UNKNOWN 1: MUNICIPIO DE ARECIBO

LOCATION INFORMATION
STATE: PUERTO RICO
COUNTRY: PUERTO RICO
QUADRANGLE: CAMUY
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
OWNER: JORGE AMADOR TOLEDO
OPERATOR: ADRIEL COLON COLON
STATUS: 7
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 2: MONROE, 1963A.

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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
OWNER: LUIS F. AVILA ROMAN
OPERATOR: LUIS F. AVILA ROMAN
STATUS: 7
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
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
REFERENCE 2: MONROE, 1963A.

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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 2: MONROE, 1963A.

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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
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 2: MONROE. 1963A.

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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
OWNER: LUIS R. COLON MORA
OPERATOR: LUIS R. COLON MORA

STATUS: 7

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.

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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
QUADRANGLE: CAROLINA
SCALE: 1:20,000
LATITUDE: 18-23-1N
COUNTRY: PUERTO RICO
LONGITUDE: 065-59-51W
COMMODITY INFORMATION
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
FORMATION NAME: RIO PIEDRAS SILTSTONE
FORMATION AGE: PALEO

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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
QUADRANGLE: CAROLINA
SCALE: 1:20,000
LATITUDE: 18-23-15N
COUNTRY: PUERTO RICO
LONGITUDE: 065-59-37W
COMMODITY INFORMATION
ORE MATERIAL: CRUSHED/BROKEN SILTSTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6
DEPOSIT DESCRIPTION
DEPOSIT TYPE: BEDDED, VOLCANICLASTIC
WORKINGS: SURFACE

GEOLOGY

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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

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

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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: Paleozoic
FORMATION NAME: Rio Piedras Siltstone
FORMATION AGE: Paleozoic

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
QUADRANGLE: Carolina
SCALE: 1:20,000
LATITUDE: 18°23'24"N
LONGITUDE: 065°59'27"W

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: Paleozoic
FORMATION NAME: Rio Piedras Siltstone
FORMATION AGE: Paleozoic

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
QUADRANGLE: Carolina
SCALE: 1:20,000
LATITUDE: 18°23'29"N
LONGITUDE: 065°59'20"W
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

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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

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

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  COUNTRY: PUERTO RICO
QUADRANGLE: CAROLINA
SCALE: 1:20,000
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
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
QUADRANGLE: CAROLINA
SCALE: 1:20,000
LATITUDE: 18-22-31N
LONGITUDE: 065-57-42W
COUNTRY: PUERTO RICO

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.

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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
QUADRANGLE: CAROLINA
SCALE: 1:20,000
LATITUDE: 18-22-37N
LONGITUDE: 065-57-38W
COUNTRY: PUERTO RICO

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.

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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.

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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.

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


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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

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
LONGITUDE: 065-57-47W
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

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
LONGITUDE: 065-53-36W
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

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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

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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: CALCARCEOUS MUDSTONE
  HOST ROCK AGE: LCRET
  FORMATION NAME: FRAILES FORMATION FORMATION AGE: LCRET
  GEOLOGIC COMMENTS: PLOTS IN THE LEPROCOMIO MEMBER OF THE FRAILES FORMATION.

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.

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 COUNTRY: PUERTO RICO
QUADRANGLE: CAROLINA
SCALE: 1:20,000
LATITUDE: 18-24-16N 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.

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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 COUNTRY: PUERTO RICO
QUADRANGLE: CAROLINA
SCALE: 1:20,000
LATITUDE: 18-24-26N 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

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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
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

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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
QUADRANGLE: CAROLINA, 1982
SCALE: 1:20,000
LATITUDE: 18-23-0ON
LONGITUDE: 066-53-45W

COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT
PRODUCTION: M
OWNER: ELA
OPERATOR: MIGUEL A. NEGRON
STATUS: 7

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.

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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
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.

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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

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

109
HOST ROCK AGE: CRET
FORMATION NAME: ROBLES FORMATION - RIO MATON MEMBER
FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET

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

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
COMMODITY INFORMATION
COMMODITIES: STN1 LST
ORE MATERIAL: LIMESTONE AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
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.

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.
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
QUADRANGLE: CENTRAL AGUIRRE
SCALE: 1:20,000
LATITUDE: 17-58-47N
LONGITUDE: 066-14-07W

LOCATION INFORMATION
COUNTRY: PUERTO RICO
QUADRANGLE: CENTRAL AGUIRRE
SCALE: 1:20,000
LATITUDE: 17-58-02N
LONGITUDE: 066-13-53W

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: UNTKCOL.


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
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  

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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
STATUS: 6

EXPLORATION AND DEVELOPMENT
PRODUCTION: YES
DEPOSIT DESCRIPTION
DEPOSIT TYPE: IGNEOUS
WORKINGS: SURFACE

GEOLOGY
HOST ROCK: ANDESITE
HOST ROCK AGE: CRET
AGE OF MINERALIZATION: CRET

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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

113
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.

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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.

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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
OWNER: GRAVERO MAYAGUEZANO
OPERATOR: GRAVERO MAYAGUEZANO
STATUS: 7

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.

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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
OWNER: SIGFREDO VELEZ CARDONA
OPERATOR: SIGFREDO VELEZ CARDONA

STATUS: 7

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.

MINERAL RESOURCES DATA SYSTEM RECORD TC00778
REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 9107
AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 9108
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
OWNER: RIO GRANDE DE ANASCO
OPERATOR: AGUSTIN CARBO DOMENECH

STATUS: 7

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.
CIALES QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00763

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

UPDATER: KIBBE, R.D.
UPDATED: 91 08

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
STATE: 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 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.

MINERAL RESOURCES DATA SYSTEM RECORD TC00764

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 90 08

UPDATER: KIBBE, R.D.
UPDATED: 91 08

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

UNKNOWN1: Ciales
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: Ciales, 1982
SCALE: 1:20,000
LATITUDE: 18-22-00N
COUNTRY: PUERTO RICO
LONGITUDE: 066-28-25W
COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? L
OWNER: DAVID DIAZ ARACHO
OPERATOR: DOMINDO RODRIGUEZ OTERO
STATUS: 7
DEPOSIT DESCRIPTION
DEPOSIT TYPE: SEDIMENTARY
WORKINGS: SURFACE
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 250 CUBIC METERS.

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
QUADRANGLE: Ciales, 1982
SCALE: 1:20,000
LATITUDE: 18-20-25N
COUNTRY: PUERTO RICO
LONGITUDE: 066-27-40W
COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL
EXPLORATION AND DEVELOPMENT
PRODUCTION? L
OWNER: JOSE JUAN ALVAREZ
OPERATOR: JOSE JUAN ALVAREZ
STATUS: 7
DEPOSIT DESCRIPTION
DEPOSIT TYPE: ALLUVIAL?
WORKINGS: SURFACE
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 300 CUBIC METERS.
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
QUADRANGLE: COAMO
SCALE: 1:20,000
LATITUDE: 18-04-45N
COUNTRY: PUERTO RICO
LONGITUDE: 066-22-24W

COMMODITY INFORMATION
COMMODITIES: BA
ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT
PRODUCTION?

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

WORKINGS:

GEOLGY
HOST ROCK: VERY THICK BEDDED TUFF, TUFF BRECCIA, OR CONGLOMERATE
HOST ROCK AGE: LCRT

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
QUADRANGLE: COAMO
SCALE: 1:20,000
LATITUDE: 18-02-39N
COUNTRY: PUERTO RICO
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

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

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COMERIO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD W701111

REPORTER: PAIDAKOVICH, MATT
REPORTED: 9001
AFFILIATION: USGS

SITE NAME: CERRO LA TIZA

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: COMERIO
SCALE: 1:20,000
LATITUDE: 18-14-35N
LONGITUDE: 066-11-00W

COMMODITY INFORMATION
COMMODITIES: CLY3 PYF
ORE MATERIAL: KAOLIN, PYROPHYLITE

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

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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

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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
FORMATION NAME: AGUAS BUENAS LIMESTONE  
FORMATION AGE: CRET

AGE OF MINERALIZATION: CRET


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MINERAL RESOURCES DATA SYSTEM RECORD TC01040

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

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: COMERIO
SCALE: 1:20,000
LATITUDE: 18-12-36N

COUNTRY: PUERTO RICO

COMMODITY INFORMATION
COMMODITIES: STN1 STN2
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

AGE OF MINERALIZATION: CRET


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MINERAL RESOURCES DATA SYSTEM RECORD TC01041

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

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: COMERIO
SCALE: 1:20,000
LATITUDE: 18-07-42N
LONGITUDE: 066-09-58W

COUNTRY: PUERTO RICO

COMMODITY INFORMATION
COMMODITIES: STN1 STN2
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
AGE OF MINERALIZATION: CRET

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

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
QUADRANGLE: COROZAL
SCALE: 1:20,000
LATITUDE: 18-20-32N
COUNTRY: PUERTO RICO
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
QUADRANGLE: FAJARDO
SCALE: 1:20,000
LATITUDE: 18-22-40N
COUNTRY: PUERTO RICO
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: UNIDENTIFIED AGGREGATE QUARRY PLOTS IN THE BRECCIA MEMBER OF THE HATO PUERCO FORMATION.

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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
QUADRANGLE: FAJARDO
SCALE: 1:20,000
LATITUDE: 18-22-17N
COUNTRY: PUERTO RICO
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.

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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
QUADRANGLE: FAJARDO
SCALE: 1:20,000
LATITUDE: 18-20-48N
COUNTRY: PUERTO RICO
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.

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
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.

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
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.

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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.

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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 LONGITUDE: 065-37-41W
SCALE: 1:20,000 LATITUDE: 18-18-07N
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 FORMATION NAME: FIGUERA LAVA
HOST ROCK AGE: LCRET FORMATION AGE: LCRET
FORMATION AGE: LCRET GEOLOGIC COMMENTS: UNIT KFL.

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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 LONGITUDE: 065-41-11W
SCALE: 1:20,000 LATITUDE: 18-22-06N
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 FORMATION NAME: FAJARDO FORMATION
HOST ROCK AGE: CRET FORMATION AGE: CRET GEOLOGIC COMMENTS: UNIT KFSU.

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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

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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.

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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
OWNER: METROPOLIS QUARRY, INC.
OPERATOR: METROPOLIS QUARRY, INC.
STATUS: 7

DEPOSIT DESCRIPTION
DEPOSIT TYPE: BEDDED, VOLCANICLASTIC
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: TUFF, BRECCIA
HOST ROCK AGE: CRET
FORMATION NAME: TABONUCO FORMATION
FORMATION AGE: CRET
GEOLOGIC COMMENTS: UNIT KT.

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

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

GEOLOGY
HOST ROCK: LAVA OR LAVA BRECCIA
HOST ROCK AGE: LCREC

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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

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

GEOLOGY
HOST ROCK: LAVA OR LAVA BRECCIA
HOST ROCK AGE: LCREC

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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
LONGITUDE: 066-31-30W
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

GUANICA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD W701170
REPORTER: PAIDAKOVICH, MATT
REPORTED: 9001
AFFILIATION: USGS
SITE NAME: UNNAMED GYPSUM QUARRY
COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
COUNTRY: PUERTO RICO
QUADRANGLE: GUANICA
SCALE: 1:20,000
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 STRATEBOUND, OF SEDIMENTARY OR ORGANIC ORIGIN
DEPOSIT SIZE: SURFACE
WORKINGS: S
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

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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.

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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
QUADRANGLE: GUAYAMA
SCALE: 1:20,000
LATITUDE: 17-58-56N
LONGITUDE: 066-05-48W
COUNTRY: PUERTO RICO

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.

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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
QUADRANGLE: GUAYAMA
SCALE: 1:20,000
LATITUDE: 17-59-06N
LONGITUDE: 066-05-20W
COUNTRY: PUERTO RICO

135
COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: DACITE AGGREGATE
EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION
DEPOSIT TYPE: STOCK, IGNEOUS
WORKINGS: SURFACE

GEOLGY
HOST ROCK: PORPHYRITIC QUARTZ DACITE
HOST ROCK AGE: CRET
GEOLOGIC COMMENTS: UNTKQP

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

GEOLGY
HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT
HOST ROCK AGE: QUAT
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  
QUADRANGLE: GURABO  
SCALE: 1:20,000  
LATITUDE: 18-21-37N  
COUNTRY: PUERTO RICO  
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

GELOGY
HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT
HOST ROCK AGE: QUAT

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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  
QUADRANGLE: GURABO  
SCALE: 1:20,000  
LATITUDE: 18-21-34N  
COUNTRY: PUERTO RICO  
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

GELOGY
HOST ROCK: ALLUVIAL SAND, GRAVEL, SILT
HOST ROCK AGE: QUAT
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
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


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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
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


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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
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


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
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
FORMATION NAME: CANOVANAS FORMATION  FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET

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MINERAL RESOURCES DATA SYSTEM RECORD TC01105

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: 18-22-1N  LONGITUDE: 065-58-03W

COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES  STATUS: 6

DEPOSIT DESCRIPTION
DEPOSIT TYPE: VOLCANIC

GEOLOGY
HOST ROCK: BASALTIC ANDESITE, VOLCANICLASTIC ROCKS

FORMATION NAME: MARTIN GONZALEZ LAVA  FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET

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MINERAL RESOURCES DATA SYSTEM RECORD TC01107

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: 18-20-34N  LONGITUDE: 065-57-26W

COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN VOLCANIC OR VOLCANICLASTIC ROCK

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES  STATUS: 6

140
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

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

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

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

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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
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

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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  COUNTRY: PUERTO RICO
QUADRANGLE: GURABO, 1982  SCALE: 1:20,000
LATITUDE: 18-21-27N  LONGITUDE: 065-57-05W

COMMODITY INFORMATION
COMMODITIES: STN1?
ORE MATERIAL: VOLCANIC AGGREGATE

EXPLORATION AND DEVELOPMENT
PRODUCTION? L  STATUS: 7
OWNER: XAVIER ZEQUEIRA INC.
OPERATOR: PUERTO RICO AGGREGATES

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
GEOLeGIC 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

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  COUNTRY: PUERTO RICO
QUADRANGLE: HUMACAO  SCALE: 1:20,000
LATITUDE: 18-13-59N  LONGITUDE: 065-51-34W

COMMODITY INFORMATION
COMMODITIES: BA
ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT
PRODUCTION?

DEPOSIT DESCRIPTION
DEPOSIT TYPE: VEINS OR SHEAR ZONES
DEPOSIT SIZE: S
GEOLOGY
ALTERATION: QUARTZ-SERICITE
GANGUE MINERALS: ALUNITE, PYROPHYLITE

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-BIOTTIE GRANODIORITE
HOST ROCK AGE: LCRET
FORMATION NAME: SAN LORENZO GRANODIORITE FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET

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 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

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
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

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
AGE OF MINERALIZATION: E?CRET

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
AGE OF MINERALIZATION: E?CRET
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
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

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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
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

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.

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

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.


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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
SCALE: 1:20,000
LATITUDE: 18-09-45N
COUNTRY: PUERTO RICO
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-BIOTTIE 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.

ISABELA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TCO0780

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 9105 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 9108 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
OWNER: HERMANOS ESTEVEZ
OPERATOR: LUIS A. FORESTIER
STATUS: 7

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 2: MONROE, 1969B.
MINERAL RESOURCES DATA SYSTEM RECORD TC00781

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

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
OWNER: ELIAS NUJUL BEZ, ROLAND CORDEJRIO Y SUCN. ABREU
OPERATOR: ROLAND CORDERO
STATUS: 7

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 2: MONROE, 1969B.

ISLA DESECHEO QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD W701184

REPORTER: PAIDAKOVICH, MATT
REPORTED: 90 01

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

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

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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.

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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

GEOLGY
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.

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MINERAL RESOURCES DATA SYSTEM RECORD TC01227

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

SITE NAME: CUEVA DE LOS PAJAROS

154
COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: ISLA MONA SCALE: 1:20,000
LATTITUDE: 18-04-04N 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 ISLANDS 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.


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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 COUNTRY: PUERTO RICO
QUADRANGLE: ISLA MONA SCALE: 1:20,000
LATTITUDE: 18-03-52N 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.

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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.

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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.

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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.

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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

GEOLGY
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.

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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.

MINERAL RESOURCES DATA SYSTEM RECORD TCO1234
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.

MINERAL RESOURCES DATA SYSTEM RECORD TCO1235
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
QUADRANGLE: ISLA MONA
SCALE: 1:20,000
LATITUDE: 18-05-22N
LONGITUDE: 067-56-19W

COUNTRY: PUERTO RICO

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.


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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
QUADRANGLE: ISLA MONA
SCALE: 1:20,000
LATITUDE: 18-05-47N
LONGITUDE: 067-56-14W

COUNTRY: PUERTO RICO

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.

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

GEOLGY
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.

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
GEOLGY
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.

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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
GEOLGY
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.

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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
QUADRANGLE: ISLA MONA
SCALE: 1:20,000
LATITUDE: 18-06-53N
COUNTRY: PUERTO RICO
LONGITUDE: 067-55-54W

COMMODITY INFORMATION
COMMODITIES: P
ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6

DEPOSIT DESCRIPTION
DEPOSIT TYPE: BIOPHILIC
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.

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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
QUADRANGLE: ISLA MONA
SCALE: 1:20,000
LATITUDE: 18-07-03N
COUNTRY: PUERTO RICO
LONGITUDE: 067-55-18W

COMMODITY INFORMATION
COMMODITIES: P
ORE MATERIAL: PHOSPHORITE

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
STATUS: 6

DEPOSIT DESCRIPTION
DEPOSIT TYPE: BIOPHILIC
WORKINGS: SURFACE

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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.

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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.

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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
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.

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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
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.

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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
COMMUNITIES: 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.

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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

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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

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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

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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: 18-06-36N
LONGITUDE: 067-56-05W
LATITUDE: 18-06-10N
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

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

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

MINERAL RESOURCES DATA SYSTEM RECORD W701178
REPORTER: PAIDAKOVICH, MATT
REPORTED: 9001
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

MINERAL RESOURCES DATA SYSTEM RECORD W701179
REPORTER: PAIDAKOVICH, MATT
REPORTED: 9001
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

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

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

MINERAL RESOURCES DATA SYSTEM RECORD W701182
REPORTER: PAIDAKOVICH, MATT
REPORTED: 9001 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: 18-03-32N LONGITUDE: 067-52-42W

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
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

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.

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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

GEOLGY
HOST ROCK: UNDIFFERENTIATED ANDESITIC VOLCANIC ROCKS
HOST ROCK AGE: CRET
AGE OF MINERALIZATION: CRET

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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
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

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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

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

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, HORNBLende,
BIOTTITE
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 BIOTTITE COMMON; LOCALLY GRADES INTO QUARTZ
DIORITE. PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR
MAXIMUM EXTRACTION OF 300 CUBIC METERS PER DAY.
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, 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: THE MINING PERMIT ALLOWS FOR MAXIMUM EXTRACTION OF 100 CUBIC METERS PER DAY.

MINERAL RESOURCES DATA SYSTEM RECORD TC00734

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: RAFFEL COLON HOMS, 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
   OWNER: RAFAEL COLON HOMS, INC.
   OPERATOR: RAFAEL COLON HOMS, INC.

DEPOSIT DESCRIPTION
   DEPOSIT TYPE: IGNEOUS
   WORKINGS: SURFACE

GEOLGY
   HOST ROCK: GRANODIORITE
   HOST ROCK AGE: CRET., TERT
   GANGUE MINERALS: PLAGIOCLASE, QUARTZ, ORTHOCLASE, HORBLENDE, BIOTTITE

GEOLOGIC COMMENTS: UNIT TKGD. THE HOST ROCK GRANODIORITE IS DESCRIBED
   AS A LIGHT-MEDIUM GRAY, MEDIUM-GRAINED ROCK; PLAGIOCLASE, QUARTZ,
   AND ORTHOCLASE PREDOMINATE; HORBLENDE AND BIOTTITE COMMON; LOKALLY 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

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MINERAL RESOURCES DATA SYSTEM RECORD TC00735

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

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176
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.

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 ORTHOCASLE PREDOMINATE; HORNBLENDE AND BIOTITE COMMON; LOCALLY GRADES INTO QUARTZ DIORITE. PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 500 CUBIC METERS.

MINERAL RESOURCES DATA SYSTEM RECORD TC00737
REPORTER: CORTÉZA 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.
MINERAL RESOURCES DATA SYSTEM RECORD TC00738

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

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
OWNER: LAS PIEDRAS CONSTRUCTION
OPERATOR: LAS PIEDRAS CONSTRUCTION
STATUS: 7

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.

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MINERAL RESOURCES DATA SYSTEM RECORD TC00739

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

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.


MINERAL RESOURCES DATA SYSTEM RECORD TC00740

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: 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
OWNER: EXPEDITO TORRES HERNANDEZ
OPERATOR: CARLOS BURGOS
STATUS: 7

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.

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<td>HOST ROCK AGE: CRET (?), TERT (?)</td>
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<td>GANGUE MINERALS: PLAGIOCLASE, QUARTZ, ORTHOCLASE, HORNBLENDE, BIOTITE</td>
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<tr>
<td>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.</td>
</tr>
</tbody>
</table>
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
DEPOSIT DESCRIPTION
DEPOSIT TYPE: MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC ORIGIN
GEOLOGY
HOST ROCK: CARBONATES

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MINERAL RESOURCES DATA SYSTEM RECORD TC01123

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

SITE NAME: LACUNA 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

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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
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

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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
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

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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: 18-25-0O N LONGITUDE: 066-25-06 W
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

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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
LONGITUDE: 066-23-48W
COUNTRY: PUERTO RICO
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

MINERAL RESOURCES DATA SYSTEM RECORD TCO1128
REPORTER: CARBONARO, MARGUERITE (PAGE, NORMAN J)
REPORTED: 91 11
AFFILIATION: USGS/CIMRI
SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: MANATI
SCALE: 1:20,000
LATITUDE: 18-27-08N
LONGITUDE: 066-23-06W
COUNTRY: PUERTO RICO
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
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
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

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FORMATION NAME: AYMAMON LIMESTONE  
FORMATION AGE: MIO  

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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  
FORMATION NAME: AYMAMON LIMESTONE  
FORMATION AGE: MIO  

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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

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: NONMETALIC
LOCATION INFORMATION
STATE: 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

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: NONMETALIC
LOCATION INFORMATION
STATE: PUERTO RICO
COUNTRY: PUERTO RICO
QUADRANGLE: MANATI
SCALE: 1:20,000
LATITUDE: 18-25-48N
LONGITUDE: 066-28-49W

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

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

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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
QUADRANGLE: MANATI
SCALE: 1:20,000
LATITUDE: 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

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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
QUADRANGLE: MANATI
SCALE: 1:20,000
LATITUDE: 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  

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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

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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

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

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

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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

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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
QUADRANGLE: MANATI
SCALE: 1:20,000
LATITUDE: 18-26-03N
LONGITUDE: 066-29-39W
COUNTRY: PUERTO RICO

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

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
QUADRANGLE: MANATI, 1982
SCALE: 1:20,000
LATITUDE: 18-27-45N
LONGITUDE: 066-25-10W
COUNTRY: PUERTO RICO

COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SILICIOUS SAND

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES
OWNER: JUAN PIZA BLONDET
OPERATOR: JUAN PIZA BLONDET
STATUS: 7

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.

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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.


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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

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COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: MANATI, 1982
SCALE: 1:20,000
LATITUDE: 18-26-07N
LONGITUDE: 066-25-05W
COUNTRY: PUERTO RICO
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.

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
QUADRANGLE: MANATI, 1982
SCALE: 1:20,000
LATITUDE: 18-27-00N
LONGITUDE: 066-25-05W
COUNTRY: PUERTO RICO
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.

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
OWNER: SUCN. MARIO MARCANTONI
OPERATOR: ORLANDO RODZ, Y/O FELIX GINORIO
STATUS: 7

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.
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
FORMATION NAME: AYMAMON LIMESTONE FORMATION AGE: LMIO

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


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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
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.
MINERAL RESOURCES DATA SYSTEM RECORD TC00762

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: 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 EXTRATION OF 1,000 CUBIC METERS PER DAY.

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MINERAL RESOURCES DATA SYSTEM RECORD TC00811

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: 066-26-50W

COMMODITY INFORMATION
COMMODITIES: SIL
ORE MATERIAL: SILICA
EXPLORATION AND DEVELOPMENT
PRODUCTION? S
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.

MINERAL RESOURCES DATA SYSTEM RECORD TCO0816

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 91 05
AFFILIATION: PRDNR
UPDATER: KIBE, 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
LATTITUDE: 18-24-00N
LONGITUDE: 066-25-50W
COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL
EXPLORATION AND DEVELOPMENT
PRODUCTION? M
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.
MINERAL RESOURCES DATA SYSTEM RECORD **TC01150**

REPORTEER: 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.

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MINERAL RESOURCES DATA SYSTEM RECORD **TC01151**

REPORTEER: 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**
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
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

GEOLGY
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
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

GEOLGY
HOST ROCK: BLACK GLASSY IGNEOUS ROCK, LAVA OR DIKE ROCK
HOST ROCK AGE: EO
AGE OF MINERALIZATION: EO
REFERENCE: MONROE, 1969B.
SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: MOCA, 1964
SCALE: 1:20,000
LATITUDE: 18-27-10N
LONGITUDE: 067-02-55W
COUNTRY: PUERTO RICO

COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT
PRODUCTION? L
OWNER: MASTER AGGREGATES TOA BAJA CORP.
OPERATOR: MASTER AGGREGATES TOA BAJA CORP.
STATUS: 7

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 2: MONROE, 1969B.

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MINERAL RESOURCES DATA SYSTEM RECORD **TC00832**

SITE NAME: **UNIDENTIFIED LIMESTONE QUARRY**

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: MOCA, 1964
SCALE: 1:20,000
LATITUDE: 18-27-45N
LONGITUDE: 067-01-00W
COUNTRY: PUERTO RICO

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 2: MONROE, 1969B.

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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
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.
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
  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: UNTTKD.

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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
  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
MINERAL RESOURCES DATA SYSTEM RECORD TC01190

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

SITE NAME: UNIDENTIFIED DIORITE QUARRY

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

GEOLOGY
HOST ROCK: DIORITE
HOST ROCK AGE: TERT (?)

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

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

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
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

209
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: CALCAROEUS SILTSTONE
HOST ROCK AGE: CRET
FORMATION NAME: EL OCHO FORMATION FORMATION AGE: CRET
REFERENCE: PEASE, 1968B.

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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: CALCAROEUS 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.

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MINERAL RESOURCES DATA SYSTEM RECORD TC01186

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: 18-21-18N 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.

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MINERAL RESOURCES DATA SYSTEM RECORD W701040

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, TUFFACEOUS SANDSTONE, OR MUDSTONE
HOST ROCK AGE: LCRET
ALTERATION: ARGILLIC OR PROPYLITIC

MINERAL RESOURCES DATA SYSTEM RECORD TC00710

SITE NAME: UNIDENTIFIED SAND QUARRY

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: 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
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
REFERENCE 2: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD TC00711

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
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 2: PEASE, 1968B.

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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
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

213
FORMATION NAME: SANTA OLAVA LAVA  
FORMATION AGE: CRET
PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM EXTRACTION OF 500 CUBIC METERS PER DAY.
REFERENCE 2: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD TCO0713

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 2: PEASE, 1968B.

MINERAL RESOURCES DATA SYSTEM RECORD TCO0714

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
QUADRANGLE: NARANJITO, 1982
SCALE: 1:20,000
LATITUDE: 18-20-17N
LONGITUDE: 066-08-16W
COUNTRY: PUERTO RICO

COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: TUFF, BRECCIA AGGREGATE

EXPLORATION AND DEVELOPMENT
PRODUCTION? L
OWNER: SUCN. MANUEL RAMOS PEREZ
OPERATOR: TERRASSA AGGREGATES
STATUS: 7

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 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
QUADRANGLE: NARANJITO, 1982
SCALE: 1:20,000
LATITUDE: 18-21-50N
LONGITUDE: 066-13-25W
COUNTRY: PUERTO RICO

COMMODITY INFORMATION
COMMODITIES: VOL
ORE MATERIAL: VOLCANIC MATERIALS

EXPLORATION AND DEVELOPMENT
PRODUCTION? L
OWNER: ELA
OPERATOR: MANUEL VELILLA PEREZ
STATUS: 7

DEPOSIT DESCRIPTION
DEPOSIT TYPE: UNKNOWN
WORKINGS: SURFACE
GEODESY
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 2: PEASE, 1968B.

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MINERAL RESOURCES DATA SYSTEM RECORD TC00716

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: 18-22-00N 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 2: PEASE, 1968B.

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216
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 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

217
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

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

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

UNKNOWN 1: 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

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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

UNKNOWN 1: 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.
PARGUERA QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD \textbf{W701168}

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

SITE NAME: UNNAMED BARITE VEIN

COMMODITY TYPE: METALLIC/NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: PARGUERA
SCALE: 1:20,000
LATITUDE: 17-59-57N
LONGITUDE: 067-06-24W
COUNTRY: PUERTO RICO

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


MINERAL RESOURCES DATA SYSTEM RECORD \textbf{W701169}

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

SITE NAME: NEGRONI PROPERTY

COMMODITY TYPE: METALLIC/NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: PARGUERA
SCALE: 1:20,000
LATITUDE: 17-59-35N
LONGITUDE: 067-06-54W
COUNTRY: PUERTO RICO

COMMODITY INFORMATION
COMMODITIES: BA
ORE MATERIAL: BARITE

EXPLORATION AND DEVELOPMENT
PRODUCTION?
STATUS:

220
DEPOSIT DESCRIPTION

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

WORKINGS:

GEOLOGY
HOST ROCK: CHERT
HOST ROCK AGE: ECRET

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**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

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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

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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.

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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       COUNTRY: PUERTO RICO
QUADRANGLE: PATILLAS
SCALE: 1:20,000
LATITUDE: 18-00-39N       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.

MINE 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       COUNTRY: PUERTO RICO
QUADRANGLE: PATILLAS
SCALE: 1:20,000
LATITUDE: 18-00-51N       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
MINERAL RESOURCES DATA SYSTEM RECORD TCO0950

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: PENUELAS SCALE: 1:20,000
LATITUDE: 18-01-32 N LONGITUDE: 066-38-19 W

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.
COUNTRY NAME: MUNICIPIO DE PONCE

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MINERAL RESOURCES DATA SYSTEM RECORD TCO0745

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: 18-00-40 N LONGITUDE: 066-39-10 W

COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE

224
EXPLORATION AND DEVELOPMENT
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.

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**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
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.

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

226
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.

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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.

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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 COUNTRY: PUERTO RICO
QUADRANGLE: PONCE SCALE: 1:20,000
LATITUDE: 18-01-25N 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, 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.

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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 COUNTRY: PUERTO RICO
QUADRANGLE: PONCE SCALE: 1:20,000
LATITUDE: 18-01-47N LONGITUDE: 066-30-18W

COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6

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.

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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
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

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
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

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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

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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
LATITUDE: 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

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
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
- **FORMATION NAME:** LIMESTONE OF CERRILLOS FORMATION
- **AGE:** LCRET
- **AGE OF MINERALIZATION:** LCRET

**REFERENCE:** KRUSHENSKY AND MONROE, 1975.

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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  FORMATION AGE: LCRET
AGE OF MINERALIZATION: 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
COUNTRY: PUERTO RICO
QUADRANGLE: PONCE
SCALE: 1:20,000
LATITUDE: 18-02-41N
LONGITUDE: 066-31-19W
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: CARBONATES

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
COUNTRY: PUERTO RICO
QUADRANGLE: PONCE
SCALE: 1:20,000
LATITUDE: 18-01-58N
LONGITUDE: 066-36-54W
COMMODITY INFORMATION
COMMODITIES: GYP
ORE MATERIAL: GYPSUM
EXPLORATION AND DEVELOPMENT
PRODUCTION? U
STATUS:
DEPOSIT DESCRIPTION
DEPOSIT TYPE: VEINS OR SHEAR ZONES
DEPOSIT SIZE: S

233
GEOLOGY
HOST ROCK: CARBONATES

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MINERAL RESOURCES DATA SYSTEM RECORD TCO0750

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

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.

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MUERTO REAL QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC01263

REPORTER: CARBONARO, MARGUERITE (PAPE, 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.

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MINERAL RESOURCES DATA SYSTEM RECORD TC01264

REPORTER: CARBONARO, MARGUERITE (PAPE, 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

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WORKINGS: SURFACE

GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: CRET
FORMATION NAME: COTUI LIMESTONE FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
REFERENCE: VOLCKMANN, 1984A.

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MINERAL RESOURCES DATA SYSTEM RECORD TCO1265

REPORTER: CARBONARO, 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.

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MINERAL RESOURCES DATA SYSTEM RECORD TCO0770

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  LONGITUDE: 067-00-45W

COMMODITY INFORMATION
COMMODITIES: STN
ORE MATERIAL: UNKNOWN

EXPLORATION AND DEVELOPMENT
PRODUCTION? L
OWNER: JOSE A. LUGO RODRIGUEZ
OPERATOR: CANTERA LAS LOMAS

DEPOSIT DESCRIPTION
DEPOSIT TYPE: UNKNOWN
WORKINGS: SURFACE

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

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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
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 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 2: VOLCKMANN, 1984A.

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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

SITE NAME: CERRO LA TIZA
MINING DISTRICT: CERRO LA TIZA

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COMMODITY TYPE: METALLIC/NONMETALLIC
UNKNOWN 1: GUAYAMA SENATORIAL DISTRICT
LOCATION INFORMATION
STATE: PUERTO RICO  COUNTRY: PUERTO RICO
QUADRANGLE: PUERTO RICO  SCALE: 1:20,000 COMERIO
LATITUDE: 18-14-37N  LONGITUDE: 66-11-05W

COMMODITY INFORMATION
COMMODITIES: AL3 K  AL
ORE MATERIAL: ALUNITE

EXPLORATION AND DEVELOPMENT
DEPOSIT DESCRIPTION
DEPOSIT FORM: HYDROTHERMAL ALTERATION - REPLACEMENT
DEPOSIT SIZE: ELONGATE IRREG LENS
DEPOSIT TYPE: 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

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  COUNTRY: PUERTO RICO
QUADRANGLE: PUNTA GUAYANES
SCALE: 1:20,000
LATITUDE: 18-05-54N  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

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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

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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

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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: NONMETALIC

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

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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

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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
FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET

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MINERAL RESOURCES DATA SYSTEM RECORD TC01252

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 COUNTRY: PUERTO RICO
QUADRANGLE: PUNTA GUAYANES SCALE: 1:20,000
LATITUDE: 18-02-02N LONGITUDE: 065-50-44W

COMMODITY INFORMATION
COMMODITIES: STN1
ORE MATERIAL: CRUSHED/BROKEN GRANODIORITE

EXPLORATION AND DEVELOPMENT
PRODUCTION? YES STATUS: 6

DEPOSIT DESCRIPTION
DEPOSIT TYPE: INTRUSIVE COMPLEX
WORKINGS: SURFACE

GEOLGY
HOST ROCK: GRANODIORITE
HOST ROCK AGE: LCRET
FORMATION NAME: PLUTONIC COMPLEX OF PUNTA GUAYANES
FORMATION AGE: LCRET
AGE OF MINERALIZATION: LCRET

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MINERAL RESOURCES DATA SYSTEM RECORD TC01253

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: 18-01-35N LONGITUDE: 065-50-47W

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

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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

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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

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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
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
OWNER: ELA
OPERATOR: LUIS A. APONTE NIEVES
STATUS: 7
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.

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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.


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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
GEOLGY
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.

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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
GEOLGY
HOST ROCK: VOLCANIC BRECCIA, LAVA
HOST ROCK AGE: LCRET
FORMATION NAME: DAGUAO FORMATION
FORMATION AGE: LCRET
GEOLOGIC COMMENTS: UNIT KD.

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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

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.

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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

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248
FORMATION NAME: DAGUAO FORMATION

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

QUEBRADILLAS QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TC00926
REPORTER: CARBONARO, MARUERITE 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

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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

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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

COMMODITY INFORMATION
COMMODITIES: DOL
ORE MATERIAL: DOLOMITE

EXPLORATION AND DEVELOPMENT
PRODUCTION?
DEPOSIT DESCRIPTION
DEPOSIT TYPE: MORE OR LESS STRATABOUND, OF SEDIMENTARY OR ORGANIC ORIGIN

GEOLOGY
HOST ROCK: CARBONATES
FORMATION NAME: AYMAMON LIMESTONE
FORMATION AGE: TERT

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

COMMODITY INFORMATION
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT
OWNER: GILBERTO BENITEZ REYES
OPERATOR: GILBERTO BENITEZ REYES
STATUS: 7

DEPOSIT DESCRIPTION
DEPOSIT TYPE: UNKNOWN
WORKINGS: SURFACE
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 1000 CUBIC METERS.
MINERAL RESOURCES DATA SYSTEM RECORD TCO0791

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

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.

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RINCON QUADRANGLE

MINERAL RESOURCES DATA SYSTEM RECORD TCO0788

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
LATITUDE: 18-18-30N LONGITUDE: 067-11-30W

COMMODITY INFORMATION
COMMODITIES: STN
ORE MATERIAL: UNKNOWN
EXPLORATION AND DEVELOPMENT
PRODUCTION? L
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.

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MINERAL RESOURCES DATA SYSTEM RECORD TCO0789

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
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
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.

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

GEOLOGY
HOST ROCK: CARBONATES
HOST ROCK AGE: PALEO-EO
GANGUE MINERALS: DOLOMITE

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MINERAL RESOURCES DATA SYSTEM RECORD **TC01193**

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

SITE NAME: **GUAYABAL QUARRY**

COMMODITY TYPE: NONMETALLIC

UNKNOWN 1: 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
DEPOSIT DESCRIPTION
DEPOSIT TYPE: **BEDDED SEDIMENTARY**
DEPOSIT SIZE: S

STATUS: 4
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

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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
LATITUDE: 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 MARKETED AT PONCE, P.R.

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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.

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MINERAL RESOURCES DATA SYSTEM RECORD TC01201

REPORTER: CARBONARO, MARGUERITE (STAUBE, 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

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.

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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
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.

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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
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

257
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.

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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 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.

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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

258
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.

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MINERAL RESOURCES DATA SYSTEM RECORD TC00752

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 AGGREGATE WORKINGS

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: RIO DESCALABRADO, 1982 SCALE: 1:20,000

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.

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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.


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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
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

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
MINERAL RESOURCES DATA SYSTEM RECORD TC00831

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: 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 2: CURET, 1986.

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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
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 2: CURET, 1986.

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MINERAL RESOURCES DATA SYSTEM RECORD TCO0769

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
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 2: CURET, 1986.

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263
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
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.


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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
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.

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

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  
OWNER: ELA
STATUS: 6

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.
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
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
OWNER: LAS AMERICAS DEVELOP.
OPERATOR: LAS AMERICAS DEVELOP.
STATUS: 7

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

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
QUADRANGLE: SAN GERMAN
SCALE: 1:20,000
LATITUDE: 18-05-03N
LONGITUDE: 067-06-24W

COUNTRY: PUERTO RICO

SAN GERMAN QUADRANGLE
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
FORMATION AGE: LCRET
AGE OF MINERALIZATION: 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
COUNTRY: PUERTO RICO
QUADRANGLE: SAN GERMAN
SCALE: 1:20,000
LATITUDE: 18'04'30"N
LONGITUDE: 067'05'00"W

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

MINERAL RESOURCES DATA SYSTEM RECORD W701132

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

SITE NAME: UNNAMED BARITE VEINS

267
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

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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

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MINERAL RESOURCES DATA SYSTEM RECORD TC00771

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

SITE NAME: UNIDENTIFIED LIMESTONE QUARRY

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: 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 LIMETONE, 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 2: VOLCKMANN, 1984B.

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MINERAL RESOURCES DATA SYSTEM RECORD TC00772

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

SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: PUERTO RICO
QUADRANGLE: SAN GERMAN, 1966
SCALE: 1:20,000
LATITUDE: 18-04-41N
LONGITUDE: 067-00-51W

COMMODITY INFORMATION
COMMODITIES: SDG

269
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 2: VOLCKMANN, 1984B.

REFERENCE:
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:
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

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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

271
GEOLOGY
HOST ROCK: SILTSTONE
HOST ROCK AGE: EO
FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO
GEOLOGIC COMMENTS: UNIT TR.

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

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

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

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

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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

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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

274
LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: SAN JUAN SCALE: 1:20,000
LATITUDE: 18-22-57N 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

GEOLOGY
HOST ROCK: SILTSTONE
HOST ROCK AGE: EO
FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO

MINERAL RESOURCES DATA SYSTEM RECORD TC01220
REPORTER: CARBONARO, MARGUERITE (ALLEN, MICHAEL S.)
REPORTED: 91 11 AFFILIATION: USGS

SITE NAME: UNIDENTIFIED SILTSTONE QUARRY

LOCATION INFORMATION
STATE: PUERTO RICO COUNTRY: PUERTO RICO
QUADRANGLE: SAN JUAN SCALE: 1:20,000
LATITUDE: 18-23-19N 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

GEOLOGY
HOST ROCK: SILTSTONE
HOST ROCK AGE: EO
FORMATION NAME: RIO PIEDRAS FORMATION FORMATION AGE: EO
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

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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

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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
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

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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
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

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: ALLUVIAL GRAVEL
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT

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

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MINERAL RESOURCES DATA SYSTEM RECORD TC00751

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: NONMETALIC

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.

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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

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.

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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
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? 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 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.

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: 066-15-33W
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

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

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
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: ELLU VIAL 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
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 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

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 2: MONROE, 1963B.

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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
UNKNOWN 1: DORADO
LOCATION INFORMATION
STATE: PUERTO RICO
COUNTRY: PUERTO RICO
QUADRANGLE: VEGA ALTA, 1969
SCALE: 1:20,000
LATITUDE: 18-25-40N
LONGITUDE: 066-15-35W

COMMODITY INFORMATION
COMMODITIES: SDG
ORE MATERIAL: SAND AND GRAVEL

EXPLORATION AND DEVELOPMENT
PRODUCTION? M
STATUS: 7
OWNER: ELA
OPERATOR: ANGEL L. BERMUDEZ

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 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
COUNTRY: PUERTO RICO
QUADRANGLE: VEGA ALTA, 1969
SCALE: 1:20,000
LATITUDE: 18-25-55N
LONGITUDE: 066-20-25W

COMMODITY INFORMATION
COMMODITIES: LST
ORE MATERIAL: LIMESTONE
EXPLORATION AND DEVELOPMENT
PRODUCTION? L STATUS: 7
OWNER: AMANDA AQUILES VDA. LOPEZ
OPERATOR: AMANDA AQUILES 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
REFERENCE 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD TC00812

REPORTER: CORTEZA TERRESTRE/SURFACE MINING PERMITS OFFICE
REPORTED: 9105 AFFILIATION: PRDNR
UPDATER: KIBBE, R.D.; ORRIS, G.J.
UPDATED: 9108 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

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

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MINERAL RESOURCES DATA SYSTEM RECORD TC00818

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

SITE NAME: EMPRESAS TERRASSA'S SAND AND GRAVEL QUARRY

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
OWNER: EMPRESAS TERRASSA
OPERATOR: EMPRESAS TERRASSA
STATUS: 7

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 2: MONROE, 1963B.

MINERAL RESOURCES DATA SYSTEM RECORD TC00826

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

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 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 2: MONROE, 1963B.

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MINERAL RESOURCES DATA SYSTEM RECORD TC00708

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

SITE NAME: UNIDENTIFIED SAND AND GRAVEL MINE

COMMODITY TYPE: NONMETALLIC

LOCATION INFORMATION
STATE: 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
OWNER: ELA
OPERATOR: INVERSIONES DEL TOA
STATUS: 7

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.

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MINERAL RESOURCES DATA SYSTEM RECORD TC00709

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

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
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, ALLUVAL
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: ALLUVAL SEDIMENT
HOST ROCK AGE: QUAT
PRODUCTION COMMENTS: MAXIMUM AMOUNT OF PRODUCTION PERMITTED PER DAY IS 400 CUBIC METERS.
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: MUNUCIPIO 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: ALLUVAL
WORKINGS: SURFACE
GEOLOGY
HOST ROCK: GRAVEL
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT

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MINERAL RESOURCES DATA SYSTEM RECORD TC01192

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

SITE NAME: UNIDENTIFIED GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC
UNKNOWN: MUNICIPIO DE YABUCOA
LOCATION INFORMATION
STATE: PUERTO RICO
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
GEOLOGY
HOST ROCK: GRAVEL
HOST ROCK AGE: QUAT
AGE OF MINERALIZATION: QUAT

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MINERAL RESOURCES DATA SYSTEM RECORD TC00742

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: 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

GEOLOGY
HOST ROCK: ALLUVIUM, FANGLomerate
HOST ROCK AGE: PLEIS-HOLO
AGE OF MINERALIZATION: PLEIS-HOLO

PRODUCTION COMMENTS: THE MINING PERMIT ALLOWS FOR MAXIMUM EXTRATION OF 150 CUBIC METERS PER DAY.


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MINERAL RESOURCES DATA SYSTEM RECORD TCO0743

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.


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SITE NAME: UNIDENTIFIED SAND AND GRAVEL QUARRY

COMMODITY TYPE: NONMETALLIC
LOCATION INFORMATION
STATE: 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

PRODUCTION 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.

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

GEOLOGY
HOST ROCK: LIMESTONE
HOST ROCK AGE: CRET
FORMATION NAME: PARGUERA LIMESTONE
FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET

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

GEOLOGY
HOST ROCK: CALCAREOUS SILTSTONE AND CLAYSTONE
HOST ROCK AGE: CRET
FORMATION NAME: YAUCO FORMATION
FORMATION AGE: CRET
AGE OF MINERALIZATION: CRET
REFERENCES


MATTSON, P.H., 1968, GEOLOGIC MAP OF THE ADJUNTAS QUADRANGLE, PUERTO RICO: U.S. GEOLOGICAL SURVEY MISCELLANEOUS INVESTIGATIONS MAP I-519, SCALE 1:20,000.


ROGERS, C.L., 1979, GEOLOGIC MAP OF THE CAGUAS QUADRANGLE, PUERTO RICO: U.S. GEOLOGICAL SURVEY MISCELLANEOUS INVESTIGATIONS MAP 1-1152, SCALE 1:20,000.


