

SIMPLIFIED TASK ORDER REQUEST FOR PROPOSAL

OPTION YEAR 2006

for National Resources Inventory (NRI) Site Imagery
for Puerto Rico and U.S. Virgin Islands

Task Order Solicitation Number: TO-NRI06-2
AERIAL PHOTOGRAPHY AND SCANNING SERVICES



U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY
AERIAL PHOTOGRAPHY FIELD OFFICE

NOTICE TO OFFEROR

Proposals submitted in response to this RFP must be identified with the following information labeled on the outside of the mailing package:

SOL.NO: TO-NRI06-2
DUE DATE: 01-SEP-06, 4:30 PM
RECEIVING OFFICE: CONTRACTING

Mail To: AERIAL PHOTOGRAPHY FIELD OFFICE
CONTRACTING OFFICER
2222 WEST 2300 SOUTH
SALT LAKE CITY UTAH 84119-2020

NOTICE TO OFFERORS :

PLEASE NOTE THE FOLLOWING SPECIAL TASK ORDER INSTRUCTIONS:

This simplified task order RFP is issued under the 2006 contract performance period of the First Option Year, for services and delivery to be performed during the 2006 and 2007 task order performance periods. This is allowed without any contract term extension as described in Section I-6, Paragraph (d) (Page 33) of the contract.

Contractors are required to respond to the task order statement of work similar to the original RFP covering terms of pricing, areas of interest, and current performance capacities. Proposals must be presented in two parts, a pricing proposal and a technical proposal. Please do not secure your proposal using a "plastic comb" or spiral type bindings and limit the size to a maximum of 100 double-sided pages. Task order awards will be made based on procedures established in Section L-3, Paragraph 3.2 of the contract, USDA-NRCS-2-05.

Aerial film transparencies require standard cut and sleeve size. See Section 3.1 (e) and (g), Page 3.

Scanning of all Puerto Rico and Virgin Islands NRI imagery is required. See Section 3.2, Page 3.

The County Names and FIPS codes may not match the Poly_id data. See Section 7.0, Page 6.

NRI Progress Report email address has changed to: NRI.apfo.reports@slc.usda.gov. See Exhibit 4, Page 11.

TASK ORDER REQUEST FOR PROPOSAL

2006 NATIONAL RESOURCES INVENTORY (NRI)
PROGRAM – PUERTO RICO AND U.S. VIRGIN ISLANDS

1.0 2006 NRI AERIAL PHOTOGRAPHY AND SCANNING SERVICES

Furnish aerial photography services, scanning services, and related supplies in accordance with the requirements, specifications, terms, conditions, clauses, and provisions specified herein and in the original indefinite-delivery, indefinite-quantity contract, effective for the periods stated in the schedule.

1.1 Task Order Pricing Proposal

2006 NATIONAL RESOURCES INVENTORY (NRI), AERIAL PHOTOGRAPHY AND SCANS OF NRI SITES IN PUERTO RICO AND U.S. VIRGIN ISLANDS			
COMPANY NAME:		AUTHORIZED SIGNATURE:	
TOTAL QUANTITY OF SITES/SCANS	UNIT	UNIT PRICE	TOTAL AMOUNT
450	NRI SITE	\$	\$
	SCAN	\$	\$
<u>PRICING PROPOSAL INSTRUCTIONS:</u>			
Enter your proposed unit price and total amount in the spaces provided above. PLEASE NOTE: The minimum unit of offer is all NRI Sites, including scans, within Puerto Rico and the Virgin Islands project areas.			

1.2 Location of Work

This Task Order covers a sample of 450 NRI Sites located in Puerto Rico and the U.S. Virgin Islands. There are 432 sites in Puerto Rico and 18 sites in the U.S. Virgin Islands. Please refer to Exhibit 1, Puerto Rico and U.S. Virgin Islands NRI Locations, for a map of the approximate site distribution.

2.0 NATIONAL RESOURCES INVENTORY (NRI) PROGRAM REQUIREMENTS

The general scope of this task order is to procure vertical, high resolution, natural color aerial photography and associated digital scans for inventories of natural resources by the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS). The NRI imagery shall be used by NRCS to collect and measure natural resource data by means of photo interpretation and Geographic Information Systems (GIS) technologies. Within each sample, data is collected on land cover and use, soil erosion, prime farmland, wetlands, and characteristics of other natural resources.

2.1 Confidentiality Statement

Site locations of the National Resources Inventory (NRI) are “for official use only” and shall remain confidential. Site locations, represented in either hardcopy or digital form, are available exclusively for use by government authorized personnel conducting resource inventory activities or other authorized use. The Confidentiality Agreements on file for the initial Task Order, TO-NRI06-1, are binding on this task order.

2.2 Performance Period

The performance period for this 2006 task order for the acquisition and delivery of NRI aerial photography and all related materials is:

Date of Task Order Award through April 30, 2007.

2.3 Contract Deliverables

The deliverables for this 2006 option year Task Order consist of the following:

**One (1) original color positive film transparency of each NRI site, cut and sleeved;
One (1) digital scan of each transparency with associated metadata.**

Only **one (1)** aerial film image and its associated scan shall be provided for each of the NRI Site segments identified in the exposure data that will be provided by the government.

3.0 PROJECT TECHNICAL REQUIREMENTS

3.1 Aerial Photography Requirements

- (a) Nominal Photographic Scale: Standard Nominal Scale: 1:7,920
- (b) Approximately Photographic Period: November 1, 2006 through March 31, 2007
- (c) Minimum Sun Angle: 30 Degrees
- (d) Aerial Camera:
 - (1) Nominal Lens Focal Length: 6 inch (153mm); Filter: Antivignetting
 - (2) Other Lens Focal Lengths: 8¼ inch (210mm) and 12 inch (305mm). Use of other focal length lenses shall require prior written approval by the Contracting Officer.

- (e) Aerial Film: Color Positive Aerial Film (Brand Names: Kodak Aerochrome III MS Film 2427, Agfa Aviphot Chrome 200 PEI, or equivalent).
 - (1) Every film transparency shall be cut to the following dimensions:
 - (i) Maximum Length: 25.4 cm (10 inches) long,
 - (ii) Standard Film Width: 24.1 cm (9.5 inches) wide,
 - (2) The uniform cut-film dimensions are designed to standardize the NRI film transparency storage requirements.
- (f) Film Titling: Every exposure shall be titled in accordance with the format and instructions specified herein and in Section C-6 of the contract.
 - (1) Agency Designators: USDA-NRCS
 - (2) Site Identification Codes will be provided upon award.
 - (3) Automatic electronic titling may be permitted upon Contracting Officer's approval.
- (g) Film Sleeves: Every NRI film transparency shall be protected and submitted in clear, sturdy archival quality **polypropylene** film sleeves in accordance with the following requirements:
 - (1) Aerial film sleeve maximum dimensions: 25.4 cm (10 inches) by 25.4 cm (10 inches); 3.0 mil thickness.
 - (2) Brand names for aerial sleeve: Picture Pocket®Corporation, FilmGuard Corporation, or equivalent.
 - (3) Film sleeves must have a fold-over lip seal.
 - (4) Original aerial film and film sleeves shall be free of any marks or labels which would obstruct any part of the film transparency.

3.2 Scanning Requirements:

Each NRI film transparency shall be scanned, with appropriate titling information, in accordance with the following requirements:

- (a) Scanning Resolution: The original aerial film shall be scanned at 40 microns / 600 'dpi' ('pixels' per inch) according to the specifications in the original contract (including Modifications 1 & 2.)
- (b) Scan Orientation: The orientation of the scanned image shall be such that north is at the top of the scanned image when viewed with conventional image viewing products. This shall be irrespective of the orientation of the original aerial film image while still in roll format.
- (c) Delivery Media: The delivery media shall be External Combo USB2.0/IEEE1394 (Firewire) hard drives with a *suggested* capacity of 200 through 300 gigabytes per drive.
- (d) Content of Drives: Each drive may contain more than one state and may contain partial county coverages. *It is the preference of the government*, however, that only full county coverage be provided to facilitate inspection and record keeping. The scans shall be organized by State and County as per the contract specifications. The top level directory where more than one state is included on a drive shall be the State Name (*Missouri, South Dakota.*) See Section C-7 of the original contract, AERIAL PHOTOGRAPHY SCANNING for the specifications.

(e) Scanning Accuracy: The contractor is required to meet the scanning accuracy requirement value of two (2.0) (pixels) RMSE or less. The contractor shall provide a scanner calibration report that certifies the RMSE measurement (value) of the scanner(s) that is(are) used, both for the Stage and Geometric precision. The date of the report shall not be earlier than one year prior to the date of this Task Order.

3.3 Size of Sample Sites

The average size of NRI sample sites in Puerto Rico is approximately 41 acres. The average size of the sites in the U.S. Virgin Islands is 160 acres (1/4 Square Mile.)

3.4 Project Flight Plan Description

- (a) All NRI Sites for these two areas shall be flown at flight altitudes designed to achieve a nominal photographic scale of 1:7,920, with the nominal flight altitude above ground of 1,207 meters (3,960 feet) with a 6” focal length lens.
- (b) Deviation from the specified flight altitude shall not exceed 2% low or 3% high. See County NRI Site Location Description listing for minimum and maximum ground elevations (Attachment B).
- (c) NRI Site Flight Requirements:
 - (1) Flight Orientation: North - South or East - West
 - (2) Allowable Horizontal Deviation from Site Centroid: 109 meters (356 feet).
 - (3) The NRI Site Centroids shall be identified by latitude - longitude coordinates based on NAD 1983, and expressed in decimal degrees with five (5) decimal places of precision (31.50255, 87.10906).

3.5 Project Map: See Exhibit 1.

4.0 GOVERNMENT-FURNISHED PROPERTY

Pursuant to the Government-Furnished Property (GFP) clause (see Section I-7) the Government shall furnish the item(s) of property listed below as GFP to the Contractor.

4.1 Exposure Data

The Contractor will be furnished upon award, one (1) data text file containing the official Exposure Data. The data file contains latitude/longitude coordinates and NRI site identification data. The following data shall be furnished by the government as represented by the following sample data set (not actual site locations):

St	abv	County	Fips	Poly-id	Latitude	Longitude	elev(ft)	Acres
PR		Adjuntas	72001	72129_040402R	32.38066	-86.66086	2308	41.962
PR		Arecibo	72013	72101_080402R	42.01980	-72.83128	20	43.252
USVI		St. Croix	78010	72135_020102R	40.44244	-85.86891	180	165.209

5.0 2006 NRI DELIVERY SCHEDULE

5.1 The modified delivery requirements for the 2006 NRI Program as they apply to this task order are for final delivery 30 days after the end of the flying season. The required delivery date for the imagery and associated scans is **April 30, 2007**. It is *recommended* that all delivery materials be shipped 15 calendar days after the date complete photographic coverage has been obtained of a county or area. Prompt delivery of materials will better assure timely inspection and continuous delivery to the NRCS.

5.2 Scanned Imagery Delivery Schedule

The scanned images shall be delivered as each external hard drive is filled to its capacity of approximately of 200 to 300 gigabytes.

The *recommended* delivery schedule, to encourage prompt delivery, is for each external hard drive, to be shipped as early as possible, but no later than 15 calendar days after the last acquisition date of imagery contained on the hard drive.

The required final delivery date for all scanned imagery shall be 30 calendar days after the end of the last photographic period or any extension thereof. The external hard drive may contain more than one area and may contain partial county coverage. Refer to this Task Order, Section 3.2(d) Content of Drives, and the original contract for further explanation.

6.0 ADMINISTRATIVE MATTERS

6.1 Annual Representations and Certifications, FAR Clause 52.204-8 (JAN 2006)

NRI Contractors shall complete electronic annual representations and certifications at <http://orca.bpn.gov> in conjunction with the required registration in the Central Contractor Registration (CCR) database. Contractors shall submit updates to the Online Representations and Certifications Application (ORCA) as necessary, but at least annually, to ensure they are kept current, accurate, and complete. The representations and certifications are effective until one year from the date of submission or update to ORCA. Please refer to Section K-1, Annual Representations and Certifications, FAR Clause 52.204-8 (JAN 2006), Modification 3, of the contract.

6.2 Small Business Subcontracting Plan, FAR Clause 52.204-8 (JAN 2006)

All NRI Contractors, except those certified as a small business concern, shall submit a subcontracting plan that separately addresses subcontracting with small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business concerns, small disadvantaged business and women owned small business concerns. The subcontracting plan shall be included and made a part of the resultant task order award and be negotiated with the Contracting Officer during the task order negotiation period. Failure to submit and negotiate the subcontracting plan shall make the offeror ineligible for award. Please refer to Section I-7, Clauses Incorporated by Reference, Small Business Subcontracting Plan, FAR Clause 52.219-09 (JAN 2002), of the contract.

7.0 IMAGERY DATA AND COUNTY NAMING CONVENTIONS

The County Names and FIPS codes provided in the ASCII Text File shall be used for organizing and submitting all imagery (photographic and scanned) associated with this project. It should be noted that the “Poly_id(s)” in the data set ***do not necessarily match*** the County Names and FIPS codes that have been provided. This is a known issue with historic data that is used in the Puerto Rico and U.S. Virgin Islands NRI sites.

LIST OF ATTACHMENTS

EXHIBIT	DESCRIPTION	PAGE
Exhibit 1	Puerto Rico and U.S. Virgin Islands NRI Locations (1 page)	8
Exhibit 2	Equipment and Information Updates (2 pages)	9-10
Exhibit 3	Reserved	
Exhibit 4	Progress Report (1 page)	11
Exhibit 5	Packing Slip (1 page)	12
Attachment A	Reserved	
Attachment B	County NRI Site Location Description listing for minimum and maximum ground elevations (1 page).	

EXHIBIT 1

Puerto Rico and U.S. Virgin Islands NRI Locations

Puerto Rico and U.S. Virgin Islands NRI Locations

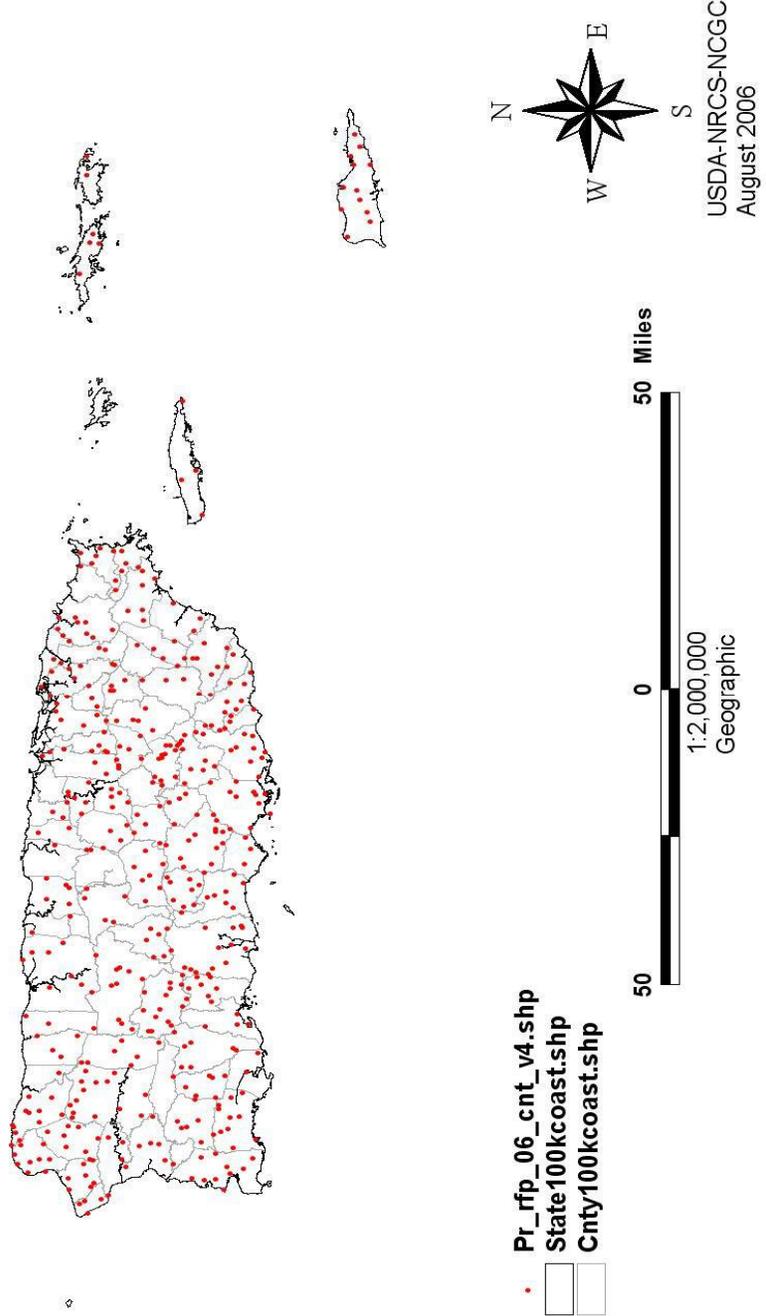


EXHIBIT 2

EQUIPMENT AND INFORMATION UPDATES

AIRCRAFT TO BE USED IN COMPLETION OF ITEM(S) IN THIS TASK ORDER:

Make/Model	Registration #	Operating Ceiling	Bidder Owned (check appropriate block)
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *

* If the aircraft is/are not offeror owned, a written statement of availability from the owner of the aircraft must be enclosed. See Section C-2 of the original contract.

CAMERA(S) TO BE USED IN COMPLETION OF ITEM(S) IN THIS TASK ORDER:

Current calibration report(s) must be enclosed or on file at the Aerial Photography Field Office.

Make/Model	Lens Number	Magazine Number	Bidder Owned (check appropriate block)
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *

If the camera(s) is/are not offeror owned, a written statement of availability from the owner(s) of the camera(s) must be enclosed. See Section C-2 of the original contract.

INCOMPLETE CONTRACTS AS OF DATE OF PROPOSAL:

<i>Indicate by Linear Miles</i>	Remaining Work - Summer	Remaining Work - Winter
U.S. Government Contracts		
All Other Contracts		

EXHIBIT 2

EQUIPMENT AND INFORMATION UPDATES (Continued)

KEY PERSONNEL INTENDED FOR PERFORMANCE ON THIS TASK ORDER:

List all key professional and technical personnel intended to perform on this contract. List may include project manager, pilot(s), photographer(s), and key back-up or support personnel.

Name	Title	Education	Years of Experience

PROPOSED AERIAL PHOTO ACQUISITION SUBCONTRACTS FOR THIS TASK ORDER:

List all proposed subcontractors, and related information, intended to perform aerial photography acquisition on this task order.

Company Name and Address and Telephone Number	Areas Proposed	% of Total Acquisition	Camera Lens Number Proposed for Use

EXHIBIT 4

U.S. DEPARTMENT OF AGRICULTURE

AERIAL PHOTOGRAPHY PROGRESS REPORT**INSTRUCTIONS**

This report shall be prepared only for days that performance is accomplished in acquiring project photography. Reports shall be submitted to the government office E-mail address indicated below no later than the day following performance. Reports shall be submitted in ASCII text format. A list of NRI Sites flown shall be indicated by their county and NRI identification numbers, and shall reflect only the previous day's performance. A cumulative progress record of all sites acquired shall be maintained by the Contractor.

**2006 NRI PROGRESS REPORT
USDA-NRCS-2-06, ITEM #****TO:**

Geoff Gabbott, Contracting Officer
Aerial Photography Field Office
E-mail Address: NRI.apfo.reports@slc.usda.gov

FROM:

Name
Company
Telephone Number

PERFORMANCE RECORD:

Date Acquired: 06-JUN-05

NRI Sites Acquired:

01035_040402R
01061_030503R
01061_030602R
01067_010301B
01067_030202R
01067_030402B
01067_030403B
01067_040202R
01067_040402B
01067_060403B

EXHIBIT 5

PACKING SLIP

STATEMENT OF SHIPMENT FOR 2006 NRI SITES

<p>INSTRUCTIONS: This document will accompany all shipments from the contractor. Please complete the requested information at the top of the page and indicate all counties that are included in this shipment with an "X". If quantities submitted for individual counties differ from the quantities listed, then a quantity of NRI Sites acquired for the county(s) should be recorded instead.</p>	
<p>SEND TO: CONTRACTING OFFICER USDA-FSA-APFO 2222 WEST 2300 SOUTH SALT LAKE CITY, UT 84119-2020</p>	<p>DATE: _____ SHIPMENT NUMBER: _____ TOTAL OF NRI SITES IN SHIPMENT: _____ TOTAL OF COUNTIES IN SHIPMENT: _____</p>

STATE: ALABAMA
 TOTAL COUNTIES: 67
 TOTAL NRI SITES: 1,401

NRI			NRI				
FIPS	SITES	COUNTY	FIPS	SITES	COUNTY		
[]	01001	13	AUTAUGA	[]	01075	9	LAMAR
[]	01003	22	BALDWIN	[]	01077	28	LAUDERDALE
[]	01005	17	BARBOUR	[]	01079	29	LAWRENCE
[]	01007	17	BIBB	[]	01081	25	LEE
[]	01009	30	BLOUNT	[]	01083	27	LIMESTONE
[]	01011	13	BULLOCK	[]	01085	28	LOWNDES
[]	01013	13	BUTLER	[]	01087	26	MACON
[]	01015	15	CALHOUN	[]	01089	27	MADISON
[]	01017	22	CHAMBERS	[]	01091	25	MARENGO
[]	01019	21	CHEROKEE	[]	01093	14	MARION
[]	01021	26	CHILTON	[]	01095	21	MARSHALL
[]	01023	19	CHOCTAW	[]	01097	36	MOBILE
[]	01025	11	CLARKE	[]	01099	23	MONROE
[]	01027	14	CLAY	[]	01101	34	MONTGOMERY
[]	01029	11	CLEBURNE	[]	01103	28	MORGAN
[]	01031	21	COFFEE	[]	01105	24	PERRY
[]	01033	22	COLBERT	[]	01107	19	PICKENS
[]	01035	17	CONECUH	[]	01109	20	PIKE
[]	01037	14	COOSA	[]	01111	14	RANDOLPH
[]	01039	20	COVINGTON	[]	01113	21	RUSSELL
[]	01041	20	CRENSHAW	[]	01115	18	ST CLAIR
[]	01043	19	CULLMAN	[]	01117	13	SHELBY
[]	01045	30	DALE	[]	01119	16	SUMTER
[]	01047	20	DALLAS	[]	01121	24	TALLADEGA
[]	01049	29	DE KALB	[]	01123	19	TALLAPOOSA
[]	01051	16	ELMORE	[]	01125	30	TUSCALOOSA
[]	01053	19	ESCAMBIA	[]	01127	14	WALKER
[]	01055	24	ETOWAH	[]	01129	25	WASHINGTON
[]	01057	10	FAYETTE	[]	01131	17	WILCOX
[]	01059	12	FRANKLIN	[]	01133	20	WINSTON
[]	01061	24	GENEVA				
[]	01063	30	GREENE				
[]	01065	30	HALE				
[]	01067	18	HENRY				
[]	01069	28	HOUSTON				
[]	01071	22	JACKSON				
[]	01073	18	JEFFERSON				

ATTACHMENT B
COUNTY NRI SITE DESCRIPTION

AREA	COUNTY	FIPS	COUNT	MIN ELEV FT	MAX ELEV FT
PR	Adjuntas	72001	15	1076	3002
PR	Aguada	72003	6	0	538
PR	Aguadilla	72005	9	0	604
PR	Aguas Buenas	72007	6	942	1552
PR	Aibonito	72009	4	1263	2037
PR	Anasco	72011	4	98	535
PR	Arecibo	72013	8	0	1056
PR	Arroyo	72015	4	3	1690
PR	Barceloneta	72017	1	16	16
PR	Barranquitas	72019	5	1572	2369
PR	Bayamon	72021	3	115	725
PR	Cabo Rojo	72023	10	0	328
PR	Caguas	72025	6	207	928
PR	Camuy	72027	3	682	817
PR	Canovanas	72029	2	1089	1158
PR	Carolina	72031	8	3	617
PR	Catano	72033	2	3	10
PR	Cayey	72035	9	1115	2382
PR	Ceiba	72037	4	49	669
PR	Ciales	72039	5	472	1316
PR	Cidra	72041	12	1030	1883
PR	Coamo	72043	15	413	2605
PR	Comerio	72045	2	1381	1785
PR	Corozal	72047	4	997	1906
PR	Dorado	72051	3	33	292
PR	Fajardo	72053	7	13	1381
PR	Florida	72054	1	525	525
PR	Guanica	72055	2	30	236
PR	Guayama	72057	12	7	2260
PR	Guayanilla	72059	4	0	551
PR	Guaynabo	72061	5	246	509
PR	Gurabo	72063	4	223	961
PR	Hatillo	72065	4	39	1004
PR	Hormigueros	72067	1	105	105
PR	Humacao	72069	4	30	449
PR	Isabela	72071	12	0	965
PR	Jayuya	72073	6	1490	3025
PR	Juana Diaz	72075	7	26	863
PR	Juncos	72077	1	302	302
PR	Lajas	72079	11	23	417
PR	Lares	72081	7	699	1588
PR	Las Marias	72083	3	374	1486
PR	Las Piedras	72085	4	331	961
PR	Loiza	72087	4	3	52
PR	Luquillo	72089	1	46	46
PR	Manati	72091	5	85	548
PR	Maunabo	72095	2	594	755
PR	Mayaguez	72097	6	30	1339
PR	Moca	72099	9	194	643
PR	Morovis	72101	1	627	627
PR	Naguabo	72103	6	233	1565
PR	Naranjito	72105	5	548	1959
PR	Orocovis	72107	7	1808	2825
PR	Patillas	72109	9	177	1335
PR	Penuelas	72111	7	279	2008
PR	Ponce	72113	14	23	2490
PR	Quebradillas	72115	1	709	709
PR	Rincon	72117	4	0	174
PR	Rio Grande	72119	9	3	2280
PR	Sabana Grande	72121	7	266	1201
PR	Salinas	72123	11	0	2257
PR	San German	72125	5	66	669
PR	San Juan	72127	5	7	597
PR	San Lorenzo	72129	4	449	1004
PR	San Sebastian	72131	11	348	1063
PR	Santa Isabel	72133	3	36	108
PR	Toa Alta	72135	6	89	397
PR	Trujillo Alto	72139	3	243	636
PR	Utua	72141	10	548	1962
PR	Vega Alta	72143	3	30	656
PR	Vega Baja	72145	1	289	289
PR	Vieques	72147	4	0	98
PR	Villalba	72149	9	459	2464
PR	Yabucoa	72151	7	112	1299
PR	Yauco	72153	8	200	3228
USVI	St. Croix	78010	12	0	285
USVI	St. John	78020	2	3	548
USVI	St. Thomas	78030	4	46	377