

SIMPLIFIED TASK ORDER REQUEST FOR PROPOSAL

OPTION YEAR 2007

for the National Resources Inventory (NRI)
Alaska NRI Site Imagery Project

**Task Order Solicitation Number: NRI-AK-TO-2-07-3 Including
Modification 1**
AERIAL PHOTOGRAPHY AND RELATED 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: NRI-AK-TO-2-07-3
DUE DATE: 11-JUL-07, 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 for the Second Option Year, covering the 2007 performance period, under the multi-award fixed-price IDIQ contract established in the base year, 2005.

Task Order awards will be made based on procedures established in Section L-3.2 of the original 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.

Orthorectification and/or Scanning of all NRI site imagery may be required. See Section 1.1, Page 1 and Sections 3.2 through 3.4, Pages 3 through 5.

This task order requires two (2) separate scales of imagery: 1:7,920 and 1:40,000.

The Non-Disclosure Agreement signed for Task Order NRI-TO-2-07-1 applies to this RFP.

This RFP is subject to the Availability of Funds Clause (FAR 52.232-18), See Section 6.4, Page 7.

TASK ORDER REQUEST FOR PROPOSAL

2007 ALASKA NATIONAL RESOURCES INVENTORY (NRI) PROGRAM

1.0 2007 NRI AERIAL PHOTOGRAPHY AND DIGITAL IMAGERY SERVICES

Furnish aerial photography services, scanning services, ortho-rectification 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

2007 ALASKA NATIONAL RESOURCES INVENTORY (NRI); AERIAL PHOTOGRAPHY AND RELATED SERVICES FOR NRI SITES			
COMPANY NAME:		AUTHORIZED SIGNATURE:	
TASK ORDER PRICING PROPOSAL			
TOTAL QUANTITY OF NRI 1:7,920 SITES/SCANS	UNIT	UNIT PRICE	TOTAL AMOUNT
384	NRI SITE	\$	\$
	SCAN	\$	\$
	ORTHO RECTIFICATION	\$	\$
TOTAL QUANTITY OF 1:40,000 (BUSH) SITES/SCANS			
197	SITE	\$	\$
	SCAN	\$	\$
	ORTHO RECTIFICATION	\$	\$
<u>PRICING PROPOSAL INSTRUCTIONS:</u>			
PLEASE NOTE:			
(1) The minimum unit of offer is a complete listed area (1:7,920 or 1:40,000 scale) including all NRI Sites within that area.			
(2) The Scan and Ortho Rectification Line Items may or may not be awarded contingent upon funding availability.			

1.2 Location Description of NRI Sites

The 581 site segments are located within the State of Alaska. The 384 NRI 1:7,920 scale sites are approximately 160 acres in size, range in elevation from sea level to 3,831' (1,168 meters) and clustered in 28 areas. The 197 (Bush) 1:40,000 scale sites vary in size from 1,686 acres to 6,643 acres, with 187 being 5,600 through 5,759 acres. The 1:40,000 scale sites range in elevation from sea level to 9,066' (2,763 meters) and are distributed throughout the state.

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 agreement signed for NRI-TO-2-07-1 applies to this proposal.

2.2 Performance Period

The performance period for the 2007 task order for the acquisition and delivery of NRI aerial photography and all related materials is:

Date of task order award through December 31, 2008.

2.3 Contract Deliverables

The deliverables for this 2007 option year Task Order consist of the following:

One (1) original color positive film transparency of each NRI site, cut and sleeved;
Optional Items:
One (1) digital scan of each transparency;
Scan Data File(s) for scanned imagery.
One (1) orthorectified image in GeoTIFF format of each NRI site with its accompanying metadata file.

Only **one (1)** aerial film image and its associated scan and/or orthorectified image shall be provided for each of the NRI Sites 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 Scales:

- (1) Standard Nominal Scale: 1:7,920
- (2) Non-Standard Nominal Scale: 1:40,000 (See Section 3.7)

(b) Minimum Sun Angle: 30 Degrees

(c) Aerial Camera:

Nominal Lens Focal Length: 6 inch (153mm); Filter: Antivignetting

(d) 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.

(e) 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.

(f) 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 nominal dimensions: 25.4 cm (10 inches) by 24.1 cm (9.5 inches); long side open; 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 located on the short side (9.5") of the sleeve.
- (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 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 Scan Data File Description

Contractor shall furnish a Scan Data File in ASCII comma delimited text format containing, at a minimum, the following data:

File Name: scan_data_item.txt (i.e. scan_data_item1.txt)

Description	Number of Characters in Field
Scan File Name:	30
Scan resolution in microns	4
Samples = Columns	4
Lines = Rows	4
Camera Number (10 characters max)	10
Lens Number (10 characters max)	10
Camera Calibration Date (ddmmyyyy)	8
Exposure Date (ddmmyyyy)	8
Time of Exposure in 24 hour format (hhmm)	4
Scanner Manufacturer and Model Number: "Free text with quotations" (50 characters max)	50

Example:

scan_05109_020291r_2005.tif, 40, 6400, 5900, 1234567890, 1234567890, 14112005, 27062007, 1326, "LHS XXXXX Photogrammetric Scanner"

3.4 Digital Orthorectification Requirements

Refer to the Original IDIQ Contract (including associated Modifications) Section C-8, Digital Orthorectification, for specifications. Refer to Exhibit 4, External Combo USB2.0/IEEE1394 (Firewire) Hard Drive Label, page 12, for hard drive labeling specifications.

3.5 Size of Sample Sites

The nominal size of a NRI 1:7,920 scale sample site is approximately 160 acres (1/4 square mile). The nominal size of the (Bush) 1:40,000 scale sample site is 5,700 acres (1/4 Alaska Township.)

3.6 Approximate Photographic Period

The photographic period for this project is from **June 1, 2008 through August 31, 2008.** |

3.7 Project Flight Plan Description

- (a) All NRI 1:7,920 scale sites (approximately 160 acre size) shall be flown at flight altitudes designed to achieve the 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. The maximum flying altitude is approximately 2,375 meters (7,791 feet.)
- (b) All (Bush) 1:40,000 scale sites (approximately 1,686 through 6,643 acre size) shall be flown at flight altitudes designed to achieve the nominal photographic scale of 1:40,000, with the nominal flight altitude above ground of 6,096 meters (20,000 feet) with a 6" focal length lens. The maximum flying altitude is approximately 8,859 meters (29,066 feet.)
- (c) Deviation from the specified flight altitude shall not exceed 2% low or 3% high.
- (d) 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).

3.8 Project Maps: See Exhibits 1, 2, and 3.

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, two (2) data text file containing the official Exposure Data. The data files contain latitude/longitude coordinates and NRI site identification data based on the nominal scale of the site (1:7,920 or 1:40,000.) The following data shall be furnished by the government as represented by this sample data set (not actual site locations):

FIPS	Censusname	Bushpsuid/Nripsuid	Latitude	Longitude	Elev(Ft)	Acres
02050	Bethel	01035_040402R	32.38066	-86.66086	308	160.345
02070	Dillingham	09003_080402R	42.01980	-72.83128	446	152.622
02013	Aleutians East	02013_B0010	40.44244	-85.86891	846	5759.695
02282	Yakutat	02282_B0101	34.86437	-81.42939	3851	5691.527

5.0 2007 NRI DELIVERY SCHEDULE

5.1 The modified delivery requirements for the 2007 NRI Program are designed to achieve a more uniform and consistent acquisition and delivery of materials from contractors. This is to facilitate a required steady flow of NRI Site data; both film and scans, to the three (3) NRCS Remote Sensing Labs for processing. In order to accomplish this objective, the timely acquisition of all first photo period counties and state photo period sites, and the prompt delivery of all materials is essential.

It is **recommended** that all delivery materials be shipped 15 calendar days after the date complete photographic coverage has been obtained of a state photo season county. Prompt delivery of materials will better assure timely inspection and continuous delivery to the NRCS.

5.3 Scanned Imagery/Ortho-Rectified Imagery Delivery Schedule

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

- (a) 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.
- (b) The **required** delivery schedule, to facilitate timely delivery with more consistent and uniform flow of contract materials, is for each external hard drive to be shipped no later than 30 calendar days after the latest 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 state 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.

6.3 Non-Disclosure Requirements

All individuals handling NRCS “For Official Use Only” data, any geographically identifiable photography, and any scanned imagery/ortho-rectified imagery developed from the photography shall be required to agree to, by signature, the statements in the Non-Disclosure Agreement provided as part of Task Order NRI-TO-2-07-1. The contractor shall maintain those agreements and make them available to APFO and/or NRCS upon written request.

6.4 Availability of Funds (FAR 52.232-18, April 1984)

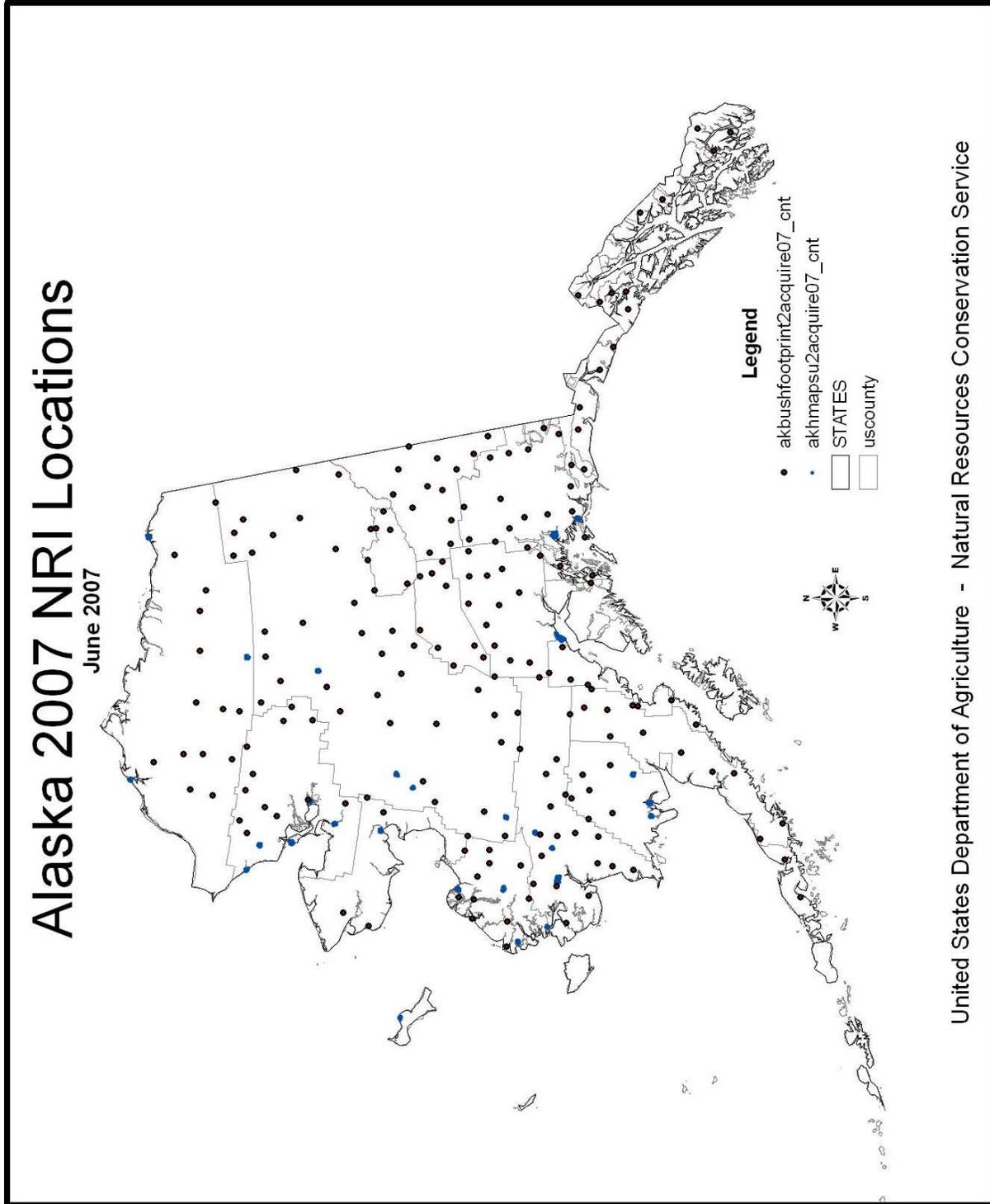
Funds are not presently available for this contract. The Government’s obligation under this contract is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are made available to the Contracting Officer for this contract and until the Contractor receives notice of such availability, to be confirmed in writing by the Contracting Officer.

LIST OF ATTACHMENTS

EXHIBIT	DESCRIPTION	PAGE
Exhibit 1	Alaska 2007 NRI Locations (1 page)	9
Exhibit 2	Alaska 2007 NRI 1:7,920 Sites (1 page)	10
Exhibit 3	Alaska 2007 1:40,000 (Bush) Sites (1 page)	11
Exhibit 4	External Combo USB2.0/IEEE1394 (Firewire) Hard Drive Label (1 page)	12
Exhibit 5	Equipment and Information Updates (2 pages)	13 - 14
Exhibit 6	Progress Report (1 page)	15
Exhibit 7	Packing Slip (1 page)	16

EXHIBIT 1

Alaska 2007 NRI Locations



United States Department of Agriculture - Natural Resources Conservation Service

EXHIBIT 2

Alaska 2007 NRI 1:7920 Sites

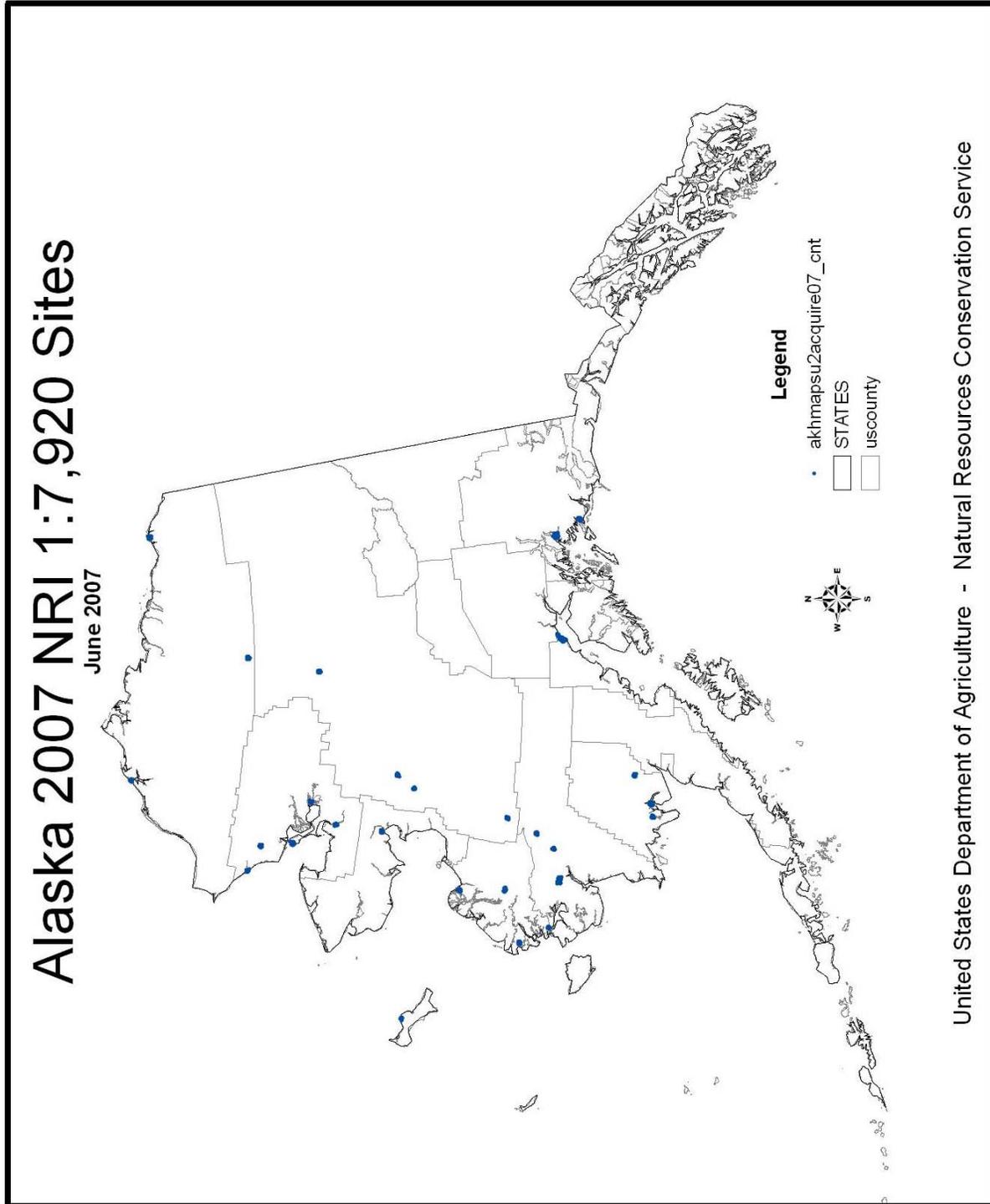


EXHIBIT 3

Alaska 2007 1:40,000 (Bush) Sites

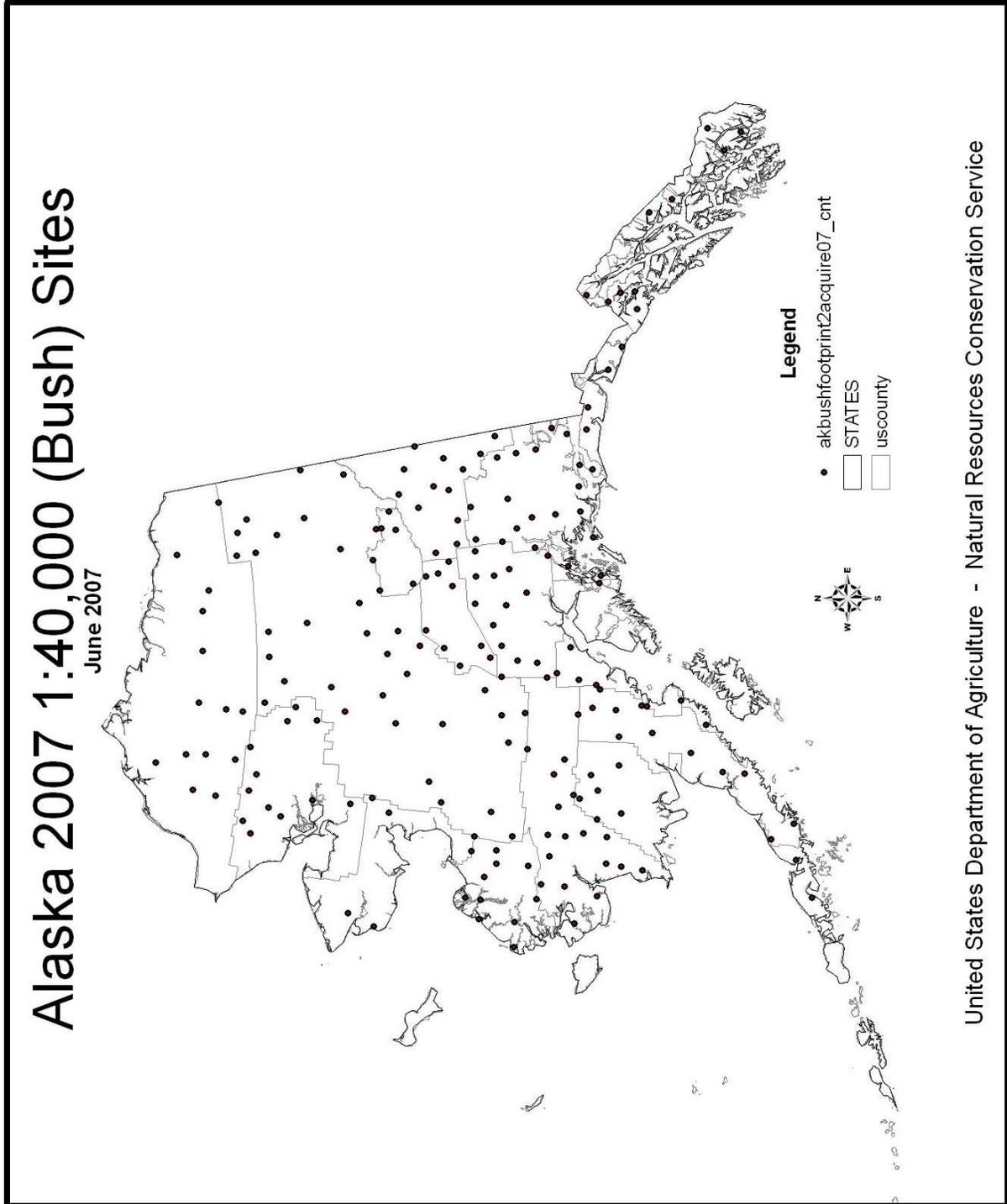
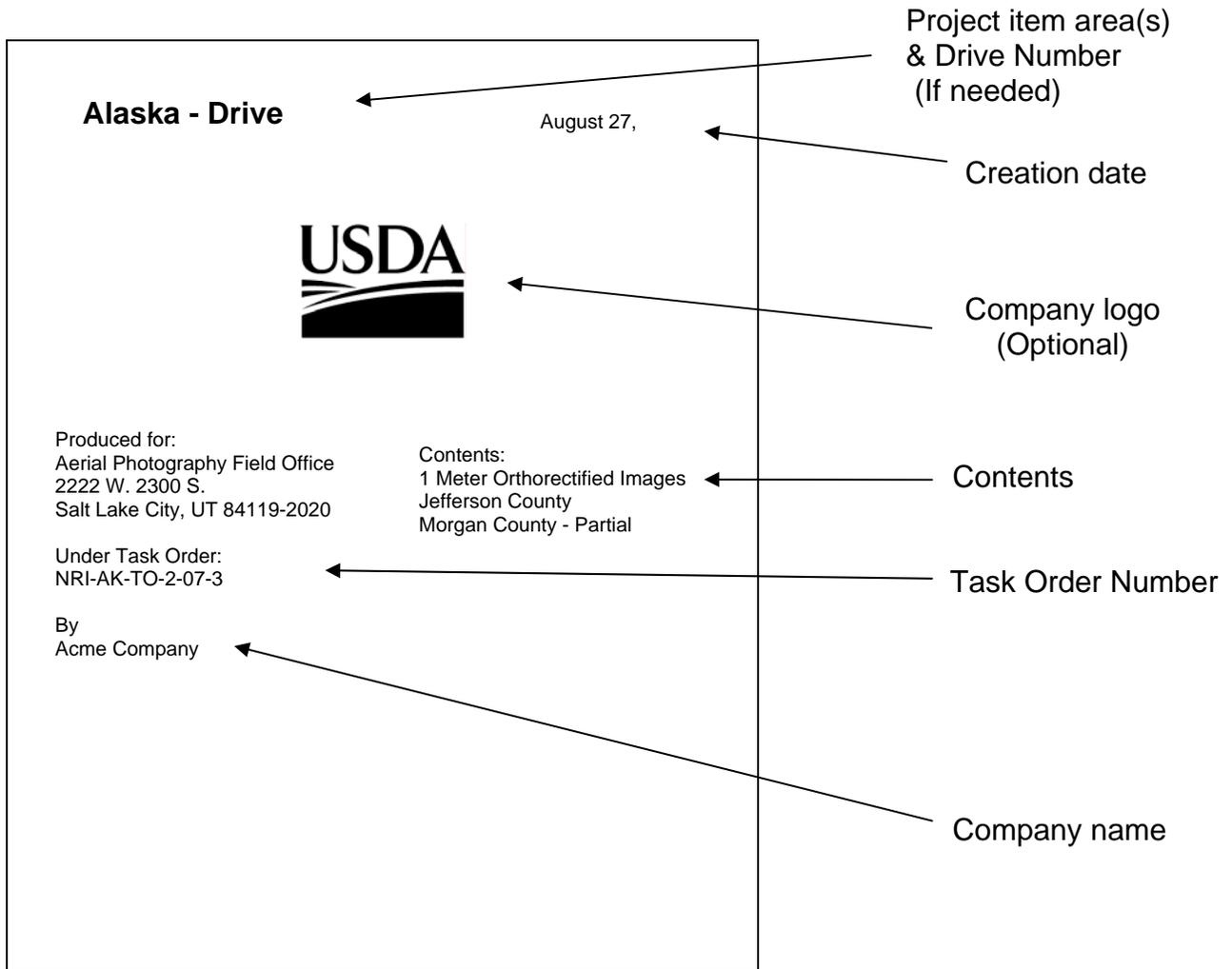


EXHIBIT 4

External Combo USB2.0/IEEE1394 (Firewire) Hard Drive Label



Label is sized to fit the drive as needed: Approximately 3 1/2" X 4 1/2"

EXHIBIT 5

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 5 (Page 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 6

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.

**2007 NRI PROGRESS REPORT
USDA-NRCS-2-07, 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-07

NRI Sites Acquired:

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

EXHIBIT 7

PACKING SLIP

STATEMENT OF SHIPMENT FOR 2007 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: ALASKA

TOTAL COUNTIES: 1:7,920 Scale: 10; 1:40,000 Scale: 22

TOTAL NRI SITES: 1:7,920 Scale: 384; 1:40,000 Scale: 197

OVERALL TOTAL: 581 Sites

1:7,920 Scale NRI Sites			
	FIPS	SITES	COUNTY
[]	02050	61	BETHEL
[]	02070	40	DILLINGHAM
[]	02122	29	KENAI PENINSULA
[]	02170	2	MATANUSKA-SUSITNA
[]	02180	25	NOME
[]	02185	37	NORTH SLOPE
[]	02188	65	NORTHWEST ARCTIC
[]	02261	35	VALDEZ-CORDOVA
[]	02270	40	WADE HAMPTON
[]	02290	50	YUKON-KOYUKUK

1:40,000 Scale NRI (Bush) Sites			
	FIPS	SITES	COUNTY
[]	02013	3	ALEUTIANS EAST
[]	02050	19	BETHEL
[]	02068	9	DENALI
[]	02070	6	DILLINGHAM
[]	02090	5	FAIRBANKS NORTH STAR
[]	02100	1	HAINES
[]	02122	7	KENAI PENINSULA
[]	02130	2	KETCHIKAN GATEWAY
[]	02150	1	KODIAK ISLAND
[]	02164	10	LAKE AND PENINSULA
[]	02170	13	MATANUSKA-SUSITNA
[]	02180	5	NOME
[]	02185	14	NORTH SLOPE
[]	02188	12	NORTHWEST ARCTIC
[]	02201	1	PRINCE OF WALES-OUTER KETCHIKA
[]	02232	5	SKAGWAY-HOONAH- ANGOON
[]	02240	13	SOUTHEAST FAIRBANKS
[]	02261	19	VALDEZ-CORDOVA
[]	02270	11	WADE HAMPTON
[]	02280	1	WRANGELL-PETERSBURG
[]	02282	5	YAKUTAT
[]	02290	35	YUKON-KOYUKUK