2005 NAIP Survey
Executive Summary
For
Louisiana

USDA
Farm Service Agency

Aerial Photography Field Office

March 2006

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Executive Summary Supplemental Documents (Detached):
Executive Summary Supplemental 1 – NAIP Survey Text Comments for Question 13 (MS Word)
Executive Summary Supplemental 2 – NAIP Survey Text Comments for Question 14 (MS Word)

Section 1

1.0 Introduction

The primary purpose of NAIP is to acquire peak growing season "leaf on" imagery, and deliver this imagery to United States Department of Agriculture (USDA) County Service Centers in order to maintain Common Land Unit (CLU) boundaries and assist with crop compliance and a multitude of other farm programs.

As evidenced by the types of customers requesting NAIP imagery, the imagery has other purposes as well. Although our primary customers are States and County Service Centers, other uses for NAIP imagery, including military, real estate, recreation, planning, etc., cannot be overlooked.

NAIP is a program with a relatively short history, beginning with pilot projects in 2001 and 2002, and moving to full volume acquisition in 2003 to 2005, based on funding and partnering. NAIP is moving out of the research and development phase and into sustainment status. By moving into a sustainment phase, a program can build and evaluate a quality business process, and stabilize. Part of this process is evaluating how NAIP is working for its primary customers.

1.1 Purpose and Scope

The focus of this document is to assess in a qualitative manner how NAIP is satisfying customer needs in Louisiana. In other words, "How did APFO do in providing *useful* NAIP imagery for its primary customer?" Answering this question comprises the purpose and scope.

1.2 Survey Submittals

For the initial disposition, the following States were sent surveys to disseminate to County Service Centers for completion: WA, OR, OK, KS, NE, MO, IA, MN, WI, IL, IN, OH, CT, and NC. No responses were received from KS or AZ by the 15 Dec 2005 due date. WA noted that they would respond to the survey, but due to imagery delivery/redelivery dates, responses would likely be after 15 Dec.

A second waive of surveys was sent to the following States to disseminate to County Service Centers for completion: CA, CO, MT, ND, SD, TX, **LA**, MS, AL, GA, FL, SC, VA, MD, PA, MI, RI, and CT. Responses were requested by 17 Feb, and by 9 Mar for select states which received imagery "late". Surveys were accidentally sent to CT twice, however, County Service Centers only responded once. LA noted that they would only be able to get a few Counties to complete the survey by the 9 Mar due date. MI noted they would not be able to participate in the survey because of CIR rework that would be completed after the survey due date. MT noted that due to the late distribution of imagery, surveys would likely be returned after the 9 Mar due date. During the second waive of surveys, no survey responses were received by CO, GA, MI, or AL. Surveys received after 9 Mar 06 were not scored.

Section 2

2.0 Qualitative Evaluation Summary

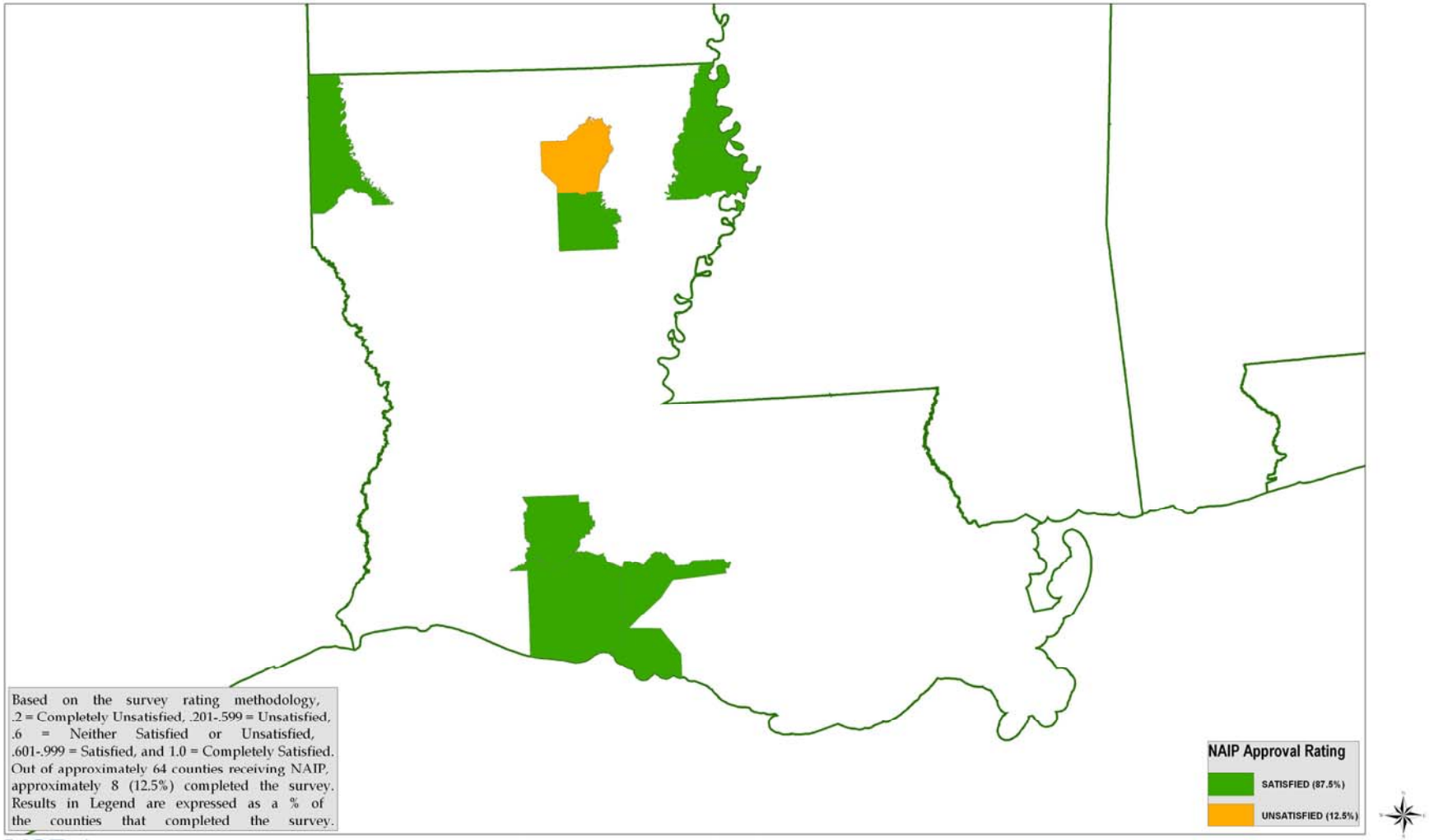
NAIP Assessment Surveys were provided by email to County Service Centers via the State Office and responses were requested by 9 Mar 06. Out of the responses received, in Louisiana, 329 of a possible 450 points were achieved, for a weighted average score out of 1.0 of .731, for a rating of 73.1%. Translated into survey terms, this is an overall rating of "Satisfied". The map on the following page graphically represents overall survey results by county. These results indicate that generally the counties that participated in the survey were satisfied with 2005 NAIP and that the products met customer needs most of the time. However, there is room for improvement.

Most textual comments from the survey revolved around color quality, type, and timing of imagery acquisition and delivery. Textual comments can be found in the Executive Summary Supplementals 1 and 2. A statistical summary by question of survey results is shown below. Note that Q1-8 are out of a possible 5 points and Q9-10 are out of a possible 10 points. Statistically, the lowest average scoring question was Q1, "Was the imagery received by your office in time to be useful for crop compliance work?" Statistically, the highest scoring questions were Q6 and Q8, "Is the imagery useful for measurement services?" and "Is the imagery useful for historical purposes, including prior year crop disaster measurements, or any other purpose where comparing older imagery to newer, or historical change detection is of importance?" respectively.

Q1		*Q2*		*Q3*		*Q4*		*Q5*	
Mean	2	Mean	3.625	Mean	4.375	Mean	4.125	Mean	4.166666667
Standard Error	0.327326835	Standard Error	0.497762852	Standard Error	0.182981264	Standard Error	0.226581742	Standard Error	0.401386486
Median	2	Median	4	Median	4	Median	4	Median	4.5
Mode	3	Mode	4	Mode	4	Mode	4	Mode	5
Standard Deviation	0.9258201	Standard Deviation	1.407885953	Standard Deviation	0.51754917	Standard Deviation	0.640869944	Standard Deviation	0.98319208
Sample Variance	0.857142857	Sample Variance	1.982142857	Sample Variance	0.267857143	Sample Variance	0.410714286	Sample Variance	0.966666667
Kurtosis	-2.1	Kurtosis	0.482688093	Kurtosis	-2.24	Kurtosis	0.741020794	Kurtosis	-2.390011891
Skewness	0	Skewness	-1.15821216	Skewness	0.644061189	Skewness	-0.067842565	Skewness	-0.455939252
Range	2	Range	4	Range	1	Range	2	Range	2
Minimum	1	Minimum	1	Minimum	4	Minimum	3	Minimum	3
Maximum	3	Maximum	5	Maximum	5	Maximum	5	Maximum	5
Sum	16	Sum	29	Sum	35	Sum	33	Sum	25
Count	8	Count	8	Count	8	Count	8	Count	6

Q6		*Q7*		*Q8*		*Q9_X2*		*Q10_X2*	
Mean	4.625	Mean	4.5	Mean	4.625	Mean	6.857142857	Mean	5.25
Standard Error	0.182981264	Standard Error	0.341565026	Standard Error	0.182981264	Standard Error	0.737711114	Standard Error	0.75
Median	5	Median	5	Median	5	Median	6	Median	5
Mode	5	Mode	5	Mode	5	Mode	6	Mode	4
Standard Deviation	0.51754917	Standard Deviation	0.836660027	Standard Deviation	0.51754917	Standard Deviation	1.951800146	Standard Deviation	2.121320344
Sample Variance	0.267857143	Sample Variance	0.7	Sample Variance	0.267857143	Sample Variance	3.80952381	Sample Variance	4.5
Kurtosis	-2.24	Kurtosis	1.428571429	Kurtosis	-2.24	Kurtosis	0.042	Kurtosis	-0.93968254
Skewness	-0.644061189	Skewness	-1.536722498	Skewness	-0.644061189	Skewness	0.276667671	Skewness	0.044895669
Range	1	Range	2	Range	1	Range	6	Range	6
Minimum	4	Minimum	3	Minimum	4	Minimum	4	Minimum	2
Maximum	5	Maximum	5	Maximum	5	Maximum	10	Maximum	8
Sum	37	Sum	27	Sum	37	Sum	48	Sum	42
Count	8	Count	6	Count	8	Count	7	Count	8

2005 NAIP - Overall Qualitative Survey Results



USDA

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0 50 100 Kilometers

Map Date: 14 March 06