

County Scorecard Update NACS

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Background

- NOAA has a relatively new performance metric that assesses how well we are doing at “enabling” local capacity for accurate positioning. This metric:
 - Makes use of NOAA’s Online Positioning User Service (OPUS) as a proxy to assess the local use of NOAA positioning tools and services. Was developed over the past several years in partnership with National Association of County Surveyors (NACS).
 - Involves the use of a web-based county scorecard of 23 survey questions specifically focusing on infrastructure, NGS models and tools, NGS capacity building and outreach, and overall satisfaction.
- **We need input from YOU, our core customers, to help NOAA improve its geospatial products and services.**
- For more information, visit <http://www.ngs.noaa.gov/scorecard/> or contact:
 - Your NOAA State Geodetic Advisor (for current list visit <http://www.ngs.noaa.gov/ADVISORS/>)
- OR
 - Brett Howe (Brett.Howe@noaa.gov)



We want
YOU
to tell us
how we're
doing

County Scorecard Details

Our Performance Metric Asks

- Are Counties using NOAA's positioning products and services?
 - NOAA looks at County Online Positioning User Service (OPUS) use as a proxy. Have there been 25 or more OPUS solution generations in a given county in the last 12 months?
 - Counties meeting the above criteria are "substantially enabled" (shaded yellow).
- Is there feedback and interaction between the local community and NOAA?
 - Is the County in a State that participates in the NOAA State Advisor/Coordinator program?
 - Has a County Geospatial Representative been identified (eg County Surveyor, County Engineer, GIS Administrator, or equivalent)?
 - Has "blue book" data from the County been submitted to NGS through activities such as: leveling project software, GPS projects and OPUS DB (when available)?
 - Has a County Scorecard web survey been filled out by the County Geospatial Representative?
 - Counties meeting the above criteria are "fully enabled" (shaded green).



GPRA Measure Details

Indicator:

By County, a measure of the NOAA-provided level of infrastructure, tools, and local capacity needed for accurate positioning as follows:

RED – Not yet classified

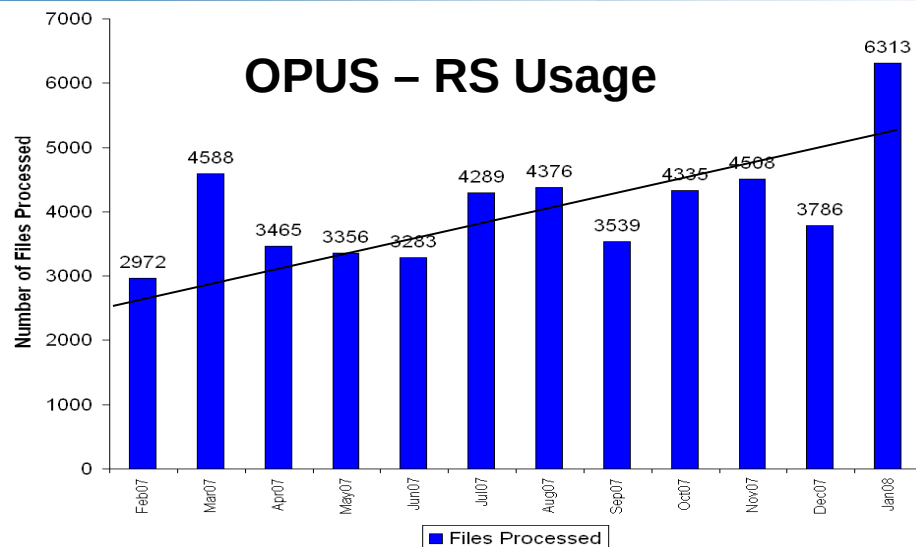
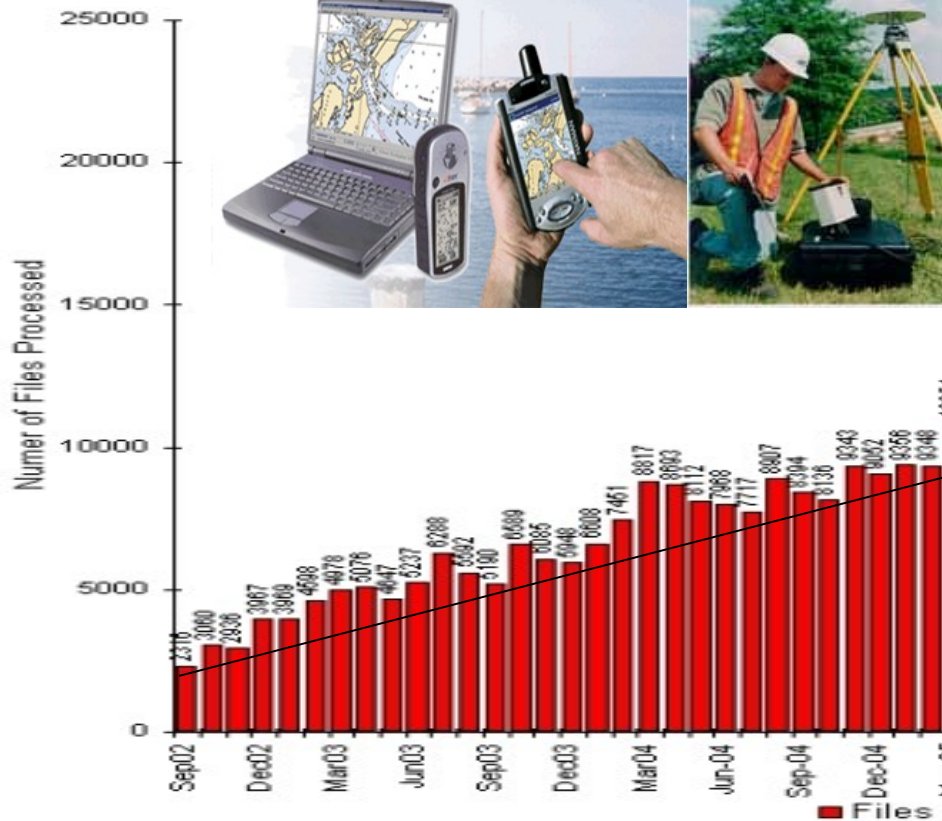
YELLOW – County “substantially enabled” to conduct accurate positioning (Use OPUS as a Proxy)

GREEN – County is “fully enabled” to conduct accurate positioning (Use County Scorecard for validation to improve NGS products and services)
and

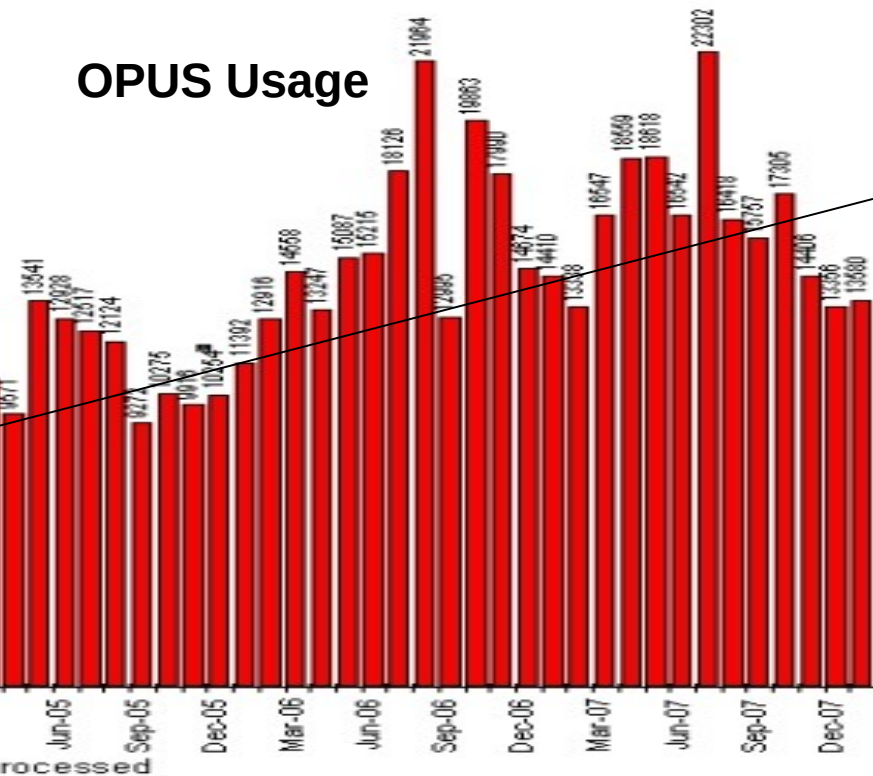
OPUS

- Users submit GPS data to NGS, where they are processed using NGS computers and software.
- The resulting precise positions are emailed back to the user.

OPUS and OPUS-RS Statistics 2002 - 2008



OPUS Usage



The Latest:

- Internet Site Developed

<http://www.ngs.noaa.gov/scorecard/>

CONTAINS:

- General Information and FY08 Action Plan
 - Detailed Survey Results
 - Presentations and Updates
 - Online form to request survey
- 667 Total Responses from Nov 2005 - Present
 - 142 from NACS members
 - 160 from GIS Mapping Users
 - 132 from "Other Land Surveyor/Engineer"
- Proactively integrating survey results into management decisions
 - Conducting workshops in areas with an identified need
 - Re-tailoring workshop program based on customer needs
 - Analyzing results for ways to improve products and services

GPRA County Scorecard



We Need Representatives!

Are you interested in becoming a County Geospatial Representative?

We are looking for County Surveyors, GIS Professionals and others who can speak for the needs of individual Counties to fill out a brief web-based County Scorecard.

If so, please fill out the form below and send it to us.

Fields marked with (*) are required

*Email:

*Name:

*Position:

How Well is NOAA Meeting Local Positioning Needs?

National Geodetic Survey (NGS), has developed a new performance metric to evaluate how well it is enabling counties with accurate positioning capacity to the centimeter level relative to the National Spatial Reference System (NSRS). This metric makes use of NOAA's Online Positioning User Service (OPUS), as well as a County Scorecard, to assess county positioning capability and the success of NOAA's products and services.

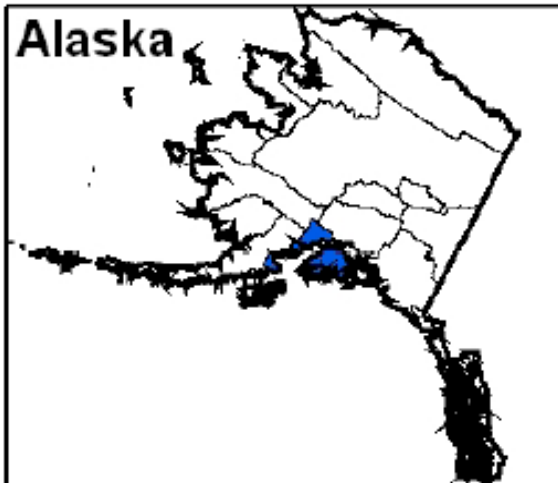
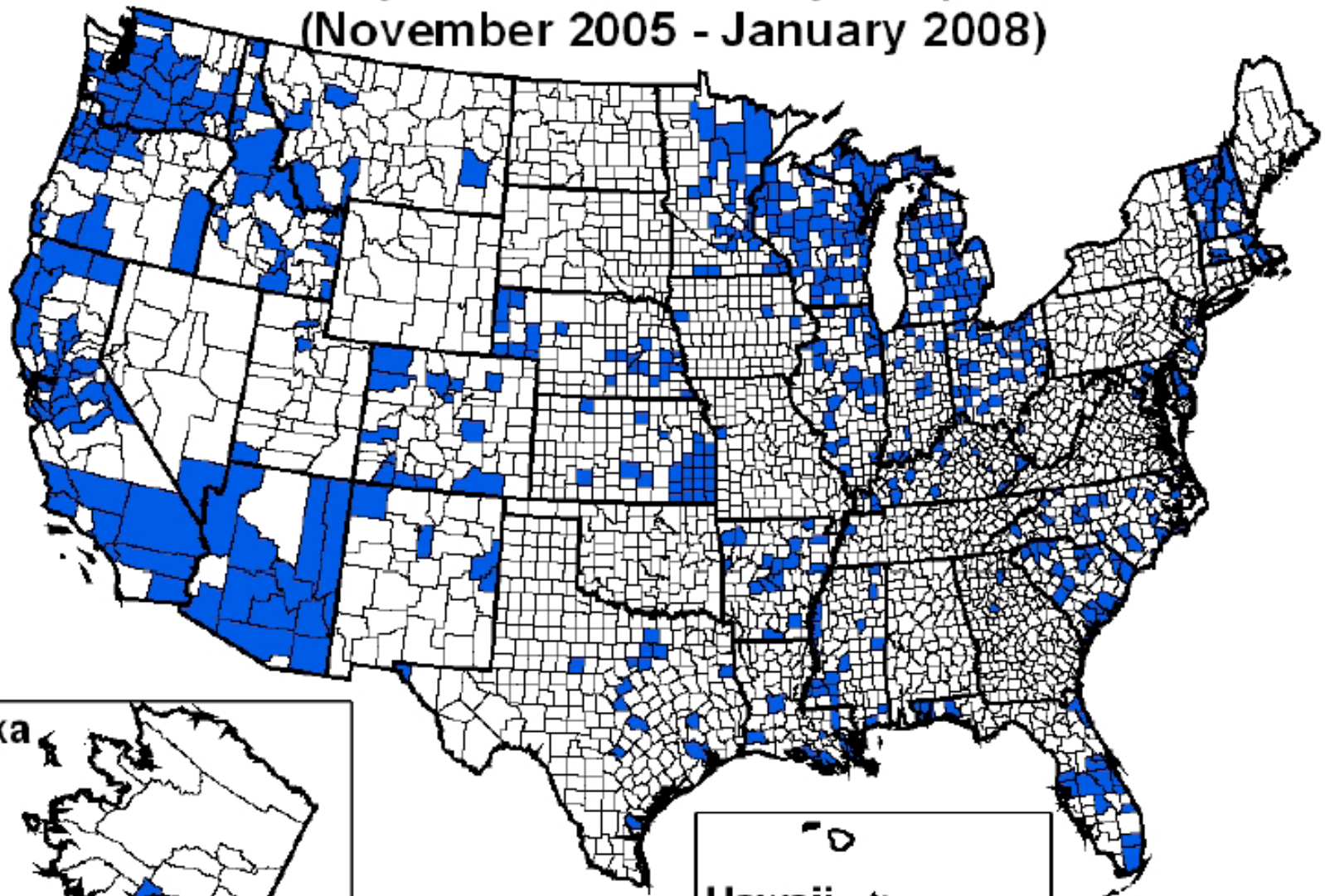
 [FY 2008 GPRA Action Plan](#)

GPRA Results

NGS began tracking its progress toward "fully or substantially" enabling counties with accurate positioning. The maps below are the quarterly updates of the percentage of U.S. counties rated as enabled or substantially enabled with accurate position capacity. It is a graphical representation of NGS' Government Performance and Results Act (GPRA) performance measure. The Government Performance and Results Act of 1993 seeks to improve Federal program effectiveness and public accountability by promoting a new focus on results, service quality and customer satisfaction. For more information on GPRA [click here](#). NGS's GPRA measure tracks progress in facilitating the capacity of state and local governments and the private sector to utilize accurate positioning information. NOAA will track county level use of its Online Position User Service (OPUS), submitted accepted bluebook data, county scorecard submissions, and identification of county representatives and State Advisors/Coordinators to determine how well it is enabling state and local governments and the private sector with accurate positioning capacity. Click the maps below for the full image and slide show feature. Just click the 'close' link when you are done viewing to return to this page. Also below is a file containing month by month progress and GPRA targets.

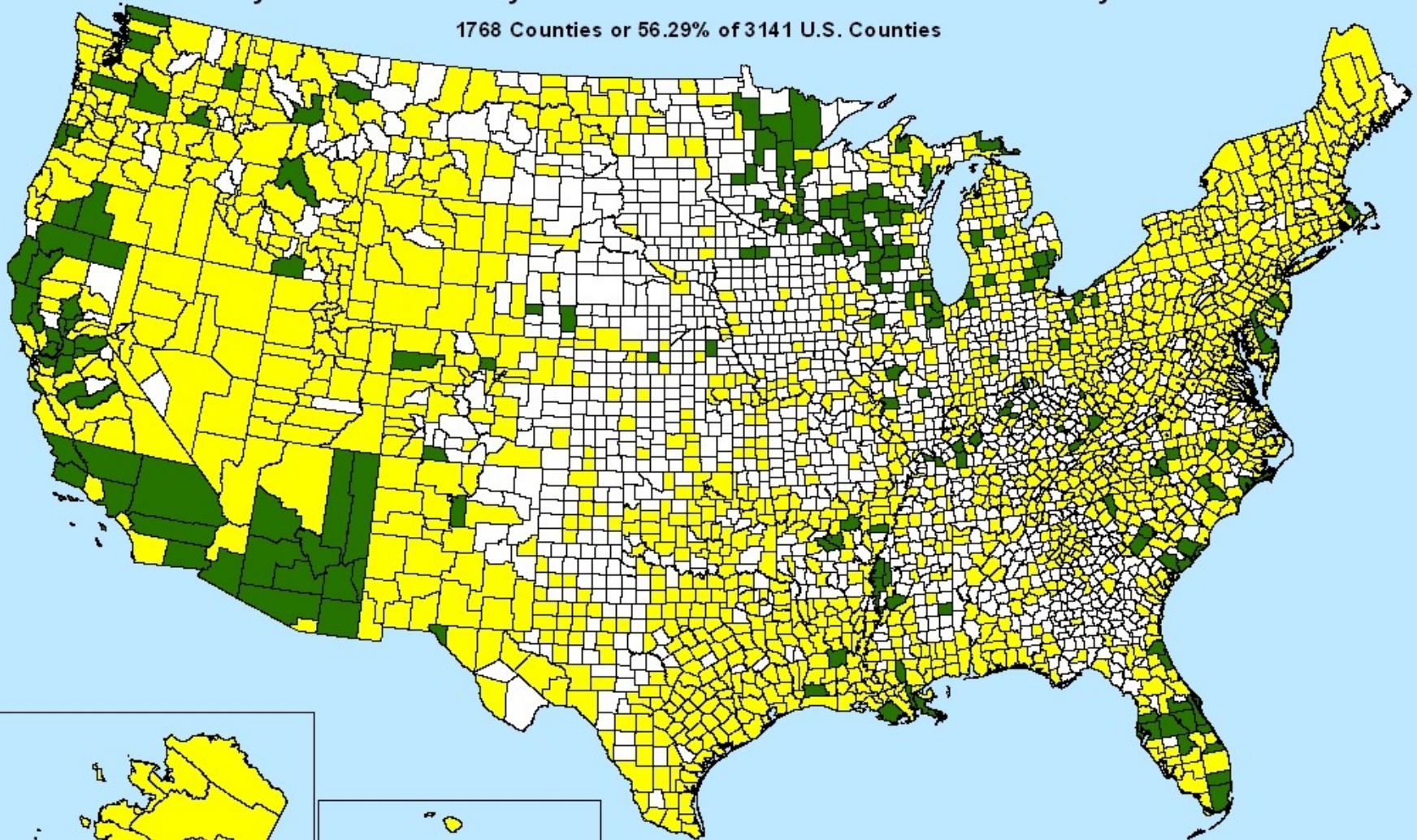


County Scorecard Survey Responses (November 2005 - January 2008)



Fully or Substantially Enabled Counties - as of 29 February 2008

1768 Counties or 56.29% of 3141 U.S. Counties



204 Counties or 6.49% of 3141 U.S. Counties
1717 Counties or 54.66% of 3141 U.S. Counties

Fiscal Year 2008





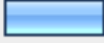

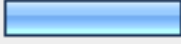

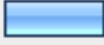
GPRA Measure Targets

Ranking	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Substantially Enabled	48%	52%	62%	62%	62%
Fully Enabled	4%	8%	13%	20%	30%
Total GPRA (Green and/or Yellow)	49%	60%	75%	82%	92%



Detailed Results

What best describes your profession?

		Response Percent	Response Count
County Surveyor (non-NACS member)		26.67%	176
County Surveyor (NACS member)		21.52%	142
Local Government Representative		11.06%	73
Geodesist/Cartographer		2.12%	14
Other Land Surveyor/Engineer		20.00%	132
GIS/Mapping User		24.24%	160
Other (please specify)		11.52%	76
		<i>answered question</i>	660
		<i>skipped question</i>	7



What is your overall satisfaction with NGS' Models and Tools?

		Response Percent	Response Count
Very Satisfied		14.1%	80
Satisfied		77.8%	441
Not Satisfied		8.3%	47
<i>answered question</i>			567
<i>skipped question</i>			100



What is your overall level of satisfaction with the products and services that NGS provides to your work?

		Response Percent	Response Count
Very Satisfied		17.9%	97
Satisfied		67.3%	364
Not Satisfied		14.8%	80
<i>answered question</i>			541
<i>skipped question</i>			126

NGS makes data available to the general public. What has been your satisfaction with the following data?

	Very Satisfied	Satisfied	Not Satisfied	N/A	Rating Average	Response Count
Aeronautical Photos and Data	4.2% (26)	26.7% (165)	6.5% (40)	62.7% (388)	2.06	619
CORS: GPS Continuously Operating Reference Stations	20.1% (124)	40.7% (251)	11.0% (68)	28.1% (173)	1.86	616
Monumented NGS Control-Horizontal	17.5% (108)	55.3% (341)	16.7% (103)	10.5% (65)	1.98	617
Monumented NGS Control – Vertical	13.1% (81)	48.0% (296)	27.6% (170)	11.3% (70)	2.16	617
Geoid Models	12.5% (77)	41.3% (255)	6.1% (38)	40.1% (248)	1.90	618
GPS Orbital Data	9.6% (59)	35.0% (216)	3.4% (21)	52.0% (321)	1.87	617
IERS Terrestrial Reference Frame (ITRF) control points	3.6% (22)	16.2% (100)	3.9% (24)	76.3% (470)	2.02	616
GPS Derived Ionosphere maps	1.8% (11)	14.6% (90)	3.1% (19)	80.5% (496)	2.07	616
Tidal and Orthometric Elevations	3.7% (23)	21.6% (133)	8.3% (51)	66.4% (409)	2.13	616
	<i>answered question</i>					618
	<i>skipped question</i>					49

Are you aware of the State Advisor/Coordinator Program?

		Response Percent	Response Count
Yes		58.7%	319
No		41.3%	224
<i>answered question</i>			543
<i>skipped question</i>			124

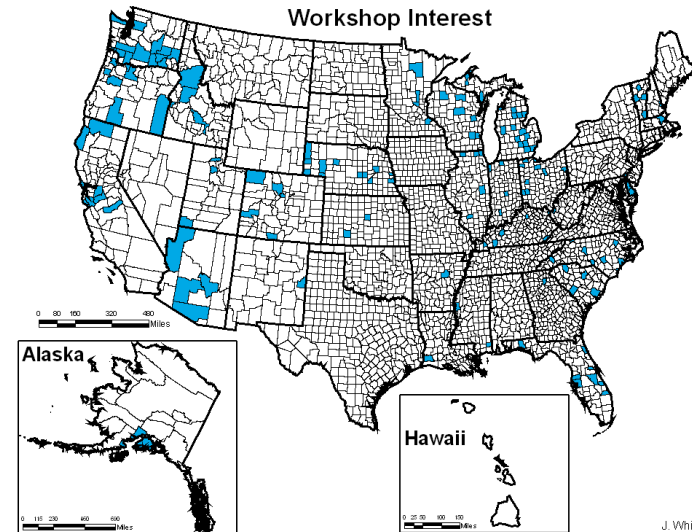
How would you rate your local positioning infrastructure?

	Excellent	Adequate	Inadequate	N/A	Rating Average	Response Count
CORS GPS Data Availability	21.6% (134)	44.0% (273)	19.5% (121)	14.8% (92)	1.98	620
CORS Data Reliability	24.2% (150)	46.8% (290)	8.7% (60)	19.4% (120)	1.81	620
Monumented NGS Control - Horizontal	14.0% (87)	52.7% (327)	26.0% (161)	7.3% (45)	2.10	620
Monumented NGS Control - Vertical	8.4% (52)	42.7% (265)	41.0% (254)	7.9% (49)	2.35	620
<i>answered question</i>						620
<i>skipped question</i>						47

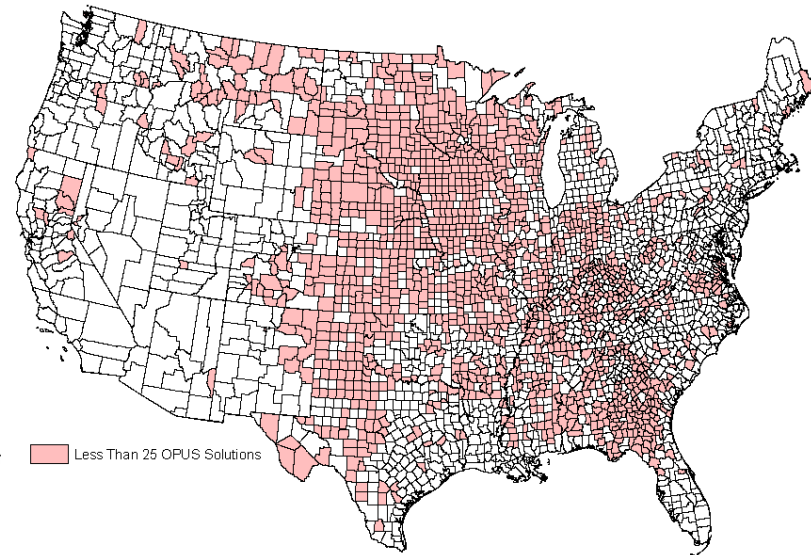
Some Ongoing Activities Based on Feedback

- 1) Reassessing the Workshops NGS provides and who at NGS gives them.
- 2) Supporting areas of the country that have provided feedback indicating a need for workshops NGS provides.
- 3) Proactively Conducting Workshops and Outreach in States/Regions where OPUS-Usage is not consistent.

State Plane Coordinates and Datum Transformations
Workshop Interest



J. Whitsett 9/14/07



NGS' Corbin Training Center

- Located south of Fredericksburg, VA
 - Between DC and Richmond
- Offering various training classes and room for meetings
- Currently classes are free
- Sample of upcoming classes:
 - May – Digital leveling
 - June – CORS/OPUS/RTK with a GPS collection class



ngs.noaa.gov/corbin

County Scorecard Next Steps

- Involve NACS and NACo GIS Committee members in 2008 ESRI Survey & Engineering GIS Summit (August 2 – 5, 2008)
- Work with NACo on possibility of hosting focus groups or other workshops with core customers to provide an independent evaluation of NGS programs and how we are doing.
- Add NACo National Association of County Engineers events to NGS' outreach calendar (for example NACE Illinois 2009 Annual Conference)
- Reach out to and brief other NACo constituencies
- Provide feedback to further incorporate stakeholder feedback into NGS management decisions.
- Investigate linkages to National Height Modernization efforts
- Other areas? We welcome your input.

Questions? Comments?

