U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
	33-50-M09048

Performance Progress Report

	4. Report Date (MM/DD/YYYY)
	10-29-2010

1. Recipient Name	6. Designated Entity On Behalf Of:	
University of New Hampshire	New Hampshire	

3. Street Address	8. Final Report?	9. Report Frequency
8 College Road, Morse Hall,	○ Yes ◉ No	◉ Quarterly ○ Semi Annual ○ Annual ○ Final

5. City, State, Zip Code		
Durham, NH 03824		

7. Project / Grant Period Start Date: (MM/DD/YYYY)	7a. End Date: (MM/DD/YYYY)	8. Reporting Period End Date: (MM/DD/YYYY)	9a. If Other, please describe:
01-01-2010	12-31-2014	09-30-2010	N/A

10. Broadband Mapping

10a. Provider Table

Number of Providers Identified	Number of Providers Contacted	Number of Agreements Reached for Data Sharing	Number of Partial Data Sets Received	Number of Complete Data Sets	Number of Data Sets Verified
66	52	20	8	21	20

10b. Are you submitting the required PROVIDER DATA by using the Excel spreadsheet provided by the SBDD grants office? ◉ Yes ○ No

10c. Have you encountered challenges with any providers that indicate they may refuse to participate in this project? ◉ Yes ○ No

10d. If so, describe the discussions to date with each of these providers and the current status

The NH Broadband Mapping & Planning Program project coordinator made several efforts to encourage DESKTEK to participate. They were contacted on multiple occasions via phone and/or email about the program, and sent materials regarding participation and data requirements. As we had no success, we enlisted the assistance of the NH Director of Broadband Technology. After further repeated attempts to follow-up, she has indicated that they will not participate in the program.

There are several other small providers who have not submitted data, although we remain hopeful that they will do so with continuing encouragement from the project and the Director of Broadband Technology, along with ongoing offers of technical assistance.

As reported earlier, a number of providers have been unable to submit the full complement of last-mile data. In addition, we are having difficulty collecting the required middle-mile data and continue to work with the small number of providers involved.

10e. If you are collecting data through other means (e.g. data extraction, extrapolation, etc), please describe your progress to date and the relevant activities to be undertaken in the future

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10f. Please describe the verification activities you plan to implement
Planned or in-progress verification activities include:

• For providers who deliver data in a format that requires digital conversion, the results are being returned to the provider for review/modification.
• Collecting data through the customized speed test on the project web site.
• Collecting broadband access/usage data through a survey form. It is presently distributed in hard-copy, but will be available online during the next quarter.
• Conducting an inventory of satellite dishes in rural areas, looking for clusters of buildings that rely on satellite broadband as an indicator that no other option is available.
• Hosting a series of 15 community broadband forums around the state. These forums educate the public about the project and provide a useful mechanism for collecting data on residents/businesses that do not have access to broadband.
• Continuing to evaluate FCC data and commercial data sets for their potential utilization in our verification program.

10g. Have you initiated verification activities? ◉Yes   ◯No

10h. If yes, please describe the status of your activities
• We are regularly returning data to providers who deliver in a format that requires processing. To date, we have had only partial participation in this QA/QC task, but we continue to work towards increased involvement of these providers for future submissions.
• We have collected ~1800 speed test records through the project web site.
• We have distributed the broadband survey through several channels (including the nine regional planning commissions in the state), but are holding further distribution so that we can "drive" people to the online survey form once it becomes available.
• We have completed 2 of the broadband forums. The remaining 13 are scheduled during October/November.
• The rural satellite survey is ongoing in rural regions of the state. The field work is being conducted by the state's regional planning commissions, who are scheduled to deliver results during the next quarter.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

N/A

Staffing
10j. How many jobs have been created or retained as a result of this project?

3.403

10k. Is the project currently fully staffed?   ◉ Yes   ○ No

10l. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

N/A

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

For the calendar quarter ending 9/30/10, there were 3.403 (FTE) jobs created/retained. The staffing table below reflects FTE % based on the hours worked funded by the Recovery Act per job category for this quarter.

10n. Staffing Table

Job Title	FTE %	Date of Hire
Project Director	2	
Project Coordinator	70	01/29/2010
GIS Analyst/Information Technologist	9	
RPC Executive Directors	18	
RPC Fiscal and Administrative Assistants	69	
GIS Specialists	100	
GIS Specialists	43	
Regional Planners/Analysts	30	

Add Row	Remove Row

Sub Contracts

10o. Subcontracts Table

Name of Subcontractor	Purpose of Subcontract	RFP Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Federal Funds	In-Kind Funds
Southwest Regional Planning Commission	Mapping Activities	N	Y	01/01/2010	12/31/2011	$959,881	$428,768
Southwest Regional Planning Commission	Planning Activities	N	Y	01/01/2010	12/31/2014	$477,896	$79,895
CAI Administration	Mapping Activities	N	N	01/01/2011	12/31/2014	$30,000	$0
NRPC-Addressing	Mapping Activities	N	N	01/01/2011	12/31/2013	$344,523	$96,000
CDFA	Non-Mapping Activities	N	N	01/01/2011	12/31/2014	$389,100	$99,999
DRED	Non-Mapping Activities	N	N	01/01/2011	12/31/2014	$307,972	$107,276
OEP	Non-Mapping Activities	N	N	01/01/2011	12/31/2014	$165,543	$41,386
Southwest Regional Planning Commission	Non-Mapping Activities	N	N	01/01/2011	12/31/2014	$555,623	$138,906

Add Row	Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $605,246   10q. How much Remains? $5,508,092

10r. How much matching funds have been expended as of the end of last quarter? $184,425   10s. How much Remains? $1,354,563

10t. Budget Worksheet

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	$1,313,152	$132,236	$1,445,388	$102,700	$0	$102,700
Personnel Fringe Benefits	$379,913	$44,483	$424,396	$22,968	$0	$22,968
Travel	$20,000	$0	$20,000	$990	$0	$990
Equipment	$0	$0	$0	$0	$0	$0
Materials / Supplies	$366,299	$0	$366,299	$35,791	$0	$35,791
Subcontracts Total	$3,230,537	$1,120,230	$4,350,767	$388,054	$47,958	$436,012
Subcontract #1	$0	$0	$0	$0	$0	$0
Subcontract #2	$0	$0	$0	$0	$0	$0
Subcontract #3	$0	$0	$0	$0	$0	$0
Subcontract #4	$0	$0	$0	$0	$0	$0
Subcontract #5	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Other	$54,500	$127,095	$181,595	$0	$127,095	$127,095
Total Direct Costs	$5,364,400	$1,424,044	$6,788,444	$550,509	$175,053	$725,556
Total Indirect Costs	$748,938	$114,944	$863,882	$54,735	$9,372	$64,107
Total Costs	$6,113,338	$1,538,988	$7,652,326	$605,246	$184,425	$789,663
% Of Total	80	20	100	77	23	100

Hardware / Software

10u. Has the project team purchased the software / hardware described in the application? ●Yes ○No

10v. If yes, please list

Cellular Expert, version 3.6 (signal propagation software)

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

The project team has not yet initiated purchase of the server, as it is largely a requirement of the web-mapping application we plan to develop after the September data submission.

10x. Has the project team purchased or used any data sets? ○Yes ●No

10y. If yes, please list

N/A

10z. Are there any additional project milestones or information that has not been included? ●Yes ○No

10aa. If yes, please list

The NHBMPP is hosting a web site for product dissemination and collecting speed data – iwantbroadbandnh.org. The site is being populated with general project information and mapping results as they become available. We are also using it to support our service provider data verification activities and our Community Anchor Institution data maintenance protocol, described below.

We have collected and verified data on >2900 CAIs. Data for most entities was collected prior to the May, 2010 submission. Over the past quarter, efforts focused on verifying/maintaining that data set and we have developed a module of the web portal to assist in this.   The module accomplishes two main tasks:

• Executes a bulk email to all known CAI's that reports the information collected on each (via formatted .pdf sent as an attachment) and requests their review;
• Provides tools for project partners to update CAI records based on data returned from the institutions.

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

As reported previously, the most significant challenge we continue to encounter is that of securing full service provider cooperation. We have enlisted the assistance of the NH Director of Broadband Technology in communicating with providers, but anticipate this will remain a challenge for the duration of the project,

Many providers indicate their willingness to participate, but have difficulty allocating the resources required to prepare/package the data for submission. The NHBMPP has made every effort to provide technical assistance to providers, and has requested supplemental funds in Year 2 to increase the level of assistance we can provide.

An additional challenge is that of staying current with NTIA data submission requirements and protocols as they evolve.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

N/A

11. Broadband Planning

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Be sure to include a description of each major activity / milestone that you plan to complete and your current status

Broadband planning activities are not scheduled to commence until January, 2011. Accordingly, no activities are being reported at this time.

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

N/A

11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning? ○Yes ●No

11d. If yes, please describe these anticipated changes. Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

N/A

Funding

11e. How much Federal funding has been expended as of the end of the last quarter? $0   11f. How much Remains? $0

11g. How much matching funds have been expended as of the end of last quarter? $0   11h. How much Remains? $0

11i. Planning Worksheet

Planning Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	$0	$0	$0	$0	$0	$0
Personnel Fringe Benefits	$0	$0	$0	$0	$0	$0
Travel	$0	$0	$0	$0	$0	$0
Equipment	$0	$0	$0	$0	$0	$0
Materials / Supplies	$0	$0	$0	$0	$0	$0
Subcontracts Total	$0	$0	$0	$0	$0	$0
Subcontract #1	$0	$0	$0	$0	$0	$0
Subcontract #2	$0	$0	$0	$0	$0	$0
Subcontract #3	$0	$0	$0	$0	$0	$0
Subcontract #4	$0	$0	$0	$0	$0	$0
Subcontract #5	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Other	$0	$0	$0	$0	$0	$0
Total Direct Costs	$0	$0	$0	$0	$0	$0
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$0	$0	$0	$0	$0	$0
% Of Total	0	0	0	0	0	0

Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?

N/A

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

N/A

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

N/A

12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose set forth in the award documents.	
12a. Typed or Printed Name and Title of Authorized Certifying Official Fay Rubin	12c. Telephone (area code, number, and extension)
	12d. Email Address Fay.rubin@unh.edu
12b. Signature of Authorized Certifying Official Submitted Electronically	12e. Date Report Submitted (Month, Day, Year) 11-03-2010