



FEMA

Semi-Annual Geospatial Data Coordination Report

December 04, 2013



Introduction

The Department of Homeland Security's (DHS's) Federal Emergency Management Agency (FEMA) has developed a Geospatial Data Coordination Policy that establishes the principles for coordinating, communicating, documenting, and reporting existing and proposed geospatial data collected, produced, or manipulated under FEMA's Risk MAP Program. The purpose is to facilitate data sharing and secondary data use. The primary goals of this policy are to ensure that the Risk MAP Program will:

1. protect its investments in geospatial data by requiring data to be documented, standard-compliant, and easily accessible to the general public when appropriate and release of the data does not pose a security risk;
2. maximize the use of partnerships, including Federal, State and local partners, for the acquisition and production of geospatial data;
3. minimize duplicative requests from Federal agencies to State and local data stewards;
4. recognize the value of existing coordination efforts at the State and local levels; and
5. comply with all Federal requirements for coordination and reporting of geospatial activities.

This report supports the objectives of the coordination policy and summarizes some of the key results of the policy implementation.

Summary

This report has three sections. The first section, "Geospatial Data Usage in FEMA Flood Studies - FEMA Funding versus Leverage", is a table showing FEMA's imagery and elevation data acquisition activity per FEMA Region and per fiscal year of the Risk MAP program. The acquisition activity is of three types: FEMA spending, gathered leverage (reuse of existing data), and production leverage (partner resource contributions towards data production.) This summary table shows all reported data for Fiscal Years 2009-2013. Often times, leverage is reported several years after the "year the task was funded" (also known as the "Task Fiscal Year"), this table reports the leverage amounts in the Task Fiscal Year.

The second section, "Gathered Leverage in Risk MAP Projects, Task Fiscal Year 2009 - Present", provides a detailed listing of Risk MAP project tasks funded since FY2009 utilizing gathered leverage. The section includes the leverage contributing partner, the leverage funded year and a valuation of the leveraged data.

The third section, "Elevation Data Sets Produced in Risk MAP, Task Fiscal Year 2012 - Present", provides Agency members of the National Digital Elevation Program (NDEP) and other potential users with a summary of FEMA's elevation data sets produced with FY2012 funding. "Produced in Risk MAP" means that FEMA provided at least part of the funding for the data production. For elevation data sets produced from FY2009-2011, please refer to the Fall 2012 Semi-Annual Geospatial Data Coordination Reports, which is available on the MIP (Tools & Links/Geospatial Coordination Reports). <https://hazards.fema.gov/femaportal/wps/portal>

Orthophoto data used on the Risk MAP program is managed, distributed and archived by the USGS EROS Data Center.

Elevation data used on Risk MAP program is often available through the USGS, but the comprehensive archive is managed by the FEMA Engineering Library. Most of the data is available without restriction, but fees are usually charged for research and retrieval. Some partners who provide elevation data for FEMA projects restrict the redistribution of the data and FEMA does not make it available. Information on obtaining data from the FEMA Engineering Library is available at:

http://www.fema.gov/plan/prevent/fhm/st_order.shtm



Geospatial Data Usage in FEMA Flood Studies - FEMA Funding versus Leverage

Region	Source	Base Map Data					Elevation Data				
		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
1	FEMA budget	\$ 44,089	\$ 34,542	\$ 70,313	\$ 59,887		\$ 680,262	\$ 888,075	\$ 790,000	\$ 6,402	
	Gathered Lev.	\$ 760,600	\$ 147,330				\$ 3,400	\$ 403,860	\$ 373,993		
	Produced Lev.		\$ 23,900					\$ 138,620	\$ 307,084		
2	FEMA budget	\$ 258,446	\$ 64,646	\$ 27,266	\$ 46,111		\$ 1,133,327	\$ 665,070	\$ 1,010,000	\$ 189,379	
	Gathered Lev.	\$ 288,923		\$183,100			\$ 40,505				
	Produced Lev.	\$ 160,000					\$ 650,016				
3	FEMA budget	\$ 308,136	\$ 120,473	\$185,528	\$37,939		\$ 128,578	\$ 1,405,038	\$ 1,200,000	\$ 24,120	
	Gathered Lev.	\$ 156,700	\$ 52,900				\$ 214,200				
	Produced Lev.	\$ 2,935					\$ 740,950	\$ 273,116	\$ 153,000		
4	FEMA budget	\$ 317,364	\$ 154,967	\$248,712	\$65,332		\$ 1,498,014	\$ 7,666,273	\$ 3,400,000	\$ 866,572	
	Gathered Lev.	\$ 2,518,035	\$ 624,700	\$13,990,300			\$ 4,309,472	\$ 1,498,768	\$ 614,292		
	Produced Lev.	\$ 307,862		\$529,905	\$241,930		\$ 2,629,885	\$ 32,384	\$ 2,197,321		
5	FEMA budget	\$ 193,396	\$ 121,634	\$114,199	\$38,602		\$ 60,517	\$ 1,937,644	\$ 1,870,000	\$ 49,915	
	Gathered Lev.	\$ 1,534,621	\$ 997,623	\$30,556	\$271,212		\$ 4,598,326	\$ 2,591,416	\$ 4,656,073	\$ 1,473,770	
	Produced Lev.	\$ 83,112		\$119,700	\$192,400		\$ 771,662		\$ 1,456,040	\$ 432,200	
6	FEMA budget	\$ 134,260	\$ 40,861	\$50,019	\$2,805		\$ 742,584	\$ 3,188,209	\$ 4,340,000	\$ 393,138	
	Gathered Lev.	\$ 333,816					\$ 413,800	\$ 125,700			
	Produced Lev.		\$ 11,717	\$4,700			\$ 237,800	\$ 21,500		\$ 211,000	
7	FEMA budget	\$ 140,927	\$ 35,055	\$128,903	\$26,017		\$ 867,853	\$ 1,282,326	\$ 1,830,000	\$ 9,360	
	Gathered Lev.	\$ 7,494,812	\$ 791,950	\$396,900			\$ 2,736,184	\$ 653,000	\$ 793,800	\$ 479,000	
	Produced Lev.	\$ 91,562	\$ 10,760	\$7,370	\$80,310		\$ 1,430,545	\$ 459,670	\$ 756,250	\$ 3,625	
8	FEMA budget	\$ 87,064	\$ 77,179	\$46,469	\$34,739	\$8,475	\$ 483,992	\$ 1,043,986	\$ 1,570,000	\$ 77,078	\$ 5,000
	Gathered Lev.	\$ 103,500	\$ 5,100				\$ 538,895	\$ 8,000			
	Produced Lev.	\$ 133,862	\$ 36,800	\$2,250			\$ 115,775	\$ 23,500	\$ 90,000	\$ 87,400	
9	FEMA budget	\$ 288,975	\$ 235,647	\$69,276	\$43,039		\$ 2,266,866	\$ 1,865,506	\$ 2,390,000	\$ 73,561	
	Gathered Lev.	\$ 242,700	\$ 21,718				\$ 28,742	\$ 36,828			
	Produced Lev.			\$13,672					\$ 31,000		
10	FEMA budget	\$ 135,624	\$ 196,991	\$92,975	\$25,451	\$5,055	\$ 383,541	\$ 921,081	\$ 1,600,000	\$ 84,293	
	Gathered Lev.	\$ 710,119	\$ 94,332				\$ 1,409,130	\$ 52,190,354	\$ 124,000		
	Produced Lev.							\$ 168,000	\$ 88,350	\$ 218,614	
Nation	FEMA budget	\$ 1,908,281	\$ 1,081,995	\$1,033,660	\$379,922	\$13,530	\$ 8,245,534	\$ 20,863,208	\$ 20,000,000	\$ 1,773,818	\$ 5,000
	Gathered Lev.	\$ 14,143,826	\$ 2,735,653	\$14,600,856	\$271,212		\$ 14,292,654	\$ 57,507,926	\$ 6,562,158	\$ 1,952,770	
	Produced Lev.	\$ 779,333	\$ 83,177	\$677,597	\$514,640		\$ 6,576,633	\$ 1,116,790	\$ 5,079,045	\$ 952,839	

* Dollar values represent the total FEMA budget or value of Leverage, per region / per fiscal year / per data type (base map or topo data.)

Empty cells indicate that no activity is reported.

FY13 is the last full reporting year. FEMA budget data is reported, but leverage amounts are often reported in a differet. Once leverage data has been reported and input into the MIP, leverage dollar amounts will appear on this report in the Task Fiscal Year. (Ex. Leverage that was reported or recognized in 2013 could show up under FY2010 if that was the year the task was funded)



Gathered Leverage in Risk MAP Projects, Task Fiscal Year 2009 - Present

Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
1	CT	10-01-0663S	Base Map	Connecticut Department of Environmental Protection (CT DEP)	2010	\$77,200	[base_map] [square_miles]
1	CT	10-01-0664S	Base Map	Connecticut Department of Environmental Protection (CT DEP)	2010	\$43,900	[base_map] [square_miles]
1	CT	10-01-0665S	Base Map	Connecticut Department of Environmental Protection (CT DEP)	2010	\$86,200	[base_map] [square_miles]
1	CT	10-01-0662S	Base Map	Connecticut Department of Environmental Protection (CT DEP)	2010	\$83,700	[base_map] [square_miles]
1	CT	13-01-0377S	Base Map	USGS	2012	\$19,830	Data collected and processed in spring 2012 by PhotoScience, delivered to USGS. USGS Contract G10PC00026. [GCQ][base_map][SquareMile]
1	CT RI	13-01-0378S	Elevation	U.S. Geological Survey - Earth Resources Observation and Science (EROS) Center	2010	\$72,800	[topo] [square_miles] ticket 124627
1	CT RI	13-01-0378S	Elevation	South Carolina Department of Natural Resources	2011	\$247,616	Quantity is an estimate of dollars for LiDAR acquisition for Anderson, Pickens, and Oconee counties contributed by SC LiDAR consortium. I don't understand why "Panels" is the only "Type". [dollar][topo]
1	MA	11-01-0530S	Elevation	Massachusetts Office of Geographic Information (MASS GIS)	2005	\$72,600	[GCQ][base_map][SquareMile]
1	MA	11-01-0530S	Elevation	USGS	2005	\$72,600	Per Request# 124518 05/13/2013 [GCQ][base_map][SquareMile]
1	MA	11-01-0527S	Elevation	USGS	2009	\$12,840	[square_miles] USGS, Photo Science, USDA NRCS, US DOT, and other State/Fed. Partners- Northeast LiDAR Project.
1	MA	11-01-0521S	Elevation	U.S. Geological Survey - Earth Resources Observation and Science (EROS) Center	2010	\$128,000	[square_miles] USGS, Photo Science, USDA NRCS, US DOT, and other State/Fed. Partners- Northeast LiDAR Project
1	MA	11-01-0523S	Elevation	USGS	2010	\$20,000	topo] [square_miles] USGS, Photo Science, USDA NRCS, US DOT, and other State/Fed. Partners- Northeast LiDAR Project.
1	MA	11-01-0521S	Base Map	Massachusetts Office of Geographic Information (MASS GIS)	2010	\$19,000	[topo] [square_miles]
1	MA	11-01-0530S	Elevation	USGS	2010	\$72,600	[square_miles] USGS, Photo Science, USDA NRCS, US DOT, and other State/Fed. Partners- Northeast LiDAR Project - Per Ticket 124607
1	MA	11-01-0532S	Base Map	Massachusetts Office of Geographic Information (MASS GIS)	2010	\$16,260	Orthophotography provided by the Massachusetts Office of Geographic Information (Mass GIS)
1	MA	11-01-0533S	Base Map	Massachusetts Office of Geographic Information (MASS GIS)	2010	\$21,000	[base_map] [square_miles] - Ticket 124607
1	MA	11-01-0533S	Elevation	USGS	2010	\$128,000	[square_miles][topo] USGS, Photo Science, USDA NRCS, US DOT, and other State/Fed. Partners- Northeast LiDAR Project. [GCQ][topo][SquareMile]



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
1	MA	10-01-0661S	Base Map	Massachusetts Office of Geographic Information (MASS GIS)	2010	\$10,500	[base_map] [square_miles] - Ticket 124607
1	MA RI	12-01-1695S	Elevation	USGS	2010	\$53,577	USGS, Photo Science, USDA NRCS, US DOT, and other State/Fed. Partners-Northeast LiDAR Project. [GCQ][topo][SquareMile]
1	ME	12-01-1059S	Base Map	Maine State MapMod Coordinator	2011	\$379,400	Base map data provided by MeGIS.
1	ME	12-01-1061S	Base Map	Maine State MapMod Coordinator	2011	\$303,520	Based map data provided by MeGIS.
1	ME	12-01-1917S	Scoping-tbd	State of Maine GIS	2011	\$0	Downeast-Coastal Watersheds
1	NH	12-01-1574S	Elevation	New Hampshire Geographically Referenced Analysis and Information Transfer System	2010	\$97,034	LiDAR data valued at \$97,034 per FEMA Blue Book
1	NH	12-01-1575S	Elevation	New Hampshire Geographically Referenced Analysis and Information Transfer System	2010	\$41,586	LiDAR data valued at \$41,586 per FEMA Blue Book
1	NH	10-01-0672S	Base Map	New Hampshire Geographically Referenced Analysis and Information Transfer System	2010	\$183,100	[base_map] [square_miles] - Ticket 124607
1	NH	10-01-0438S	Base Map	New Hampshire Geographically Referenced Analysis and Information Transfer System	2010	\$99,200	[base_map] [square_miles] - Ticket 124607
1	NH	12-01-1574S	Base Map	New Hampshire Geographically Referenced Analysis and Information Transfer System	2010	\$16,730	High resolution aerial photography valued at \$16,730 per FEMA Blue Book
1	NH	12-01-1575S	Elevation	University of New Hampshire, Complex Systems Research Center (CSRC)	2010	\$14,800	[square_miles]
1	RI	10-01-0658S	Base Map	Rhode Island GIS	2010	\$31,400	
1	VT	10-01-0671S	Base Map	VCGI	2010	\$67,800	[base_map] [square_miles] - Ticket 124607
2	NJ	10-02-0956S	Base Map	New Jersey State Office of Information Technology	2009	\$10,492	
2	NJ	10-02-0578S	Base Map	New Jersey State Office of Information Technology	2009	\$25,519	
2	NJ	10-02-0581S	Base Map	New Jersey State Office of Information Technology	2009	\$48,930	
2	NJ	10-02-0591S	Base Map	New Jersey State Office of Information Technology	2009	\$33,788	
2	NJ	10-02-0670S	Base Map	New Jersey State Office of Information Technology	2009	\$13,230	Task complete.
2	NJ	10-02-0671S	Base Map	New Jersey State Office of Information Technology	2009	\$47,158	Task Complete.
2	NJ	10-02-0672S	Base Map	New Jersey State Office of Information Technology	2009	\$18,529	



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
2	NJ	10-02-0680S	Base Map	New Jersey State Office of Information Technology	2009	\$11,750	
2	NY	12-02-0858S	Base Map	NYCDEP	2009	\$183,100	[GCQ][base_map][SquareMile] \$421,130 for 1831 square miles of 2010 LiDAR acquired and funded by NYCDEP
2	NY	11-02-1472S	Base Map	New York State Department of Environmental Conservation	2009	\$80,000	
2	NY	11-02-1479S	Base Map	New York State Department of Environmental Conservation	2010	\$80,000	
2	NY	12-02-0632S	Scoping-tbd	NYS Office of Cyber Security & Critical Infrastructure Coordination	2011	\$0	Whole project is funded by NY City Department of Environmental Protection (no entry in MIP for this organization)
2	NY	13-02-1408S	Scoping-tbd	New York City Mayor's Office of Long-Term Planning and Sustainability	2011	\$0	LiDAR Acquisition and Processing; LiDAR contributed by NYC OLTPS for completion of the Sea Level Rise Technical Flood Study. LiDAR leverage : \$173,802
2	NY	13-02-1412S	Scoping-tbd	New York City Mayor's Office of Long-Term Planning and Sustainability	2012	\$0	NYC OLTPS contributed as leverage the amount of \$100,000 for Program Management and Outreach and Communications
2	PR	13-02-1414S	Scoping-tbd	Puerto Rico Planning Board	2012	\$0	PRPB provides leverage in the form of staff time to support the core activities; Hazus Phase 2 and CTP activities. Amount= \$100,000
3	MD	10-03-0346S	Elevation	Maryland DNR	2006	\$65,200	Maryland DNR LiDAR 2003 and 2006 LiDAR data was used for this project. [GCQ][topo][SquareMile]
3	PA	07-03-0427S	Elevation	U.S. Geological Survey, Pennsylvania District	2007	\$230,000	
3	PA	07-03-0435S	Elevation	U.S. Geological Survey, Pennsylvania District	2007	\$112,500	
3	PA	07-03-0436S	Base Map	U.S. Geological Survey, Pennsylvania District	2007	\$82,200	base map provided by PAMAP, not available for selection in MIP
3	PA	07-03-0436S	Elevation	U.S. Geological Survey, Pennsylvania District	2007	\$205,750	
3	PA	07-03-0438S	Elevation	U.S. Geological Survey, Pennsylvania District	2007	\$99,250	
3	PA	10-03-0271S	Base Map	National Geospatial-Intelligence Agency (NGA)	2009	\$74,500	Also gathered by the USGS.
3	PA	10-03-0271S	Elevation	Penn DCNR	2009	\$149,000	Lidar collection was by PAMAP, not RAMPP.
3	PA	10-03-0359S	Elevation	U.S. Geological Survey, Pennsylvania District	2010	\$93,450	
3	VA	11-03-2001S	Base Map	Loudoun County, VA	2012	\$52,900	2012 Orthophotography from Loudon County, VA was used for this project. [GCQ][base_map][SquareMile]
4	AL	09-04-8084S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$85,500	Square miles for basemap and topo. The gathered leverage for this study covered 20 24k, 29 12k, and 100 6k scale panels.



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4	AL	09-04-8085S	Elevation	Baldwin County, AL	2009	\$399,000	
4	AL	09-04-8084S	Elevation	Alabama Department of Economic and Community Affairs	2009	\$171,000	Square miles for basemap and topo. The gathered leverage for this study covered 20 24k, 29 12k, and 100 6k scale panels.
4	AL	09-04-8083S	Elevation	Tuscaloosa County, AL	2009	\$270,200	per Mary Gilliland [GeoCoord qry]
4	AL	09-04-8083S	Elevation	Tuscaloosa County, AL	2009	\$270,200	[GCQ][topo][SquareMile]
4	AL	09-04-8024S	Elevation	Alabama Department of Economic and Community Affairs	2009	\$158,400	sq miles, The gathered leverage for this study covered 34 12k and 142 6k scale panels.
4	AL	09-04-8024S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$79,200	sq miles, The gathered leverage for this study covered 34 12k and 142 6k scale panels.
4	AL	09-04-8023S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$125,600	sq miles, the gathered leverage for this study covered 55 12k and 203 6k scale panels.
4	AL	09-04-7729S	Elevation	Alabama Department of Economic and Community Affairs	2009	\$158,000	
4	AL	09-04-7729S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$79,000	
4	AL	09-04-7728S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$62,100	
4	AL	09-04-7728S	Elevation	Alabama Department of Economic and Community Affairs	2009	\$124,200	
4	AL	09-04-8085S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$171,800	sq miles, The gathered leverage for this study covered 21 24k, 46 12k, and 135 6k scale panels.
4	AL	09-04-7728S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$92,140	
4	AL	09-04-8023S	Elevation	Mobile County, AL	2009	\$308,250	
4	AL	12-04-0100S	Elevation	Alabama Department of Economic and Community Affairs	2010	\$116,000	
4	AL	12-04-0100S	Elevation	Ohio Department of Natural Resources	2010	\$118,000	[Topo] Per request#116948 12/04/2012. SquareMile, 31, 2010, 590
4	AL	12-04-0100S	Base Map	Alabama Department of Economic and Community Affairs	2010	\$58,000	
4	AL	12-04-1066S	Base Map	Lawrence County, AL	2011	\$25,350	
4	AL	12-04-1066S	Elevation	Limestone County, AL	2011	\$104,225	
4	AL	12-04-1066S	Base Map	Morgan County, AL	2011	\$59,640	
4	AL	12-04-1066S	Base Map	Marshall County, AL	2011	\$17,740	



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4	AL	12-04-0857S	Base Map	Talladega County, AL	2011	\$47,330	2009 Aerials-Talladega County
4	AL	12-04-1066S	Base Map	Madison County, AL	2011	\$81,210	
4	AL	12-04-1074S	Elevation	Alabama Department of Economic and Community Affairs	2011	\$369,400	[GCQ][topo][SquareMile]
4	AL	12-04-1066S	Base Map	Limestone County, AL	2011	\$41,690	
4	AL	12-04-1066S	Elevation	Madison County, AL	2011	\$93,394	
4	AL	12-04-0857S	Elevation	St. Clair County Commission	2011	\$64,884	
4	AL	12-04-0857S	Elevation	Calhoun County, AL	2011	\$46,045	
4	AL	12-04-0857S	Base Map	St. Clair County Commission	2011	\$59,580	2009 Aerials- Provide by St. Clair County
4	AL	12-04-0857S	Base Map	Etowah County, AL	2011	\$43,440	2009 Aerials- Etowah County
4	AL	12-04-0857S	Base Map	Calhoun County, AL	2011	\$55,530	2010 Aerials- Calhoun County
4	AL	12-04-0100S	Elevation	Alabama Department of Economic and Community Affairs	2011	\$134,400	[GCQ]
4	AL	12-04-0857S	Elevation	Etowah County, AL	2011	\$108,600	
4	AL	12-04-0857S	Elevation	Talladega County, AL	2011	\$470,891	
4	AL	12-04-1074S	Base Map	Alabama Department of Economic and Community Affairs	2012	\$182,150	[GCQ][base_map][SquareMile]
4	FL	08-04-6374S	Elevation	South Florida Water Management District (SFWMD)	2006	\$45,200	Change contributor to State of Florida
4	FL	11-04-1989S	Elevation	Northwest Florida Water Management District (NFWFMD)	2009	\$85,000	Request 120380 NFWFMD/Walton County are all contributors - Sq mileage based on approximate panels to be updated
4	FL	11-04-1987S	Base Map	Florida Department of Transportation	2009	\$75,800	Added per Request 120380
4	FL	10-04-3116S	Elevation	Osceola County, FL	2009	\$43,500	Lidar 9 sq miles & 78 sq miles 1 ft contours
4	FL	11-04-1987S	Elevation	Florida Department of Emergency Management	2009	\$151,600	Request 120380 - FDEM/NFWFMD/Bay County are all contributors
4	FL	11-04-1989S	Base Map	Florida Department of Transportation	2009	\$42,500	Request 120380 NFWFMD/Walton County are all contributors - Sq mileage based on approximate panels to be updated
4	FL	11-04-1985S	Elevation	Florida Department of Emergency Management	2009	\$112,800	Request 120380
4	FL	11-04-1990S	Elevation	Florida Department of Emergency Management	2009	\$186,000	Request 120380 FDEM/NFWFMD/Okaloosa County are all contributors



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4	FL	11-04-1991S	Base Map	Florida Department of Transportation	2009	\$101,200	Request 120380
4	FL	11-04-1991S	Elevation	Northwest Florida Water Management District (NFWFMD)	2009	\$202,400	Request 120380
4	FL	11-04-1993S	Elevation	Northwest Florida Water Management District (NFWFMD)	2009	\$131,200	Request 120380 NFWFMD/Escambia County are all contributors
4	FL	11-04-1985S	Base Map	Florida Department of Revenue	2009	\$56,400	Request 120380
4	FL	11-04-1993S	Base Map	Florida Department of Transportation	2009	\$65,600	Request 120380 NFWFMD/Escambia County are all contributors
4	FL	10-04-3115S	Base Map	Osceola County, FL	2009	\$115,600	[SquareMile][BaseMap] Per request#116281, 124748 11/16/2012. SquareMile 1156, ORG 5491, FY 2009
4	FL	10-04-3157S	Base Map	Volusia County	2009	\$14,320	Request 116092-Base Map
4	FL	10-04-3115S	Base Map	Osceola County, FL	2009	\$95,300	1ft resolution Countywide
4	FL	10-04-3115S	Elevation	Osceola County, FL	2009	\$231,200	[SquareMile][Topo] Per request#116281, 124748 11/16/2012. SquareMile 1156, ORG 5491, FY 2009
4	FL	10-04-3115S	Elevation	Osceola County, FL	2009	\$476,500	Lidar Countywide 953 sq miles
4	FL	10-04-3116S	Base Map	Osceola County, FL	2009	\$150,600	[SquareMile][BaseMap] Per request#116281,124748 11/16/2012. SquareMile 1506, ORG 5491, FY 2009
4	FL	10-04-3116S	Base Map	Osceola County, FL	2009	\$150,600	1ft resolution Countywide
4	FL	11-04-0150S	Base Map	Florida Department of Community Affairs	2009	\$69,190	
4	FL	10-04-3116S	Elevation	Osceola County, FL	2009	\$301,200	[SquareMile][Topo] Per request#116281 124748 11/16/2012. SquareMile 1506, ORG 5491, FY 2009
4	FL	09-04-8602S	Base Map	Southwest Florida Water Management District (SWFWMD)	2009	\$76,200	[BaseMap][SquareMile] Base map orthophotos were gathered from the SWFWMD, leverage quantity is in square miles.
4	FL	10-04-3157S	Elevation	Volusia County	2009	\$330,900	Request 116092-Topo
4	FL	09-04-8602S	Elevation	Southwest Florida Water Management District (SWFWMD)	2009	\$115,200	[topo][SquareMile] Topo was gathered from the SWFWMD and was a combination of sources (see metadata for details), leverage quantity is in square miles.
4	FL	12-04-7913S	Base Map	Suwannee River Water Management District, FL	2011	\$139,000	Joint contribution from SRWMD and FDOT; 1390 sq mi [GCQ][base_map][Dollar]
4	FL	12-04-7913S	Elevation	Suwannee River Water Management District, FL	2011	\$119,500	Joint contribution between SRWMD and USGS; Suwannee River Expansion LiDAR; 239 sq mi [GCQ][topo][Dollar]



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
4	GA	10-04-6263S	Base Map	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$53,800	[GCQ][base_map][SquareMile]
4	GA	10-04-6262S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$49,400	Community-supplied topo
4	GA	12-04-1086S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$95,800	Coastal LiDAR Aquisition Project
4	GA	12-04-1084S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$47,600	Coastal LiDAR data
4	GA	12-04-1083S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$132,600	LiDAR data from Coastal Aquisition Project; MIP does allow duplicate record. Added 632 to existing 31, Request 12045531
4	GA	12-04-0916S	Elevation	Glynn County	2009	\$116,600	[GCQ]
4	GA	10-04-6264S	Base Map	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$43,600	Data provided by Gwinnett County, GA
4	GA	10-04-6258S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$68,800	Data provided by Cobb County, GA.
4	GA	10-04-6261S	Base Map	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$44,500	Community-supplied base map
4	GA	10-04-6258S	Base Map	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$34,400	Data provided by Cobb County, GA.
4	GA	10-04-6260S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$54,400	Data provided by DeKalb County
4	GA	10-04-6260S	Base Map	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$27,200	Data provided by DeKalb County
4	GA	10-04-6264S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$50,000	Data provided by Gwinnett County, GA
4	GA	10-04-6259S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$89,000	Data provied by Coweta County
4	GA	10-04-6259S	Base Map	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$44,500	Data provied by Coweta County
4	GA	10-04-6261S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$40,000	[GCQ]
4	GA	12-04-1091S	Elevation	Long County	2010	\$80,800	[GCQ]
4	GA	12-04-1091S	Base Map	Bryan County	2010	\$45,500	[GCQ]



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
4	GA	12-04-1090S	Elevation	Liberty County	2010	\$120,600	[GCQ]
4	GA	12-04-1084S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2010	\$156,600	[GCQ]
4	GA	12-04-1011S	Elevation	Newton County	2010	\$55,800	[GCQ]
4	GA	12-04-1011S	Base Map	Newton County	2010	\$27,900	[GCQ]
4	GA	12-04-0920S	Elevation	McIntosh County	2010	\$115,000	[GCQ]
4	GA	12-04-0916S	Base Map	Glynn County	2010	\$58,600	[GCQ]
4	GA	12-04-1089S	Elevation	Bryan County	2010	\$91,000	[GCQ] Topo per Request 120443
4	KY	10-04-7839S	Base Map	USDA Farm Service Agency (FSA)	2006	\$19,900	2006 FSA 2' aerial imagery.
4	KY	10-04-7845S	Base Map	USDA Farm Service Agency (FSA)	2009	\$28,140	2010 FSA 1m imagery
4	KY	10-04-7844S	Base Map	USDA Farm Service Agency (FSA)	2009	\$24,600	FSA 2 ft. aerial imagery
4	KY	10-04-7843S	Base Map	USDA Farm Service Agency (FSA)	2009	\$30,900	FSA 2010 1m aerial imagery.
4	KY	10-04-7842S	Base Map	USDA Farm Service Agency (FSA)	2009	\$49,500	FSA 2' aerial imagery
4	KY	10-04-7841S	Elevation	Kentucky Division of Water	2009	\$33,000	Local 2ft. contour equivalent derived from LIDAR.
4	KY	10-04-7840S	Base Map	Kentucky Division of Water	2009	\$39,758	[base_map] Per request#115510 10/31/2012
4	KY	10-04-7840S	Elevation	Kentucky Division of Water	2009	\$312,192	[topo] Per request#115508 10/31/2012
4	KY	10-04-7846S	Base Map	USDA Farm Service Agency (FSA)	2009	\$30,000	FSA NAIP aerial imagery.
4	KY	10-04-7837S	Elevation	Kentucky Division of Water	2009	\$42,400	Local 2' and 5' contour data.
4	KY	10-04-7837S	Base Map	USDA Farm Service Agency (FSA)	2009	\$21,200	2010 1ft. aerial imagery
4	KY	10-04-7836S	Base Map	Lexington-Fayette Urban County Government (LFUCG)	2009	\$28,550	1' ft. local aerial imagery
4	KY	10-04-7835S	Elevation	Kentucky Division of Water	2009	\$31,880	Local LiDAR; 2 ft contour equivalent
4	KY	10-04-7835S	Base Map	Kentucky Division of Water	2009	\$15,940	Local 1 ft aerial imagery
4	KY	10-04-7834S	Elevation	Kentucky Division of Water	2009	\$60,000	Local 2 ft. contour equivalent terrain.



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4	KY	10-04-7834S	Base Map	Kentucky Division of Water	2009	\$30,000	Local 1 ft. aerial imagery.
4	KY	10-04-7841S	Base Map	Kentucky Division of Water	2009	\$16,500	Local 1ft. resolution aerial imagery.
4	KY	10-04-7838S	Base Map	USDA Farm Service Agency (FSA)	2010	\$35,400	1m base map imagery
4	KY	12-04-8524S	Base Map	Kentucky Division of Water	2011	\$111,300	Base Map Gathered - Per Ticket 5922 [GCQ][base_map][SquareMile]
4	KY	12-04-8525S	Base Map	Kentucky Division of Water	2011	\$47,600	Base Map Gathered - Ticket 5922 [GCQ][base_map][SquareMile]
4	KY	12-04-8525S	Elevation	Kentucky Division of Water	2011	\$1,560	[GCQ][topo][Dollar]
4	KY	12-04-8534S	Base Map	Kentucky Division of Water	2012	\$162,850	[GCQ][base_map][SquareMile] [GCQ][base_map][SquareMile]
4	MS	10-04-4171S	Base Map	Mississippi Department of Environmental Quality, Office of Geology	2009	\$16,260	
4	MS	10-04-4169S	Elevation	Mississippi Department of Environmental Quality, Office of Geology	2009	\$160,000	
4	MS	10-04-4169S	Base Map	Mississippi Department of Environmental Quality, Office of Geology	2009	\$104,064	
4	MS	10-04-4164S	Base Map	National Agriculture Imagery Program	2009	\$25,600	[GCQ][base_map][SquareMile]
4	MS	10-04-4167S	Elevation	Mississippi Department of Environmental Quality, Office of Geology	2009	\$61,770	
4	NC	11-04-7660S	Base Map	North Carolina Floodplain Mapping Program	2009	\$251,320	2010 Orthophotography from NC Statewide Orthophoto Project
4	NC	11-04-8240S	Base Map	North Carolina Floodplain Mapping Program	2009	\$402,112	2010 ortho photos from NC statewide Orthophotography project
4	SC	10-04-4864S	Elevation	South Carolina Department of Natural Resources	2009	\$199,960	[GCQ]
4	SC	10-04-4864S	Base Map	South Carolina Department of Natural Resources	2010	\$80,000	
4	SC	10-04-4864S	Elevation	South Carolina Department of Natural Resources	2010	\$160,000	
4	TN	10-04-3117S	Elevation		2009	\$108,600	
4	TN	10-04-3156S	Elevation		2009	\$31,360	
4	TN	10-04-3156S	Elevation	State of Tennessee	2009	\$31,360	Request 116092-Topo
4	TN	10-04-3113S	Elevation		2009	\$105,200	



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
4	TN	10-04-3155S	Elevation	Knox County, TN	2009	\$127,000	Request 116092-Topo
4	TN	10-04-3155S	Elevation		2009	\$127,000	Data actually provided by County's GIS program.
5	IN	10-05-2671S	Base Map	Indiana Department of Natural Resources (DNR)	2009	\$40,900	
5	IN	10-05-2683S	Elevation	Indiana Department of Natural Resources (DNR)	2009	\$82,000	
5	IN	10-05-3845S	Base Map	Indiana Department of Natural Resources (DNR)	2009	\$40,300	
5	IN	10-05-3845S	Elevation	Indiana Department of Natural Resources (DNR)	2009	\$80,600	
5	IN	10-05-2680S	Base Map	Indiana Department of Natural Resources (DNR)	2009	\$41,300	
5	IN	10-05-2680S	Elevation	Indiana Department of Natural Resources (DNR)	2009	\$82,600	
5	IN	10-05-2671S	Elevation	Indiana Department of Natural Resources (DNR)	2009	\$81,800	
5	IN	10-05-2672S	Elevation	Indiana Department of Natural Resources (DNR)	2009	\$80,600	
5	IN	10-05-2674S	Elevation	Indiana Department of Natural Resources (DNR)	2009	\$61,400	
5	IN	10-05-2666S	Elevation	Indiana Department of Natural Resources (DNR)	2009	\$132,000	
5	IN	10-05-2675S	Base Map	Indiana Department of Natural Resources (DNR)	2009	\$32,200	
5	IN	10-05-2675S	Elevation	Indiana Department of Natural Resources (DNR)	2009	\$64,400	
5	IN	10-05-2678S	Elevation	Indiana Department of Natural Resources (DNR)	2009	\$90,600	
5	IN	10-05-2674S	Base Map	Indiana Department of Natural Resources (DNR)	2011	\$31,380	[BaseMap] Per request#116632 11/27/12. SquareMile, Org243, FY2011, 313.8
5	IN	10-05-2674S	Base Map	Indiana Department of Natural Resources (DNR)	2011	\$17,344	[BaseMap] Per request#116632 11/27/12. Panel, Org243, FY2011, 16
5	IN	10-05-2672S	Base Map	Indiana Department of Natural Resources (DNR)	2011	\$40,075	[BaseMap] Per request#116632 11/27/12. SquareMile, Org243, FY2011, 400.75
5	IN	10-05-2672S	Base Map	Indiana Department of Natural Resources (DNR)	2011	\$15,176	[BaseMap] Per request#116632 11/27/2012. Panel, 243, 2011, 14
5	IN	10-05-2666S	Elevation	Indiana Department of Natural Resources (DNR)	2011	\$1,428,712	[Topo] Per request#116632 11/27/2012. Panel, 243, 2011, 13
5	IN	10-05-2666S	Elevation	Indiana Department of Natural Resources (DNR)	2011	\$134,200	[Topo] Per request#116632 11/27/12. SquareMile, Org243, FY2011, 671
5	IN	10-05-2666S	Base Map	Indiana Department of Natural Resources (DNR)	2011	\$67,100	[BaseMap] Per request#116632 11/27/12. SquareMile, Org243, FY2011, 671



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5	IN	10-05-2666S	Base Map	Indiana Department of Natural Resources (DNR)	2011	\$14,092	[BaseMap] Per request#116632 11/27/2012. Panel, 243, 2011, 13
5	IN	10-05-2672S	Elevation	Indiana Department of Natural Resources (DNR)	2011	\$80,000	[Topo] Per request#116632, 124531. SquareMile, Org243, FY2011, 400.75
5	IN	10-05-2674S	Elevation	Indiana Department of Natural Resources (DNR)	2011	\$61,400	[Topo] Per request#116632, 124531. SquareMile, Org243, FY2011, 313.8
5	IN	10-05-2678S	Base Map	Indiana Department of Natural Resources (DNR)	2011	\$43,499	[BaseMap] Per request#116632 11/27/12. SquareMile, Org243, FY2011, 434.99
5	IN	10-05-2678S	Base Map	Indiana Department of Natural Resources (DNR)	2011	\$15,176	[BaseMap] Per request#116632 11/27/12. Panel, Org243, FY2011, 14
5	IN	10-05-2678S	Elevation	Indiana Department of Natural Resources (DNR)	2011	\$90,200	[Topo] Per request#116632, 124531. Panel, Org243, FY2011, 14
5	MI	08-05-3687S	Elevation		2009	\$139,750	559 square miles of IFSAR data. \$250 per square mile (Rolly to Hilly Terrain, less than 1000 square miles)
5	MI	10-05-2097S	Elevation	USACE, Detroit District	2010	\$20,800	[topo][square miles]
5	MI	11-05-1539S	Base Map		2010	\$21,680	base_map
5	MI	11-05-1539S	Elevation		2010	\$96,784	topo
5	MI	11-05-1544S	Elevation		2010	\$117,012	topo
5	MI	12-05-5544S	Elevation		2011	\$26,016	topo
5	MI	12-05-5308S	Scoping-tbd		2011	\$0	topo
5	MI	12-05-2853S	Scoping-tbd		2011	\$0	topo
5	MI	12-05-2217S	Elevation	U.S. Geological Survey - Earth Resources Observation and Science (EROS) Center	2011	\$472,624	[topo]
5	MI	11-05-1544S	Elevation		2011	\$227,640	topo
5	MI	11-05-1539S	Elevation		2011	\$268,832	topo
5	MI	12-05-0261S	Scoping-tbd		2011	\$0	topo
5	MI	13-05-4238S	Elevation	U.S. Army Corps of Engineers, Detroit District	2012	\$10,800	
5	MI	13-05-4243S	Elevation	U.S. Army Corps of Engineers, Detroit District	2012	\$107,800	Lake Michigan coastal LiDAR
5	MI	13-05-4243S	Base Map	USDA Farm Service Agency (FSA)	2012	\$53,900	NAIP imagery
5	MI	13-05-4242S	Elevation	U.S. Army Corps of Engineers, Detroit District	2012	\$39,200	Lake Michigan LiDAR imagery



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
5	MI	13-05-4242S	Base Map	USDA Farm Service Agency (FSA)	2012	\$19,600	NAIP imagery
5	MI	13-05-4241S	Base Map	USDA Farm Service Agency (FSA)	2012	\$15,700	
5	MI	13-05-4239S	Base Map	USDA Farm Service Agency (FSA)	2012	\$12,500	
5	MI	13-05-4237S	Elevation	U.S. Army Corps of Engineers, Detroit District	2012	\$14,600	Lake Michigan coastal LiDAR
5	MI	13-05-4236S	Elevation	U.S. Army Corps of Engineers, Detroit District	2012	\$14,600	Lake Michigan coastal LiDAR
5	MI	13-05-4235S	Elevation	U.S. Army Corps of Engineers, Detroit District	2012	\$14,200	Lake Michigan coastal LiDAR
5	MI	13-05-4234S	Elevation	U.S. Army Corps of Engineers, Detroit District	2012	\$14,800	Lake Michigan coastal LiDAR
5	MI	12-05-0261S	Elevation	USGS, Michigan	2012	\$153,800	[topo][square miles]
5	MI	12-05-2853S	Elevation		2012	\$176,400	[topo][square_mile]
5	MI	13-05-4238S	Base Map	USDA Farm Service Agency (FSA)	2012	\$35,600	
5	MI	13-05-4243S	Elevation		2013	\$420,200	USACE LiDAR [GCQ][topo][SquareMile]
5	MI	13-05-4242S	Elevation	USDA Farm Service Agency (FSA)	2013	\$176,400	NAIP Imagery [GCQ][base_map][SquareMile]
5	MI	13-05-4242S	Scoping-tbd		2013	\$0	US Army Corps of Engineers - St. Paul District
5	MI	13-05-4243S	Base Map	USDA Farm Service Agency (FSA)	2013	\$210,100	NAIP [GCQ][base_map][SquareMile]
5	MN	10-05-2108S	Elevation	Minnesota DNR	2009	\$330,000	
5	MN	10-05-2108S	Base Map	Minnesota DNR	2009	\$22,000	
5	MN	07-05-0460S	Base Map	Minnesota DNR	2010	\$72,233	Aerial imagery provided by the MN DNR
5	MN	11-05-1551S	Base Map	Minnesota DNR	2011	\$56,891	
5	OH	08-05-3698S	Base Map	Ohio Department of Natural Resources	2009	\$47,300	MrSID Orthophotography was acquired from the Ohio Geographically Reference Information Program.
5	OH	08-05-3698S	Elevation	Ohio Department of Natural Resources	2009	\$94,600	Countywide DEMs received from OSIP - Ohio Space Imagery Program
5	OH	10-05-2400S	Base Map	Ohio Department of Natural Resources	2009	\$53,200	
5	OH	10-05-2400S	Elevation	Ohio Department of Natural Resources	2009	\$123,200	[Topo] Per request#116947 12/04/2012. SqrMile, 31, 2009, add 616 from 532



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
5	OH	11-05-5221S	Elevation	Ohio Department of Natural Resources	2010	\$125,200	Provided by OGRIP
5	OH	12-05-3508S	Base Map	Ohio Department of Natural Resources	2010	\$15,000	Data Provided by OGRIP - (Ohio Geographically Referenced Information Program).
5	OH	12-05-3508S	Elevation	Ohio Department of Natural Resources	2010	\$30,000	Data Provided by OGRIP - (Ohio Geographically Referenced Information Program).
5	OH	11-05-4750S	Elevation	Ohio Department of Natural Resources	2010	\$50,000	Topo data by Ohio Geographically Referenced Information Program (OGRIP) and Ohio Statewide Imagery Program (OSIP)
5	OH	11-05-4750S	Base Map	Ohio Department of Natural Resources	2010	\$25,000	Topo data by Ohio Geographically Referenced Information Program (OGRIP) and Ohio Statewide Imagery Program (OSIP)
5	OH	11-05-5221S	Base Map	Ohio Department of Natural Resources	2010	\$62,600	Provided by OGRIP
5	OH	11-05-2569S	Elevation		2011	\$229,808	topo
5	WI	12-05-2816S	Elevation	Walworth County, WI	2003	\$4,275,153	[topo][dollars][Walworth County]
5	WI	13-05-3721S	Elevation	Sheboygan County, WI	2004	\$214,000	[topo][dollars][Sheboygan_County]
5	WI	13-05-3721S	Elevation	Washington County, WI	2007	\$745,200	[topo][dollars][Washington_County]
5	WI	12-05-2816S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$30,556	[base_map][dollars][Racine County][Kenosha County]
5	WI	12-05-2816S	Elevation	Wisconsin Department of Commerce	2010	\$204,520	[topo][dollars][Waukesha County]
5	WI	13-05-0778S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$504,500	Actual cost for Dane, Dodge, Jefferson, Rock, Walworth, Washington and Waukesha Counties = \$106,946
5	WI	13-05-0778S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$504,500	Actual cost for Dane, Dodge, Jefferson, Rock, Walworth, Washington and Waukesha Counties = \$106,946
5	WI	13-05-0778S	Elevation	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$849,600	Actual cost for Columbia, Dane, Dodge, Jefferson, Rock Counties = \$1,014,924
5	WI	13-05-3721S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$61,112	[base_map][dollars][Fond_du_Lac_County][Milwaukee_County][Ozaukee_County][Sheboygan_County]
5	WI	13-05-3721S	Elevation	Wisconsin Department of Commerce	2010	\$94,370	[topo][dollars][Milwaukee_County]
5	WI	11-05-8882S	Elevation	Wisconsin Department of Commerce	2010	\$186,000	Actual cost = \$186,000
5	WI	12-05-2282S	Elevation	Wisconsin Department of Commerce	2010	\$796,600	Actual cost for Crawford, Grant, Richland, Iowa and Sauk Counties = \$1,515,659
5	WI	13-05-0778S	Elevation	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$849,600	Actual cost for Columbia, Dane, Dodge, Jefferson, Rock Counties = \$1,014,924



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
5	WI	10-05-6392S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$63,700	Actual cost = \$15,278
5	WI	10-05-0307S	Elevation	Wisconsin Department of Commerce	2010	\$301,912	Req 117604 - Topo
5	WI	10-05-6387S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$15,278	Request 117604- Base Map
5	WI	12-05-2282S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$118,000	Actual cost for Grant, Richland and Iowa Counties = \$45,834
5	WI	10-05-6391S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$15,278	Request 117604 - Base Map
5	WI	11-05-1948S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$104,000	Actual cost = \$15,278
5	WI	11-05-8881S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$64,500	Actual cost = \$15,278
5	WI	11-05-8881S	Elevation	Wisconsin Department of Commerce	2010	\$22,800	Actual cost = \$22,800
5	WI	11-05-8882S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$93,000	Actual cost = \$15,278
5	WI	12-05-1603S	Elevation	Wisconsin Department of Commerce	2010	\$163,200	Actual cost for Vernon County = \$334,369
5	WI	12-05-1603S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$245,900	Actual cost for Columbia, Sauk and Vernon Counties = \$45,834
5	WI	10-05-0307S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$15,278	Req 117604 - Base Map
5	WI	10-05-6389S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$15,278	Request 117604 - Base Map
5	WI	13-05-4198S	Elevation	USACE, Detroit District	2013	\$13,600	
5	WI	13-05-4206S	Elevation	USACE, Detroit District	2013	\$13,600	
6	AR	10-06-0132S	Base Map		2009	\$66,700	Vector-based base map data provided by and approved for use in FEMA Flood Insurance Study by Arkansas Geographic Information Office (AGIO). Data was not in Appendix L format, but the shapes and attributes were used in preparation of the Digital Flood Insu
6	AR	10-06-1124S	Base Map	Arkansas Geographic Information Office (AGIO)	2009	\$62,900	Vector-based base map data provided by and approved for use in FEMA Flood Insurance Study by Arkansas Geographic Information Office (AGIO). Data was not in Appendix L format, but the shapes and attributes were used in preparation of the Digital Flood Ins
6	LA	10-06-0137S	Base Map	Caldwell Parish, LA	2009	\$26,016	S_POL_AR and S_PLSS_AR
6	LA	10-06-0136S	Elevation	LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT	2009	\$237,800	



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6	LA TX	12-06-0899S	Elevation	Sabine River Authority of Texas	2011	\$211,000	The LiDAR that the Sabine River Authority of Texas flew contained 1,970 square miles of data. The 1,055 square miles of data listed for this task is all that is being used for this project.
6	TX	10-06-0147S	Elevation	TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (TCEQ)	2009	\$211,600	The LIDAR data came from Texas Water Development Board but TWDB does not appear in the drop down. Perhaps TWDB is under TCEQ.
6	TX	10-06-1117S	Base Map	TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (TCEQ)	2009	\$88,500	The North Central Texas Council of Governments (NCTCOG) has provided 2009 orthophotographs for the full extent of Collin County, Texas. According to Blue Book values for Base Map Data 1 foot Orthophotos, the data is valued at \$100/square mile.
6	TX	10-06-1117S	Elevation	TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (TCEQ)	2009	\$19,600	The Texas Natural Resources Information System (part of the Texas Water Development Board) provided lidar data with Independent QA/QC. According to Blue Book values for Rolling to Hilly Terrain, this data is valued at \$230/square mile.
6	TX	10-06-1139S	Base Map	TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (TCEQ)	2009	\$89,700	The North Central Texas Council of Governments (NCTCOG) has provided 2009 orthophotographs for the full extent of Collin County, Texas. According to Blue Book values for Base Map Data 1 foot Orthophotos, the data is valued at \$100/square mile.
6	TX	10-06-1139S	Elevation	TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (TCEQ)	2009	\$57,000	The Texas Natural Resources Information System (part of the Texas Water Development Board) provided lidar data with Independent QA/QC. According to Blue Book values for Rolling to Hilly Terrain, this data is valued at \$230/square mile.
6	TX	10-06-0146S	Elevation	Texas Natural Resources Information System (TNRIS)	2009	\$125,600	TNRIS provided LiDAR topographic data used for hydraulic analysis and floodplain mapping.
6	TX	11-06-1592S	Elevation	Grand Prairie (City), TX	2010	\$19,550	City of Grand Prairie Local Match 25%
6	TX	11-06-1592S	Base Map	Grand Prairie (City), TX	2010	\$10,000	City of Grand Prairie Local Match 25%
6	TX	11-06-0913S	Elevation	Austin (City), TX	2012	\$21,453	The total includes the contribution from the Dry Creek East study.
7	IA	10-07-0460S	Elevation	Iowa Department of Natural Resources	2009	\$93,948	Per Ticket 100340
7	IA	10-07-0461S	Base Map	Iowa Department of Natural Resources	2009	\$19,180	
7	IA	10-07-0464S	Elevation		2009	\$205,460	
7	IA	10-07-0461S	Base Map	Iowa Department of Natural Resources	2009	\$95,994	Aerial imagery provided by the IDNR
7	IA	10-07-0461S	Elevation	Iowa Department of Natural Resources	2009	\$191,988	LiDAR provided by the IDNR



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
7	IA	10-07-0461S	Elevation	Iowa Department of Natural Resources	2009	\$239,750	
7	IA	10-07-0462S	Base Map	USDA Farm Service Agency (FSA)	2009	\$49,055	Per Ticket 100796
7	IA	10-07-0463S	Base Map	USDA Farm Service Agency (FSA)	2009	\$57,077	Per Ticket 100796
7	IA	10-07-0467S	Elevation	Iowa Department of Natural Resources	2009	\$116,436	Per Ticket 100340
7	IA	10-07-0464S	Base Map		2009	\$20,546	
7	IA	10-07-0453S	Elevation	Iowa Department of Natural Resources	2009	\$145,500	
7	IA	10-07-0465S	Base Map	USDA Farm Service Agency (FSA)	2009	\$100,200	Per Request 123797
7	IA	10-07-0453S	Base Map	Iowa Department of Natural Resources	2009	\$11,640	
7	IA	10-07-0453S	Base Map	Iowa Department of Natural Resources	2009	\$58,196	Aerial imagery provided by the IDNR
7	IA	10-07-0453S	Elevation	Iowa Department of Natural Resources	2009	\$116,392	LiDAR provided by the IDNR
7	IA	10-07-0466S	Elevation	Iowa Department of Natural Resources	2010	\$200,000	US Geological Survey, Iowa District
7	IA	10-07-0484S	Base Map	USDA Farm Service Agency (FSA)	2010	\$57,300	Per Ticket 112843, 123799
7	IA	10-07-0485S	Base Map	USDA Farm Service Agency (FSA)	2010	\$57,600	Per Ticket 100861, 112843, 123799
7	IA	10-07-0483S	Base Map	USDA Farm Service Agency (FSA)	2010	\$67,700	Per Ticket 100861,112843, 123799
7	IA	11-07-0777S	Elevation	Greenhorne & O'Mara, Inc.	2010	\$15,950	PerTicket 100564
7	IA	10-07-0467S	Base Map	USDA Farm Service Agency (FSA)	2010	\$50,100	Per Ticket 112843
7	IA	10-07-0466S	Elevation	Iowa Department of Natural Resources	2010	\$173,780	Per Request 112843, 2 foot contours, Countywide DEM, and LiDAR points, corrections per request 123797
7	IA	10-07-0466S	Base Map	USDA Farm Service Agency (FSA)	2010	\$86,890	Per Request 112843, Worth County Orthophoto, updated per request123797
7	IA	10-07-0483S	Elevation	Iowa Department of Natural Resources	2010	\$135,400	Per Ticket 100861,112843, 123799
7	IA	10-07-0465S	Elevation	Iowa Department of Natural Resources	2010	\$113,200	Per Request 123797
7	IA	10-07-0465S	Base Map	USDA Farm Service Agency (FSA)	2010	\$56,600	Per Request 123797
7	IA	10-07-0455S	Base Map	Iowa Department of Natural Resources	2010	\$11,660	Per Ticket 100767



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
7	IA	10-07-0467S	Elevation	Iowa Department of Natural Resources	2010	\$100,200	Per Ticket 112843
7	IA	10-07-0485S	Elevation	Iowa Department of Natural Resources	2010	\$115,200	Per Ticket 100861, 112843, 123799
7	IA	10-07-0458S	Elevation	Iowa Department of Natural Resources	2010	\$236,500	Per Ticket 100767
7	IA	10-07-0463S	Elevation	Iowa Department of Natural Resources	2010	\$115,200	Per Ticket 112843
7	IA	10-07-0454S	Base Map	USDA Farm Service Agency (FSA)	2010	\$110,100	Per Ticket 100759 Base map data for the entire county received in January 2010, ticket 123796
7	IA	10-07-0454S	Elevation	Iowa Department of Natural Resources	2010	\$220,200	Per Ticket 100759 DOWNLOADED IN JANUARY 2010 FROM IOWA FARM SERVICES ADMINISTRATION, Ticket 123796
7	IA	10-07-0457S	Base Map	USDA Farm Service Agency (FSA)	2010	\$57,000	Per Ticket 100759, 123796 Base map data for the entire county received from the County in March 2010
7	IA	10-07-0457S	Elevation	Green County, WI	2010	\$81,400	Per Ticket 112843, 123796
7	IA	10-07-0459S	Base Map	Iowa Department of Natural Resources	2010	\$11,580	Per Ticket 100767, 123796
7	IA	10-07-0459S	Base Map	USDA Farm Service Agency (FSA)	2010	\$49,900	Per Ticket 112843, 123796
7	IA	10-07-0460S	Base Map	USDA Farm Service Agency (FSA)	2010	\$56,500	Per Ticket 112843
7	IA	10-07-0460S	Elevation	Iowa Department of Natural Resources	2010	\$113,000	Per Ticket 112843
7	IA	10-07-0462S	Base Map	USDA Farm Service Agency (FSA)	2010	\$58,700	Per Ticket 112843
7	IA	10-07-0462S	Elevation	Iowa Department of Natural Resources	2010	\$117,400	Per Ticket 112843
7	IA	10-07-0463S	Base Map	USDA Farm Service Agency (FSA)	2010	\$57,600	Per Ticket 112843
7	IA	10-07-0455S	Elevation	Iowa Department of Natural Resources	2010	\$291,500	Per Ticket 100767
7	IA	11-07-2746S	Elevation	Iowa Department of Natural Resources	2011	\$103,400	Statewide LiDAR [GCQ][topo][SquareMile]
7	IA	12-07-1055S	Scoping-tbd	Iowa Department of Natural Resources	2011	\$0	topo is Iowa Statewide LIDAR; base_map is NAIP Imagery
7	IA	12-07-1057S	Scoping-tbd	Iowa Department of Natural Resources	2011	\$0	topo is Iowa Statewide LIDAR; base_map is NAIP Imagery
7	IA	12-07-1058S	Scoping-tbd	Iowa Department of Natural Resources	2011	\$0	topo is Iowa Statewide LIDAR; base_map is NAIP Imagery
7	IA	13-07-0036S	Elevation	Iowa Department of Natural Resources	2013	\$114,600	[GCQ][topo][SquareMile]



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
7	IA	13-07-0038S	Elevation	Iowa Department of Natural Resources	2013	\$98,200	[GCQ][topo][SquareMile]
7	IA	13-07-0037S	Elevation	Iowa Department of Natural Resources	2013	\$115,400	[GCQ][topo][SquareMile]
7	IA MO	11-07-1083S	Base Map	Iowa Department of Natural Resources	2011	\$10,760	
7	IA NE S	12-07-0404S	Base Map	USDA Farm Service Agency (FSA)	2012	\$176,400	[GCQ][base_map][SquareMile]
7	IA NE S	12-07-0404S	Elevation	Natural Resources Conservation Service	2012	\$352,800	[GCQ][topo][SquareMile]
7	KS	10-07-0561S	Elevation		2009	\$14,600	
7	KS	10-07-0009S	Base Map	Leavenworth County, KS	2009	\$46,400	[base_map]
7	KS	10-07-0012S	Base Map	Kansas Division of Water Resources	2009	\$58,400	[base_map]
7	KS	10-07-0014S	Elevation	Kansas Division of Water Resources	2009	\$18,135	
7	KS	10-07-0015S	Elevation	Kansas Division of Water Resources	2009	\$287,000	LiDAR provided for more accuracy.
7	KS	11-07-1996S	Base Map	Kansas Division of Water Resources	2010	\$71,300	[base_map] Per request#119375 01/28/2013. SquareMile, 540, 2010, 713
7	KS	11-07-3549S	Elevation	Kansas Division of Water Resources	2011	\$36,000	LIDAR data was acquired through partnership. Harvey County, KS contributed 36,000 towards project.
7	KS	11-07-2190S	Base Map	Clay and Cloud County, KS	2011	\$135,800	base_map Request 119360 from Erika Stanley
7	KS NE	11-07-2117S	Base Map	Washington County, KS	2010	\$88,900	[base_map] Per request#119378 01/29/2013. SquareMile, 5775, 2010, 889
7	KS NE	11-07-2117S	Elevation	Nebraska Department of Natural Resources	2010	\$28,800	Estimated value of LiDAR data contributed to the project.
7	NE	10-07-0558S	Elevation		2009	\$79,100	
7	NE	10-07-2112S	Base Map	USDA Farm Service Agency (FSA)	2010	\$57,500	[GCQ][base_map][SquareMile] Per request#119354 01/28/2013. SquareMile, 5069, 2010, 575
7	NE	11-07-0778S	Elevation	Greenhorne & O'Mara, Inc.	2010	\$13,920	PerT icket 100564
7	NE	12-07-0405S	Base Map	USDA Farm Service Agency (FSA)	2012	\$220,500	[GCQ][base_map][SquareMile]
7	NE	12-07-3386S	Elevation	Natural Resources Conservation Service	2012	\$150,800	[GCQ][topo][SquareMile] Request 121751
7	NE	12-07-3386S	Base Map	USDA Farm Service Agency (FSA)	2012	\$75,400	[GCQ][base_map][SquareMile]
7	NE	12-07-0405S	Elevation	Natural Resources Conservation Service	2012	\$441,000	[GCQ][topo][SquareMile]



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
8	MT	07-08-0276S	Base Map	Montana Dept. of Natural Resources & Conservation (MTDNRC)	2009	\$29,860	
8	MT	07-08-0276S	Elevation	Montana Dept. of Natural Resources & Conservation (MTDNRC)	2009	\$27,525	
8	MT	09-08-0967S	Base Map	Montana Dept. of Natural Resources & Conservation (MTDNRC)	2009	\$89,600	
8	MT	10-08-1057S	Base Map	National Agriculture Imagery Program	2010	\$36,800	2009 Montana NAIP Imagery
8	MT	10-08-1057S	Elevation	Montana Dept. of Natural Resources & Conservation (MTDNRC)	2010	\$23,500	Lidar data collected in 2004 along Yellowstone River.
8	MT	12-08-0133S	Elevation	Montana Dept. of Natural Resources & Conservation (MTDNRC)	2011	\$90,000	Lidar data collected in 2009.
8	ND	09-08-0856S	Elevation	North Dakota State Water Commission	2009	\$36,000	
8	ND	10-08-0041S	Elevation	International Water Institute	2009	\$186,000	Not a contracted task, but have uploaded metadata for this task in order to get to the QC task. Per ticket request 124497
8	ND	09-08-1007S	Elevation	North Dakota State Water Commission	2009	\$87,400	46 sq mi - 6" LiDAR w/ ground control @ \$1,900
8	ND	10-08-0041S	Base Map		2009	\$101,000	Per request#113810 09/17/2012
8	ND	13-08-0193S	Elevation	North Dakota State Water Commission	2013	\$87,400	IWI Red River Valley LiDAR for Traill County
8	UT	10-08-1054S	Elevation	Utah Division of Emergency Services and Homeland Security	2010	\$100,000	Leverage provided by Bountiful, Fruit Heights and Layton.
9	AZ	10-09-0013S	Base Map	National Agriculture Imagery Program	2009	\$110,000	Ortho
9	AZ	10-09-0013S	Base Map	Navajo County	2009	\$20,000	Private Lands GIS shapefile
9	AZ	10-09-0736S	Base Map	Flood Control District of Maricopa County, AZ	2009	\$108,400	Includes printed and un printed panels
9	AZ	11-09-1495S	Elevation	City of Prescott, AZ	2010	\$36,828	
9	AZ	12-09-1963S	Elevation	Coconino County Flood Control District, AZ	2013	\$24,000	
9	CA	09-09-3068S	Elevation	Mono County, CA	2009	\$11,000	Contributed by Mono County, CA for the Tri-Valley Floodplain Study
9	CA	10-09-0039S	Base Map	Natural Resources Conservation Service	2009	\$10,840	Downloaded for the whole county
10	AK	11-10-0125S	Elevation		2009	\$13,092	Per Ticket 106322
10	ID	11-10-0399S	Elevation	USGS - Center for Coastal and Watershed Studies	2006	\$37,244	The United States Geological Survey (USGS) Center for Coastal and Watershed Studies, the National Aeronautics and Space Administration (NASA), United States Bureau of Reclamation (Reclamation), IDWR



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded Year	Leverage Dollar Value	Leverage Task Comments
10	ID	13-10-0095S	Elevation	FEMA	2011	\$168,000	ACTUALLY CONTRIBUTED BY IDWR BUT NOT AN OPTION? THIS TASK WAS CAPTURED IN A DIFFERENT PROJECT
10	OR	11-10-0351S	Elevation	Oregon Department of Geology and Mineral Industries (DOGAMI)	2010	\$514,400	
10	OR	11-10-0349S	Elevation	Oregon Department of Geology and Mineral Industries (DOGAMI)	2010	\$160,400	DOGAMI had previously acquired for non-related projects 802 square miles of high quality lidar topographic data that would be used for re-delineation, hydraulic analysis, and base map production for this project.
10	OR	11-10-0351S	Base Map	National Agriculture Imagery Program	2010	\$613,400	Aerial photography
10	OR	11-10-0355S	Elevation	Oregon Department of Geology and Mineral Industries (DOGAMI)	2011	\$27,000	DOGAMI had previously acquired for non-related projects 135 square miles of high quality lidar topographic data that would be used for re-delineation, hydraulic analysis, and base map production for this project.
10	OR	11-10-0409S	Elevation	Oregon Department of Geology and Mineral Industries (DOGAMI)	2011	\$47,000	DOGAMI had previously acquired for non-related projects 235 square miles of high quality lidar topographic data that would be used for re-delineation, hydraulic analysis, and base map production for this project.
10	WA	11-10-0346S	Elevation			\$32,600	[Topo] Per request#116967 12/04/2012. SquareMile, 5489, 09, 163
10	WA	11-10-0140S	Elevation	Oregon LiDAR Consortium	2009	\$233,800	[Topo] Per request#116966 11/04/2012. SquareMile, 5489, 2009, 1169
10	WA	11-10-0395S	Elevation	Thurston County, WA	2010	\$192,778	This is for Thurston County, WA [GCQ]
10	WA	11-10-0102S	Elevation	King County, WA	2011	\$101,070	This data is from King County, Washington [GCQ]
10	WA	11-10-0140S	Elevation	Department of Commerce	2011	\$460,000	Astoria and Tahola, WA/OR 1/3 arc-second MHW DEM from Tsunami Inundation Study [GCQ]
10	WA	11-10-0140S	Elevation	Oregon Department of Geology and Mineral Industries (DOGAMI)	2011	\$48,000	This is the LiDAR data for Gray's Harbor, WA [GCQ]
10	WA	12-10-0398S	Elevation	Pierce County, WA GIS Department	2012	\$90,000	Add "Pierce County, WA GIS Department" as the Contributing Partner [GCQ][topo][SquareMile] - Request 121078
10	WA	12-10-0398S	Elevation	Department of Commerce	2012	\$34,000	Puget Sound, WA (P290) Bathymetric Digital Elevation Model (30 meter resolution) Derived From Source Hydrographic Survey Soundings Collected by NOAA [GCQ][topo][SquareMile] - Request 121079



Elevation Data Sets Produced in Risk MAP, Task Fiscal Year 2012 - Present

Reg.	State	Case Number	MIP Proj Name	Year Collecte	Leverage Value	NDEP State-County	Status	Vertical Datum	Data Format	Collection Method	Use Constraints	Horizontal Posting	Vertical Accuracy	Lead Agency
2	NY	13-02-1231S	REG-Hudson_Hoosic (W)-FY12-02020003	2012										
4	FL	13-04-1869S	REG-SW Florida Coastal Study FY12 (C) Sarastoa-Collier	2012										
4	MS	13-04-2388S	REG-Middle Pearl-Strong Topo MS FY12 (T) 03180002 Rankin+	2012		Unknown	In work	North American	Mass Points/Break Lines; DEM	LIDAR	No	1 meter		FEMA
4	SC	13-04-3150S	REG-Seneca R Watershed SC FY11 (W) 03060101 Anderson+	2012		Unknown	In work	North American	Mass Points/Break Lines; Contours; DEM	LIDAR	No	1 meter	1 meter	FEMA
6	TX	12-06-0897S	(REG) Middle Brazos-Palo Pinto TX HUC 12060201 (FY11 Watershed)	2012		Texas	Proposed	North American	Mass Points/Variable Spacing	LIDAR	To be determined	To be Determined		FEMA
8	SD	12-08-0739S	REG-Lewis and Clark; Big Sioux Watershed (Union County). W-FY12 HUC 10170101; 10170203	2012										
10	OR	13-10-0371S	LiDAR- OR; Clackamas Co., Multnomah County- FY12 (E)	2012	\$25,836									



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