



FEMA

Semi-Annual Geospatial Data Coordination Report

December 13, 2012



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 two primary purposes. The first is to provide a summary of the funds spent by FEMA on elevation and imagery data and the value of geospatial data investments provided by other Federal, State, and local government agencies that have been leveraged by the Risk MAP Program. Summary data and project listings of geospatial data contributions are provided below in the section entitled "Geospatial Leverage in Risk MAP Projects".

The second purpose is to provide a summary of the data used by Risk MAP for the two most critical types of geospatial data for Risk MAP. Elevation and imagery data sets collected or produced by FEMA's Risk MAP program are listed to provide Agency members of the National Digital Elevation Program (NDEP), the National Digital Orthophoto Program (NDOP), and other potential users with a summary of these data sets. Listings of these data sets are provided below in the section entitled "Elevation Data Sets Produced in Risk MAP". "Produced in Risk MAP" means that FEMA provided at least part of the funding for the data production.

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

This report is updated on a semi-annual basis occurring in the Spring and Fall.



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 2009	FY 2010	FY 2011	FY 2012
1	FEMA budget	\$ 44,089	\$ 34,542	\$ 70,313		\$ 680,262	\$ 888,075	\$ 790,000	
	Gathered Lev.		\$ 772,572						
	Production Lev.		\$ 23,900				\$ 138,620	\$ 307,084	
2	FEMA budget	\$ 258,446	\$ 64,646	\$ 7,675		\$ 1,133,327	\$ 665,070	\$ 1,010,000	
	Gathered Lev.	\$ 288,923				\$ 8,600			
	Production Lev.	\$ 80,000	\$ 80,000			\$ 650,016			
3	FEMA budget	\$ 308,136	\$ 120,473	\$175,528	\$13,871	\$ 129,783	\$ 1,405,038	\$ 1,200,000	\$ 1,656
	Gathered Lev.	\$ 74,500				\$ 149,000			
	Production Lev.		\$ 2,935				\$ 93,450		
4	FEMA budget	\$ 335,130	\$ 129,850	\$125,743		\$ 1,523,126	\$ 7,616,767	\$ 3,400,000	
	Gathered Lev.	\$ 1,502,542	\$ 140,875			\$ 2,040,680	\$ 276,000		
	Production Lev.	\$ 323,320				\$ 1,443,190	\$ 31,600		
5	FEMA budget	\$ 178,396	\$ 90,363	\$103,928		\$ 41,066	\$ 1,914,761	\$ 1,870,000	
	Gathered Lev.	\$ 100,500	\$ 311,057	\$56,891		\$ 201,000	\$ 2,574,436	\$ 41,400	
	Production Lev.	\$ 22,000			\$1,700	\$ 469,750			
6	FEMA budget	\$ 134,260	\$ 40,861	\$37,161		\$ 742,584	\$ 3,151,734	\$ 4,340,000	
	Gathered Lev.	\$ 333,816		\$4,700		\$ 413,800			
	Production Lev.		\$ 3,717			\$ 237,800	\$ 5,837		
7	FEMA budget	\$ 140,927	\$ 35,055	\$126,192	\$15,038	\$ 867,853	\$ 1,282,326	\$ 1,830,000	\$ 8,160
	Gathered Lev.	\$ 360,522	\$ 810,940			\$ 813,204	\$ 1,613,380		
	Production Lev.	\$ 58,862	\$ 32,700	\$612		\$ 702,545	\$ 586,670	\$ 712,750	
8	FEMA budget	\$ 87,064	\$ 77,179	\$46,469		\$ 483,992	\$ 1,043,986	\$ 1,570,000	
	Gathered Lev.	\$ 101,000		\$7,600		\$ 222,000			
	Production Lev.	\$ 133,862				\$ 115,775			
9	FEMA budget	\$ 261,588	\$ 218,696	\$56,056		\$ 1,296,585	\$ 1,864,912	\$ 2,390,000	
	Gathered Lev.	\$ 15,140	\$ 19,550			\$ 28,742	\$ 36,828		
	Production Lev.								
10	FEMA budget	\$ 143,195	\$ 193,148	\$92,975		\$ 369,258	\$ 913,840	\$ 1,600,000	
	Gathered Lev.	\$ 632				\$ 14,656			
	Production Lev.								
National	FEMA budget	\$ 1,891,231	\$ 1,004,813	\$842,040	\$28,909	\$ 7,267,836	\$ 20,746,509	\$ 20,000,000	\$ 9,816
	Gathered Lev.	\$ 2,777,575	\$ 4,259,042	\$69,191		\$ 3,891,682	\$ 3,469,404	\$ 41,400	
	Production Lev.	\$ 618,044	\$ 143,252	\$612	\$1,700	\$ 3,619,076	\$ 1,158,089	\$ 1,019,834	

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

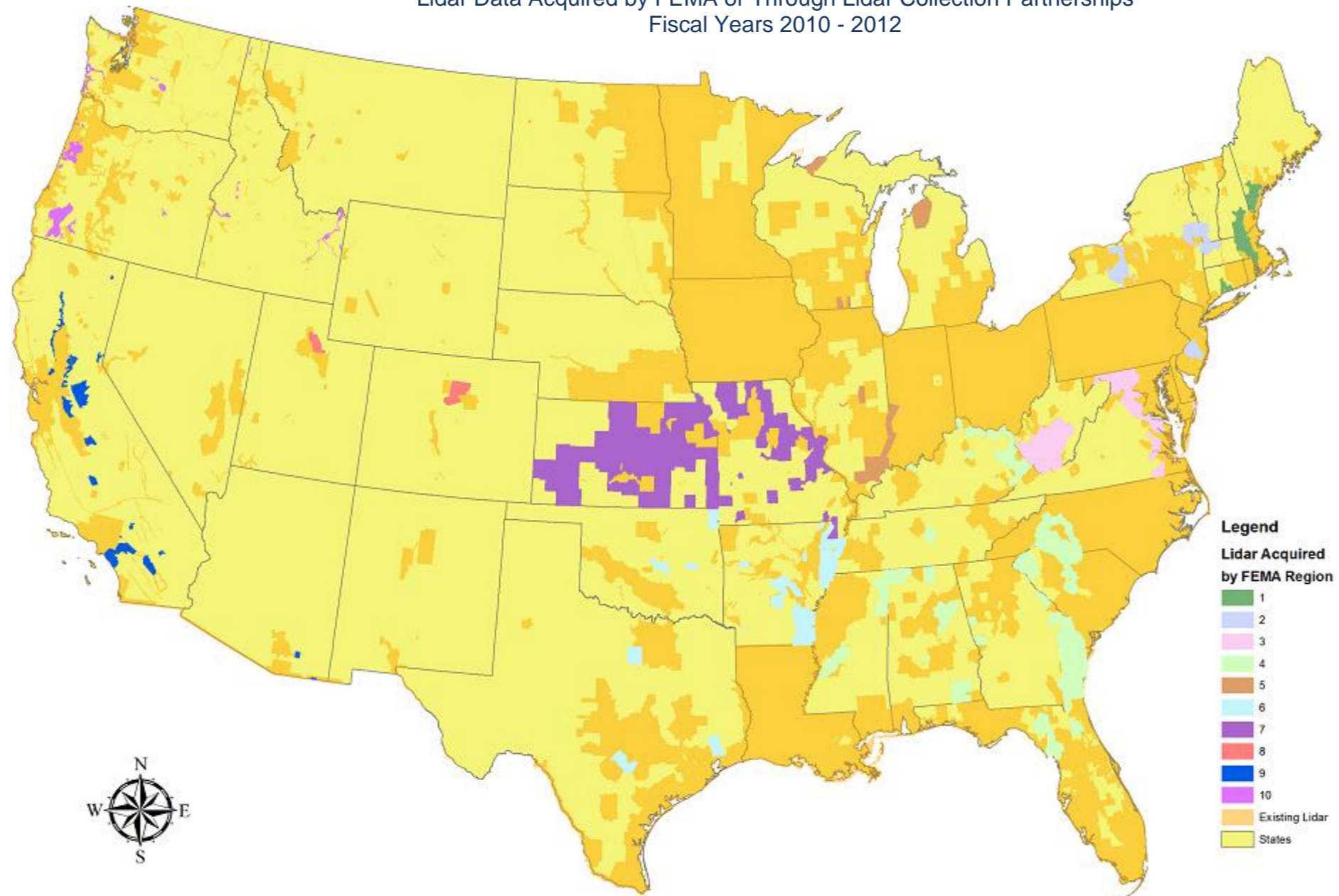
In the columns immediately to the right of the dollar values are those FEMA budgets and Leverages expressed as a percentage of (FEMA budget + Leverage).

Empty cells indicate that no activity is reported.

FY11 is the last full reporting year. Budget and leverage data for FY12 is not complete as of the publication of this report.



Lidar Data Acquired by FEMA or Through Lidar Collection Partnerships Fiscal Years 2010 - 2012





Gathered Leverage in Risk MAP Projects, 2009-2012

Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
1	CT	10-01-0663S	Base Map	Connecticut Department of Environmental Protection (CT DEP)	2010	\$77,200	
1	CT	10-01-0664S	Base Map	Connecticut Department of Environmental Protection (CT DEP)	2010	\$43,900	
1	CT	10-01-0665S	Base Map	Connecticut Department of Environmental Protection (CT DEP)	2010	\$86,200	
1	CT	10-01-0662S	Base Map	Connecticut Department of Environmental Protection (CT DEP)	2010	\$83,700	
1	MA	11-01-0533S	Base Map		2010	\$21,000	[base_map] orthophotography
1	MA	10-01-0661S	Base Map	Massachusetts Office of Geographic Information (MASS GIS)	2010	\$10,500	
1	MA	11-01-0523S	Base Map		2010	\$30,352	[base_map] orthophotography
1	MA	11-01-0523S	Base Map		2010	\$10,000	[base_map] orthophotography
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		2010	\$43,360	[base_map] orthophotography
1	ME	12-01-1917S	Scoping-tbd	State of Maine GIS	2011	\$4,401	Downeast-Coastal Watersheds
1	ME	12-01-1916S	Scoping-tbd	State of Maine GIS	2012	\$6,982	Mid-Coastal Communities: \$6982
1	NH	10-01-0438S	Base Map	New Hampshire Geographically Referenced Analysis and Information Transfer System	2010	\$99,200	
1	NH	10-01-0672S	Base Map	New Hampshire Geographically Referenced Analysis and Information Transfer System	2010	\$183,100	
1	VT	10-01-0671S	Base Map	VCGI	2010	\$67,800	
2	NJ	10-02-0672S	Base Map	New Jersey State Office of Information Technology	2009	\$18,529	
2	NJ	10-02-0675S	Base Map	New Jersey State Office of Information Technology	2009	\$2,927	
2	NJ	10-02-0957S	Base Map	New Jersey State Office of Information Technology	2009	\$4,669	Complete.
2	NJ	10-02-0956S	Base Map	New Jersey State Office of Information Technology	2009	\$10,492	



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
2	NJ	10-02-0680S	Base Map	New Jersey State Office of Information Technology	2009	\$11,750	
2	NJ	10-02-0673S	Base Map	New Jersey State Office of Information Technology	2009	\$2,962	
2	NJ	10-02-0670S	Base Map	New Jersey State Office of Information Technology	2009	\$13,230	Task complete.
2	NJ	10-02-0669S	Base Map	New Jersey State Office of Information Technology	2009	\$7,235	Task complete.
2	NJ	10-02-0568S	Base Map	New Jersey State Office of Information Technology	2009	\$56,107	
2	NJ	10-02-0591S	Base Map	New Jersey State Office of Information Technology	2009	\$33,788	
2	NJ	10-02-0954S	Base Map	New Jersey State Office of Information Technology	2009	\$5,627	Task Complete.
2	NJ	10-02-0581S	Base Map	New Jersey State Office of Information Technology	2009	\$48,930	
2	NJ	10-02-0578S	Base Map	New Jersey State Office of Information Technology	2009	\$25,519	
2	NJ	10-02-0671S	Base Map	New Jersey State Office of Information Technology	2009	\$47,158	Task Complete.
2	NY	12-02-0632S	Scoping-tbd	NYS Office of Cyber Security & Critical Infrastructure Coordination	2011	\$7,000,000	Whole project is funded by NY City Department of Environmental Protection (no entry in MIP for this organization)
2	PR	10-02-0678S	Elevation	Department of Commerce	2009	\$8,600	there are multiple originators for this data: Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), Coastal Services Center (CSC), USACE, St. Louis District
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	10-03-0271S	Base Map	National Geospatial-Intelligence Agency (NGA)	2009	\$74,500	Also gathered by the USGS.
3	PA	10-03-0271S	Elevation		2009	\$149,000	Lidar collection was by PAMAP, not RAMPP.
4	AL	09-04-8024S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$79,500	
4	AL	09-04-8084S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$80,500	
4	AL	09-04-7728S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$62,100	



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
4	AL	09-04-8024S	Elevation	Alabama Department of Economic and Community Affairs	2009	\$159,000	
4	AL	09-04-8084S	Elevation	Alabama Department of Economic and Community Affairs	2009	\$161,000	
4	AL	09-04-7729S	Elevation	Alabama Department of Economic and Community Affairs	2009	\$158,000	
4	AL	09-04-7728S	Elevation	Alabama Department of Economic and Community Affairs	2009	\$124,200	
4	AL	09-04-7728S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$92,140	
4	AL	09-04-7729S	Base Map	Alabama Department of Economic and Community Affairs	2009	\$79,000	
4	AL	12-04-0100S	Base Map	Alabama Department of Economic and Community Affairs	2010	\$58,000	
4	AL	12-04-0100S	Elevation	Alabama Department of Economic and Community Affairs	2010	\$116,000	
4	FL	08-04-6374S	Elevation	South Florida Water Management District (SFWMD)	2006	\$45,200	Change contributor to State of Florida
4	FL	08-04-6214S	Elevation	South Florida Water Management District (SFWMD)	2007	\$19,000	
4	FL	10-04-3116S	Elevation		2009	\$301,200	[Topo] Per request#116281 11/16/2012. SquareMile 1506, ORG 5491, FY 2009
4	FL	10-04-3115S	Base Map		2009	\$115,600	[BaseMap] Per request#116281 11/16/2012. SquareMile 1156, ORG 5491, FY 2009
4	FL	11-04-0150S	Elevation	Suwannee River Water Management District, FL	2009	\$2,400	
4	FL	11-04-0150S	Base Map	Florida Department of Community Affairs	2009	\$69,190	
4	FL	10-04-3115S	Elevation		2009	\$231,200	[Topo] Per request#116281 11/16/2012. SquareMile 1156, ORG 5491, FY 2009
4	FL	09-04-8602S	Base Map		2009	\$76,200	
4	FL	09-04-8602S	Elevation		2009	\$115,200	Very Flat Terrain Less than 1000 sq mile
4	FL	10-04-3116S	Base Map		2009	\$150,600	[BaseMap] Per request#116281 11/16/2012. SquareMile 1506, ORG 5491, FY 2009
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



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
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	\$6,200	LiDAR data from Coastal Aquisition Project
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	10-04-6261S	Base Map	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$44,500	Community-supplied base map
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	10-04-6259S	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	10-04-6258S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$68,800	Data provided by Cobb County, GA.
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	10-04-6264S	Elevation	Georgia Department of Natural Resources, Floodplain Management Office	2009	\$50,000	Data provided by Gwinnett County, GA
4	KY	10-04-7839S	Base Map	USDA Farm Service Agency (FSA)	2006	\$19,900	2006 FSA 2' aerial imagery.
4	KY	10-04-7840S	Base Map	Kentucky Division of Water	2009	\$39,758	[base_map] Per request#115510 10/31/2012
4	KY	10-04-7846S	Base Map	USDA Farm Service Agency (FSA)	2009	\$30,000	FSA NAIP 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



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
4	KY	10-04-7841S	Elevation	Kentucky Division of Water	2009	\$33,000	Local 2ft. contour equivalent derived from LIDAR.
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.
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 T N	12-04-0992S	Base Map	Kentucky Division of Water	2010	\$2,875	[base_map] Per request#115510 10/31/2012
4	MS	10-04-4171S	Base Map	Mississippi Department of Environmental Quality, Office of Geology	2009	\$16,260	
4	MS	10-04-4169S	Base Map	Mississippi Department of Environmental Quality, Office of Geology	2009	\$104,064	
4	MS	10-04-4169S	Elevation	Mississippi Department of Environmental Quality, Office of Geology	2009	\$160,000	
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	09-04-8601S	Base Map		2009	\$68,100	
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	Base Map		2010	\$3,252	base_map
5	MI	11-05-1544S	Elevation		2010	\$117,012	topo



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
5	MI	12-05-0261S	Elevation		2011	\$10,800	[topo]
5	MI	12-05-2853S	Elevation		2011	\$29,600	[topo]
5	MI	12-05-5308S	Elevation		2011	\$1,000	[topo]
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	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	\$106,400	
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	WI	11-05-1948S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$4,336	Request 115781 - Base Map
5	WI	12-05-2282S	Elevation	Wisconsin Department of Commerce	2010	\$796,600	[topo] Per request#115864 11/07/2012
5	WI	12-05-2282S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$253,600	[base_map] Per request#115864 11/07/2012
5	WI	12-05-2282S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$323,032	[base_map] Per request#115864 11/07/2012
5	WI	12-05-1603S	Elevation	Wisconsin Department of Commerce	2010	\$163,200	Request 115863 - Topo
5	WI	12-05-1603S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$245,900	Request 115863 - Total sq. miles of Base Map
5	WI	12-05-1603S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$191,868	Request 115863 - Total panels of Base Map
5	WI	11-05-8882S	Elevation	Wisconsin Department of Commerce	2010	\$186,000	Request 115781 - Topo
5	WI	11-05-8882S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$93,000	Request 115781 - Base Map
5	WI	11-05-8882S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$125,744	Request 115781 - Base Map
5	WI	11-05-8881S	Elevation	Wisconsin Department of Commerce	2010	\$22,800	Request 115781 - Topo
5	WI	11-05-8881S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$64,500	Request 115781 - Base Map



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
5	WI	10-05-6389S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$78,048	Request 115781 - Base Map
5	WI	10-05-0307S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$152,844	Request 115781 - Base Map
5	WI	10-05-0307S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$80,400	Request 115781 - Topo
5	WI	10-05-0307S	Elevation	Wisconsin Department of Commerce	2010	\$160,800	Request 115781 - Topo
5	WI	11-05-8881S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$18,428	Request 115781 - Base Map
5	WI	10-05-6387S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$123,600	Request 115781 - Base Map
5	WI	11-05-1948S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$104,100	Request 115781 - Base Map
5	WI	10-05-6389S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$46,400	Request 115781 - Base Map
5	WI	10-05-6391S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$125,744	Request 115781 - Base Map
5	WI	10-05-6391S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$85,300	Request 115781 - Base Map
5	WI	10-05-6392S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$82,384	Reqeust 115781 - Base Map
5	WI	10-05-6392S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$63,700	Reqeust 115781 - Base Map
5	WI	10-05-6387S	Base Map	Wisconsin Regional Orthophoto Consortium (WROC)	2010	\$155,012	Request 115781 - Base Map
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	OK	12-06-0866S	Base Map		2011	\$4,700	1 foot aerial imagery provided by the City of Ponca City, Kay County, Oklahoma.
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.



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
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.
7	IA	10-07-0465S	Elevation		2009	\$7,440	
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
7	IA	10-07-0462S	Base Map	Iowa Department of Natural Resources	2009	\$49,055	Per Ticket 100796
7	IA	10-07-0460S	Elevation		2009	\$93,948	Per Ticket 100340
7	IA	10-07-0463S	Base Map	Iowa Department of Natural Resources	2009	\$57,077	Per Ticket 100796
7	IA	10-07-0467S	Elevation		2009	\$116,436	Per Ticket 100340
7	IA	10-07-0453S	Elevation	Iowa Department of Natural Resources	2009	\$116,392	LiDAR provided by the IDNR
7	IA	10-07-0453S	Base Map	Iowa Department of Natural Resources	2009	\$58,196	Aerial imagery provided by the IDNR
7	IA	10-07-0465S	Base Map		2009	\$100,200	



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
7	IA	10-07-0465S	Elevation		2010	\$113,200	Per Request 1112843
7	IA	10-07-0466S	Base Map		2010	\$46,700	Per Request 112843
7	IA	10-07-0466S	Base Map	Worth County, Iowa	2010	\$40,190	Worth County Orthophoto
7	IA	10-07-0465S	Base Map		2010	\$56,600	Per Request 1112843
7	IA	10-07-0459S	Base Map		2010	\$49,900	Per Ticket 112843
7	IA	10-07-0466S	Elevation	Iowa Department of Natural Resources	2010	\$80,380	2 foot contours, Countywide DEM, and LiDAR points
7	IA	10-07-0466S	Elevation		2010	\$93,400	Per Request 112843
7	IA	10-07-0467S	Elevation		2010	\$100,200	Per Ticket 112843
7	IA	10-07-0483S	Base Map		2010	\$67,700	Per Ticket 100861,112843
7	IA	10-07-0483S	Elevation		2010	\$135,400	Per Ticket 100861,112843
7	IA	10-07-0484S	Base Map		2010	\$57,300	Per Ticket 112843
7	IA	10-07-0484S	Elevation		2010	\$114,600	Per Ticket 112843
7	IA	10-07-0485S	Base Map		2010	\$57,600	Per Ticket 100861, 112843
7	IA	10-07-0485S	Elevation		2010	\$115,200	Per Ticket 100861, 112843
7	IA	10-07-0467S	Base Map		2010	\$50,100	Per Ticket 112843
7	IA	10-07-0457S	Elevation	Iowa LiDAR Consortium	2010	\$114,000	Per Ticket 100759 DOWNLOADED IN JANUARY 2010 FROM IOWA FARM SERVICES ADMINISTRATION
7	IA	10-07-0454S	Base Map		2010	\$59,700	Per Ticket 112843
7	IA	10-07-0454S	Base Map	USDA Farm Service Agency (FSA)	2010	\$50,400	Per Ticket 100759 Base map data for the entire county received in January 2010
7	IA	10-07-0454S	Elevation	Iowa LiDAR Consortium	2010	\$100,800	Per Ticket 100759 DOWNLOADED IN JANUARY 2010 FROM IOWA FARM SERVICES ADMINISTRATION
7	IA	10-07-0454S	Elevation		2010	\$119,400	Per Ticket 112843



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
7	IA	10-07-0457S	Base Map	Hardin County	2010	\$57,000	Per Ticket 100759 Base map data for the entire county received from the County in March 2010
7	IA	10-07-0463S	Elevation		2010	\$115,200	Per Ticket 112843
7	IA	10-07-0457S	Elevation	Hardin County	2010	\$114,000	Per Ticket 100759 Base map data for the entire county received from the County in March 2010
7	IA	10-07-0457S	Elevation		2010	\$81,400	Per Ticket 112843
7	IA	10-07-0460S	Base Map		2010	\$56,500	Per Ticket 112843
7	IA	10-07-0459S	Elevation		2010	\$99,800	Per Ticket 112843
7	IA	10-07-0460S	Elevation		2010	\$113,000	Per Ticket 112843
7	IA	10-07-0462S	Base Map		2010	\$58,700	Per Ticket 112843
7	IA	10-07-0462S	Elevation		2010	\$117,400	Per Ticket 112843
7	IA	10-07-0463S	Base Map		2010	\$57,600	Per Ticket 112843
7	IA	10-07-0457S	Base Map		2010	\$40,700	Per Ticket 112843
7	KS	10-07-0569S	Elevation	U.S. Army Corps of Engineers, Tulsa District	2007	\$600	
7	KS	10-07-0015S	Elevation	Kansas Division of Water Resources	2009	\$287,000	LiDAR provided for more accuracy.
7	NE	10-07-2113S	Base Map	Nebraska Department of Natural Resources	2010	\$4,250	
8	CO	11-08-0572S	Base Map		2011	\$5,100	Base map task is complete.
8	CO	11-08-0023S	Base Map		2011	\$2,500	The base map task is underway.
8	ND	09-08-0856S	Elevation	North Dakota State Water Commission	2009	\$36,000	
8	ND	10-08-0041S	Base Map		2009	\$101,000	Per request#113810 09/17/2012
8	ND	10-08-0041S	Base Map		2009	\$176,500	
8	ND	10-08-0041S	Elevation		2009	\$186,000	Not a contracted task, but have uploaded metadata for this task in order to get to the QC task.



Reg.	State	Case Number	Data Type	Leverage Contributing Partner	Leverage Funded	Leverage Dollar Value	Leverage Task Comments
9	AZ	09-09-3051S	Base Map	City of Maricopa, AZ	2009	\$4,300	City of Maricopa provided aerials for base map task.
9	AZ	09-09-3051S	Elevation	City of Maricopa, AZ	2009	\$8,600	City of Maricopa provided 2-ft contours within city limits.
9	AZ	11-09-1495S	Base Map	City of Prescott, AZ	2010	\$7,588	
9	AZ	11-09-1495S	Elevation	City of Prescott, AZ	2010	\$36,828	
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	10-09-0037S	Elevation	City of Santa Rosa, CA	2009	\$5,800	The data meets FEMA's G&S.
9	CA	10-09-0039S	Base Map	Natural Resources Conservation Service	2009	\$10,840	Downloaded for the whole county
9	CA	12-09-1258S	Base Map	Natural Resources Conservation Service	2010	\$8,672	National Agriculture Imagery Program (NAIP) data downloaded from NRCS site.
9	CA	09-09-0302S	Base Map	City of Santa Rosa, CA	2010	\$3,290	
9	NV	11-09-1664S	Elevation	Carson Water Subconservancy District	2009	\$3,342	LiDAR data
10	AK	11-10-0125S	Elevation		2009	\$13,092	Per Ticket 106322
10	ID	11-10-0432S	Elevation		2009	\$1,564	Per Ticket 106322
10	ID	11-10-0432S	Base Map		2009	\$632	Per Ticket 106322



Elevation Data Sets Produced in Risk MAP, 2009-2012

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
1	CT		Quinnipiac HUC8	2011		CT	Complete	NAVD88		LIDAR	No	1m (1pt/m2)	16.6cm	FEMA
1	MA		Concord HUC8	2010		MA	Complete	NAVD88	DEM+Contours	LIDAR	No	1m (1pt/m2)	9.7cm	FEMA
1	MA	10-01-0661S	Nantucket , MA - DFIRM	2010		Massachusetts+Nan	Complete	NAVD88	TIN	LIDAR	No	1.2 Meters	0.183 meter	FEMA
1	MA	10-01-0660S	Dukes , MA - LiDAR	2010		Massachusetts+Duk	Complete	NAVD88	TIN	LIDAR	No	1.2 meters	0.183 meter	FEMA
1	MA,NH		Nashua HUC8	2010		MA,NH	Complete	NAVD88		LIDAR	No	2m (.25pt/m	9.6cm	FEMA
1	MA,NH		Elevation Data Acquisition Merrimack HUC8	2011		MA,NH	In Progress	NAVD88	DEM+Break Lines+Contours	LIDAR	No	1m (1pt/m2)	11.4cm	FEMA
1	MA,RI		Blackstone	2010		MA,RI	Complete	NAVD88		LIDAR	No	1m (1pt/m2)	15.1cm	FEMA
1	MA,RI		Charles HUC8	2010		MA,RI	Complete	NAVD88		LIDAR	No	1m (1pt/m2)	9.4cm	FEMA
1	MA,RI		Narragansett HUC8	2010		MA,RI	Complete	NAVD88		LIDAR	No	1m (1pt/m2)	8.5cm	FEMA
1	ME	10-01-0670S	Androscoggin , ME - DFIRM	2010		Maine	Complete	NAVD88	Mass Points/Break Lines+Contours+DEM+TIN	LIDAR	To be determined	1 meter	0 meters	FEMA
1	NH	10-01-0438S	Carroll, NH - DFIRM	2010		New Hampshire	Complete	NAVD88	Regular Grid	LIDAR	Yes, contact t	To be Deter	null	FEMA
1	NH	10-01-0672S	Coos , NH - DFIRM	2010		Unknown	Complete	NAVD88	Mass Points/Break Lines+Contours+DEM+TIN	LIDAR	To be determined	1 meter	0.36 meters	FEMA
1	RI	10-01-0656S	Providence , RI - LiDAR	2010		Unknown	Complete	NAVD88	TIN	LIDAR	No	1 meter	0.18 meters	FEMA
1	RI	10-01-0657S	Kent , RI - LiDAR	2010		Rhode Island+Kent	Complete	NAVD88	TIN	LIDAR	No	1.2 meters	0.183 meter	FEMA
1	RI	10-01-0658S	Newport , RI - DFIRM	2010		Unknown	Complete	NAVD88	TIN	LIDAR	No	1 meter	0.18 meters	FEMA
1	VT	10-01-0671S	Bennington , VT - DFIRM			Unknown	Complete	NAVD88	Mass Points/Break Lines+Contours+DEM+TIN	LIDAR	To be determined	1 meter	0 meters	FEMA
2	MA		Deerfield	2012		MA	in work	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
2	NJ	11-02-0615S	NJ LiDAR - FY09	2011	\$650,016	Unknown	Complete	NAVD88	Mass Points/Break Lines	LIDAR	No	1 meter	0.185 meter	FEMA
2	NJ		FY11 Burlington / Camden County-wide	2011		NJ	Complete	NAVD88	DEM+Break Lines	LIDAR	No	1m (1pt/m2)	37.1cm	FEMA
2	NY		Seneca			NY	delayed til	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
2	NY	11-02-1479S	Rensselaer County, NY - CW- FY09	2011		New York+Renssela	Proposed	NAVD88	Mass Points/Break Lines	LIDAR	To be determ	1 meter	0.185 meter	NYS DEC



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		FY11 Chemung Watershed LiDAR	2011		NY	Complete	NAVD88	DEM+Break Lines	LIDAR	No	1m (1pt/m2)	18.5cm	FEMA
2	NY		FY11 FEMA NCMP LiDAR Lake Ontario	2012		NY	In Progres	NAVD88	DEM	LIDAR	No	.50m (4pts/	15cm	FEMA
2	NY		FY11 FEMA NCMP LiDAR Lake Erie	2012		NY	In Progres	NAVD88	DEM	LIDAR	No	.50m (4pts/	15cm	FEMA
2	NY		Hudson Hoosic	2012		NY	in work	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
3	MD		Golden Beach	2012		MD	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	MD		Washington Co	2012		MD	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	MD		Worcester	2012		MD	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	MD		Allegany Co	2012		MD	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	MD		Dorchester - 1	2012		MD	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	MD		Dorchester - 2	2012		MD	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	MD		Frederick Co MD	2012		MD	in work	NAVD88		LIDAR	No	1m	12.5cm	FEMA
3	VA		King George	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Prince William	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Frederick Co VA	2012		VA	in work	NAVD88		LIDAR	No	1m	12.5cm	FEMA
3	VA		Prince George	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Portsmouth	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Richmond	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		New Kent	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Manassas Park	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Manassas	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Hampton	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		King William	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Fairfax Co	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	VA		Fredericksburg	2012		VA	in work	NAVD88		LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Clarke Co	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA



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
3	VA		Charles City	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Franklin City	2012		VA	in work	NAVD88		LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Fauquier Co	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	VA		Essex	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Fairfax City	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	VA		Loudon Co	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	VA		Winchester	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	VA		Stafford	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		Southampton	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	VA		West Moreland	2012		VA	in work	NAVD88	DEM+Break Lines	LIDAR	No	0.5m	9.25cm	FEMA
3	WV		WV QC	2011		WV	complete	NAVD88		LIDAR	No	2m	37.1cm	FEMA
3	WV		Berkley Co	2012		WV	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	WV		Jefferson CO	2012		WV	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
3	WV		Morgan Co	2012		WV	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
4	AL		DallasAL			AL	complete	NAVD88		LIDAR	To be Determ	Unknown	Unknown	FEMA
4	AL		Calhoun	2011		AL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	AL		Dale	2011		AL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	AL		Coffee	2011		AL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	AL		Colbert	2011		AL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	AL		Talladega	2011		AL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	AL		Lauderdale	2011		AL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	AL		Madison	2011		AL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	AL		Geneva	2011		AL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	AL		St. Clair	2011		AL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	FL		Suwannee, Lafayette, Gilcrest, Levy	2011		FL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA



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
4	FL		Lower St. Johns	2011		FL	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	GA		CoastalGAElevationProject	2010		GA	complete	NAVD88	Break Lines	LIDAR	No	Unknown	0.31ft	FEMA
4	GA		Columbia	2011		GA	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	GA		Burke	2011		GA	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	GA		Heard	2011		GA	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	GA		Lincoln	2011		GA	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	GA		Harris	2011		GA	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY	10-04-7844S	Mason Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY	10-04-7843S	Magoffin Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY	10-04-7842S	Lewis Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY	10-04-7839S	Hancock Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY	10-04-7838S	Greenup Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY	10-04-7845S	Pendleton Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY	10-04-7846S	Pike Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY	10-04-7833S	Bracken Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY	10-04-7831S	Boyd Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY		Hancock	2010		KY	complete	NAVD88	Break Lines+Contours	LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY		Boyd	2010		KY	complete	NAVD88	Break Lines+Contours	LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY		Bracken	2010		KY	complete	NAVD88	Break Lines+Contours	LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY		Fayette	2010		KY	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY	10-04-7836S	Fayette Co KY (FY2009)	2011		Unknown	Complete	NAVD88	DEM+TIN	LIDAR	Yes, contact the lead	1 meter	0.18 meters	Kentucky Division of Water (KDOW)
4	KY		Greenup	2010		KY	complete	NAVD88	Break Lines+Contours	LIDAR	To be Determ	1m	18.5cm	FEMA



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
4	KY		Lewis	2010		KY	complete	NAVD88	Break Lines+Contours	LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY		Magoffin	2010		KY	complete	NAVD88	Break Lines+Contours	LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY		Mason	2010		KY	complete	NAVD88	Break Lines+Contours	LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY		Pike	2010		KY	complete	NAVD88	Break Lines+Contours	LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY		Pendleton	2010		KY	complete	NAVD88	Break Lines+Contours	LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY		Boone, Carroll, Gallatin	2011		KY	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	KY		Pike, Floyd, Johnson, Lawrence, Morgan, Letcher	2011		KY	complete	NAVD88		LIDAR	To be Determined	1m	18.5cm	FEMA
4	MS		Monroe, Itawamba, Prentiss, Tishomingo	2011		MS	complete	NAVD88		LIDAR	To be Determined	1m	18.5cm	FEMA
4	MS		08060202 Lower Big Black	2012		MS	Unknown	NAVD88		LIDAR	To be Determ	Unknown	Unknown	FEMA
4	NC		03050101 Upper Catawba	2012		NC	Unknown	NAVD88		LIDAR	To be Determ	Unknown	Unknown	FEMA
4	NC		03050105 Upper Broad	2012		NC	Unknown	NAVD88		LIDAR	To be Determ	Unknown	Unknown	FEMA
4	SC		LexingtonCountySC			SC	In-Progres	NAVD88		LIDAR	To be Determ	Unknown	Unknown	FEMA
4	SC	10-04-4870S	Lexington CO SC (FY2009)											
4	SC		Anderson, Oconee, Pickens	2011		SC	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	SC		York	2011		SC	complete	NAVD88		LIDAR	To be Determ	1m	18.5cm	FEMA
4	SC		03050106 Lower Broad	2012		SC	Unknown	NAVD88		LIDAR	To be Determ	Unknown	Unknown	FEMA
4	SC		03050103 Lower Catawba	2012		SC	Unknown	NAVD88		LIDAR	To be Determ	Unknown	Unknown	FEMA
4	TN	10-04-3113S	Davidson CO, TN (FY2009)		\$210,400	Tennessee+Davidso	Complete	NAVD88	Contours+DEM	LIDAR	Yes, contact t	To be Deter	0.1 meters	FEMA
4	TN		Stones River	2011		TN	complete	NAVD88		LIDAR	To be Determ	2m	37.1cm	FEMA
5	IL		Wabash	2010		IL	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
5	IL		Piatt	2010		IL	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
5	IL		Saline	2011		IL	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
5	IL		Upper Sangamon River, IL	2011		IL	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
5	MI		Traverse	2011		MI	Other	NAVD88		LIDAR	No	2m	37.1cm	FEMA



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5	MI		Ironwood-1	2011		MI	Complete	NAVD88		LIDAR	No	2m	37.1cm	FEMA
5	WI		Rock	2010		WI	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
5	WI		Ozaukee	2010		WI	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
5	WI		Ironwood2	2011		WI	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
6	AR	10-06-1127S	Pulaski Co, AR (FY09 Levee)	2010										
6	AR		FY09 Grant - Pulaski Counties (AOI2)	2010		AR	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
6	AR		FY10 Mississippi - Poinsett	2010		AR	Complete	NAVD88	Break Lines	LIDAR	No	1m	18.5cm	FEMA
6	AR		FY09 Pulaski County (AOI1)	2010		AR	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
6	AR	10-06-0131S	Grant Co, AR (FY09)	2010		Arkansas+Grant	Complete	NAVD88	Mass Points/Variable Spacing	LIDAR	No	1 meter	0.12 meters	FEMA
6	AR		FY10 North East Arkansas	2011		AR	Complete	NAVD88	Break Lines	LIDAR	No	1m	18.5cm	FEMA
6	AR		FY11 Dardanelle Reservoir	2011		AR	Complete	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
6	AR		FY10 Pulaski County	2011		AR	Complete	NAVD88	Break Lines	LIDAR	No	1m	18.5cm	FEMA
6	AR		FY11 McKinney Posten Bayou	2011		AR	Complete	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
6	AR		FY11 Upper While Village	2012		AR	Planned	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
6	AR		FY11 Upper Black Watershed	2012		AR	In Progres	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
6	AR		FY11 South East Arkansas	2012		AR	In Progres	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
6	AR		FY11 Lower St. Francis	2012		AR	In Progres	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
6	AR		FY11 Bayou Meto	2012		AR	In Progres	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
6	NM	10-06-0143S	Socorro Co, NM (FY09)	2010										
6	NM		FY09 City of Socorro	2010		NM	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
6	OK		FY11 Lower North Canadian - Pottawatomie County	2011		OK	Complete	NAVD88	DEM+Break Lines	LIDAR	No	2m	7.3cm	FEMA
6	OK		FY11 Lower North Canadian - McIntosh County	2011		OK	Complete	NAVD88	DEM+Break Lines	LIDAR	No	2m	8.7cm	FEMA
6	OK		FY10 Ottawa and Delaware	2011		OK	Complete	NAVD88		LIDAR	No	1m	18.5cm	FEMA
6	TX		FY10 Liberty County	2011		TX	Complete	NAVD88	Break Lines	LIDAR	No	1m	18.5cm	FEMA



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6	TX		FY10 Central Texas (Comal and Guadalupe)	2011		TX	Complete	NAVD88	Break Lines	LIDAR	No	1m	18.5cm	FEMA
6	TX		FY10 Parker County	2011		TX	Complete	NAVD88	Break Lines	LIDAR	No	1m	18.5cm	FEMA
7	KS		Kansas Lidar - 2010	2010		KS	Complete	NAVD88	DEM	LIDAR	No	0.6m	0.185m	FEMA
7	KS	10-07-0009S	LEAVENWORTH COUNTY. RISK MAP 09	2010										
7	KS	10-07-0005S	ATCHISON CO KS RISK MAP 09	2010										
7	KS	10-07-0012S	MIAMI COUNTY, KS. RISK MAP 09	2010										
7	KS	10-07-0016S	RENO COUNTY, KS. RISK MAP 09	2010										
7	KS		Kansas Lidar - 2011	2011		KS	Complete	NAVD88	DEM	LIDAR	No	0.6m	0.125m	FEMA
7	KS		Kansas Lidar - 2012	2012		KS	In Progres	NAVD88	DEM+Break Lines	LIDAR	No	0.6m	0.125m	FEMA
7	MO		Missouri Lidar - in progress			MO	0	NAVD88		LIDAR	To be Determ	2 FEET	0	FEMA
7	MO		Missouri Lidar - 2010	2010		MO	0	NAVD88		LIDAR	To be Determ	2 FEET	0	FEMA
7	MO	09-07-2051S	JASPER COUNTY, MO. RISK MAP 09	2010		Missouri+Jasper	Complete	NAVD88	To be Determined	To be Deter	Yes, contact t	To be Deter	null	FEMA
7	MO	09-07-2044S	CALLAWAY COUNTY, MO. RISK MAP 09	2010										
7	MO	09-07-2054S	OSAGE COUNTY, MO. RISK MAP 09	2010										
7	MO	09-07-2050S	COLE COUNTY, MO. RISK MAP 09	2010										
7	MO		Missouri Lidar - 2011 2ft FEMA	2011		MO	0	NAVD88		LIDAR	To be Determ	2 FEET	0	FEMA
7	MO		Missouri Lidar - 2011 2ft SEMA	2011		MO	0	NAVD88		LIDAR	To be Determ	2 FEET	0	FEMA
7	MO		Missouri Lidar - 2011 4ft SEMA	2011		MO	0	NAVD88		LIDAR	To be Determ	4 FEET	0	FEMA
8	CO		Arkansas Valley	2010		CO	complete	NAVD88	DEM+Break	LIDAR	No	1m	15cm	FEMA
8	CO	09-08-0493S	Prowers County, CO	2010										
8	CO		San Luis Valley	2011		CO	complete	NAVD88	DEM+Break	LIDAR	No	1m	12.5cm	FEMA
8	CO		12-08-0607S (Clear Creek & St. Vrain, CO)	2011		CO	In Progress	NAVD88	DEM+Break Lines	LIDAR	To be Determined	1m	12.5 cm	FEMA
8	MT	09-08-0967S	Sanders County, MT	2010										



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8	MT		12-08-0099S (Granite, MT)	2012		MT	In Progres	NAVD88	DEM+Break Lines	LIDAR	To be Determ	1m/2m	12.5/24 cm	FEMA
8	ND		Cherry Creek - Watford City, Mckenzie County			ND	complete	NAVD88	Contours	LIDAR	To be Determined	unknown	unknown	FEMA
8	SD	10-08-0040S	Sanborn County, SD (Woonsocket PMR) 09	2010		South Dakota+Sanborn	Complete	NAVD88	Regular Grid+Mass Points/Variable Spacing+Contours+DEM	LIDAR	No	1 meter	0.182 meters	FEMA
8	SD		REG-Lewis and Clark; Big Sioux Watershed (Union County). W-FY12 HUC 10170101; 10170203	2011		SD	In Progress	NAVD88	DEM+Break Lines	LIDAR	To be Determined	1m	12.5 cm	FEMA
8	UT	09-08-1009S	Weber County, UT PMR FY09	2010										
8	UT		12-08-0134S (Summit & Morgan, UT)	2010		UT	In progres	NAVD88	DEM+Break Lines	LIDAR	To be Determ	1m/2m	12.5/24 cm	FEMA
9	AZ	09-09-3053S	Richland Area PMR (Cochise, AZ)	2011		Unknown	Complete	NAVD88	Contours	Photogram	No	n/a	0.6 meters	Cochise County
9	AZ	09-09-3053S	Richland Area PMR (Cochise, AZ)	2011		Arizona+Cochise	Complete	NAVD88	DEM	LIDAR	No	2m	3.6 meters	FEMA
9	AZ		Benson/St. David Cochise County Arizona	2012		AZ	in progress	NAVD88	Contours	LIDAR	No	2m	37.1cm	FEMA
9	CA		Placer County East			CA	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
9	CA	11-09-2895S	North Yuba & Downie River PMR (Sierra, CA)	2011										
9	CA	11-09-2894S	Sierra Valley PMR (Plumas, CA)	2011										
9	CA	11-09-0675S	Central San Francisco Bay Study (Coastal)	2011		Unknown	Complete	NAVD88	TIN	LIDAR	Yes, contact the lead	1 meter	0.185 meters	FEMA
9	CA		CA DWR Processing	2011		CA	complete	NAVD88	Contours	LIDAR	No	1m	18.5cm	FEMA
9	CA		Calaveras-Tuolumne	2011		CA	in work	NAVD88	DEM+Break Lines	LIDAR	No	2m	12.5cm	FEMA
9	CA		San Bernardino (Wrightwood)	2011		CA	complete	NAVD88	Contours	LIDAR	No	2m	37.1cm	FEMA
9	CA		San Bernardino (Twenty Nine Palms)	2011		CA	complete	NAVD88	Contours	LIDAR	No	2m	37.1cm	FEMA
9	CA		Riverside	2011		CA	complete	NAVD88	Contours	LIDAR	No	2m	37.1cm	FEMA
9	CA		San Bernardino (Helendale)	2011		CA	complete	NAVD88	Contours	LIDAR	No	2m	37.1cm	FEMA
9	CA		Modoc	2011		CA	complete	NAVD88	Contours	LIDAR	No	1m	18.5cm	FEMA
9	CA		Kern	2011		CA	complete	NAVD88	Contours	LIDAR	No	2m	37.1cm	FEMA



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9	CA		San Bernardino (San Bernardino)	2011		CA	complete	NAVD88	Contours	LIDAR	No	2m	37.1cm	FEMA
9	CA		Placer County West	2012		CA	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
9	CA		Orange County	2012		CA	in work	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
9	CA		Cochise	2012		CA	complete	NAVD88	DEM+Break Lines	LIDAR	No	1m	12.5cm	FEMA
9	NV	09-09-3064S	Walker River PMR (Lyon County, NV)	2011										
10	AK	11-10-0344S	REG-Anchorage PMR-FY09 (EO)	2011		Alaska+Anchorage	Complete	NAVD88	To be Determined	LIDAR	To be determ	To be Deter	null	FEMA
10	AK		Anchorage	2011		AK	complete		DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	AK		Cordova	2011		AK	complete		DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	AK		Valdez	2012		AK	planned		Contours	LIDAR	No	1m	18.5cm	FEMA
10	ID		Payette River - Gem, Valley, Payette	2011		ID	complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	ID		Henry Forks/Teton River and Creek	2011		ID	complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	ID		Snake River	2012		ID	in progres	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	ID		Priest Lake	2012		ID	planned	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR	11-10-0352S	Lane - Willamette											
10	OR		Burns	2011		OR	complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Eagle Point	2011		OR	complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - EPA-Drift_BigElk	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Rouge River - FEMA	2012		OR	In Progres	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - Benton co	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - USGS	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - BLM	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - DOGAMI	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - EPA-Siletz	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Rouge River - BLM_RB	2012		OR	In Progres	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - Linclon	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA



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10	OR		Rouge River - BLM_GP	2012		OR	In Progres	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - EPA-NF_Siuslaw	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - Polk	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - EPA-Trask	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Coast Range - FEMA	2012		OR	Complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	OR		Rouge River - DOGAMI	2012		OR	In Progres	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	WA		Grays Harbor and Pacific County Coastline	2010		WA	complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	WA		Kittitas	2011		WA	complete	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	WA		Lower Chehalis River	2012		WA	in progres	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA
10	WA		Jefferson and Clallam Coastlines	2012		WA	in progres	NAVD88	DEM+Contours	LIDAR	No	1m	18.5cm	FEMA



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