

Goal Performance Table

Goal Performance Table

Target Codes: SP = Strategic Plan measures PART = PART measures
 TBD = Targets have not yet been developed UNK = Prior year data unavailable
 BUR = Bureau specific measures NA = Long-term target are inappropriate to determine at this time

Type Codes: C = Cumulative Measures A = Annual Measures F = Future Measures

End Outcome Goal: 1.4: Resource Protection: Improve the understanding of national ecosystems and resources through integrated interdisciplinary assessment

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
GPRA End Outcome Measures										
% of targeted science products that are used by partners for land or resource management decision making (SP)	A	UNK	UNK	UNK	UNK	UNK	≥90%	≥90%	0	≥90%
Intermediate Outcome Measures and Bureau and PART Outcome Measures										
Ensure availability of long-term environmental and natural resource information, data and systematic analyses needed by land and resource managers for informed decision making										
% of North American migratory birds for which scientific information on their status and trends are available (SP) (PART) (BRM)	A	UNK	26%	26%	26%	26% (169/650)	26% (169/650)	27.1% (176/650)	+1.1%	27.1% (176/650)
% of targeted fish and aquatic populations for which information is available regarding limiting factors (SP) (PART) (BRM)	A	UNK	31%	31%	31%	37% (44/119)	37% (44/119)	41% (49/119)	+4%	51% (61/119)
% of targeted invasive species for which scientific information and decision support models are available to improve early detection (including risk assessments) and invasive species management (SP) (PART) (BRM)	A	UNK	51.6%	51.6%	51.6%	52.5% (3.15/6)	52.5% (3.15/6)	53.3% (3.2/6)	+0.8%	54% (3.25/6)

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X% improvement in detectability limits for selected, high priority environmentally available chemical analytes (PART) (BRM)	A	UNK	UNK	6%	6%	12%	12%	20%	+8%	48%
Increase long-term trend precision (decrease bias) for existing species monitored through the Breeding Bird Survey to enable a detection of 50% population decline of relevant species within 20 years (PART) (BRM)	A	UNK	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0	0.0008
X% of CRU students that work on subsequent fish and wildlife science advance degrees or obtain employment in the fish and wildlife or other natural resources field, within targeted dates post-graduation (CRU) (BUR)	A	UNK	UNK	Baseline	95%	TBD	95%	95%	0	95%
X% of focal migratory bird populations for which scientific information is available to support resource management decisionmaking (USGS in coordination with FWS) (PART) (BRM)	A	UNK	UNK	Baseline	56.88	57.02	57.02	57.16	+ .14	TBD
X% of US land with land characterization and species distribution information available for resource management decision-making updated in the last 5 years (BIMD PART)	C	18.3%	23.3%	28.3%	42.3%	34%	34%	39%	+5%	18%

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X% of North American migratory birds for which scientific information on their status (species distribution and number) and trends are available in a standardized and exchangeable format, to improve conservation plans of federal and state agencies (BIMD PART)	C	15%	20%	25%	25%	30%	30%	35%	+5%	55%
X% of North American amphibians and reptiles for which scientific information on their status (species distribution) are available in a standardized and exchangeable format, to improve conservation plans of federal and state agencies (BIMD PART)	C	88%	90%	91%	91%	92%	92%	93%	+1%	97%%
X% of North American mammals for which scientific information on their status (species distribution) are available in a standardized and exchangeable format, to improve conservation plans of federal and state agencies (BIMD PART)	C	91%	93%	94%	94%	94%	94%	95%	+1%	99%
X% of US federally-listed threatened and endangered or indicator fish species for which scientific information on A species status is available in a standardized and exchangeable format to improve conservation plans of federal and state agencies (BIMD PART)	C	2.6%	7.5%	12.5%	12.4%	17.5%	17.5%	20%	+2.5%	28.5%

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X% of river basins that have streamflow stations (SP) (WRD PART)	C	77%	82% (1825/ 2223)	81% 1800/ 2223)	81% 1800/ 2223)	84% (1870/ 2223)	84% (1870/ 2223)	84% (1870/ 2223)	0	72% (1606/ 2223)
X% of the Nation's 65 principal aquifers with monitoring wells used to measure responses of water levels to drought and climatic variations to provide information needed for water-supply decisionmaking (SP) (WRD PART)	C	60% (39/65)	61% (40/65)	62%	61% (40/65)	60% (39/65)	60% (39/65)	58% (38/65)	-2% (-1)	66% (43/65)
X% of targeted contaminants for which methods are developed to assess potential environmental and human health significance (SP) (WRD PART)	C	10%	20%	30%	85%	33%	33% (55/168)	33% (74/223)	0	73% (72/99)
X% of streamflow stations with real-time measurement/reporting of water quality (WRD PART)	C	6% (450/ 7451)	7% (520/ 7451)	8%	9%	6% (450/ 7451)	8% (600/ 7451)	5% (400/ 7451)	-3% (-200)	9% (698/ 7451)
X% of ground-water stations that have real-time reporting capability in the ground water climate response network (WRD PART)	C	57%	67% (233/ 347)	67%	47%	63% (220/ 347)	63% (220/ 347)	60% (209/ 347)	-3% (-11)	70% (244/ 347)
X% of U.S. with ground water quality status and trends information to support resource management decisions (WRD PART)	C	0	39%	45%	58%	51%	51%	54%	+3%	54%
X% of States with web based Streamflow statistics tools to support water management decisions (WRD PART)	C	4%	10% (5/50)	18%	14%	20% (10/50)	20% (10/50)	25% (12.5/50)	+5%	30% (15/50)
X% of U.S. with ground water availability status and trends information to support resource management decisions (WRD PART)	C	5% (3.5/65)	7% (4.5/65)	8% (5.5/65)	8% (5.5/65)	7% (4.5/65)	9% (6/65)	6% (4/65)	-3% (-2)	9% (6/65)

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X% improvement in accuracy of watershed (SPARROW) model prediction for total nitrogen and total phosphorus (measured as reduced error) (WRD PART)	C	40%	31%	32%	24%	32%	32%	32%	0	32%
% of proposed streamflow sites currently in operation that meet one or more federal needs (WRD PART)	C	64%	61%	62%	61%	62%	64%	64%	0	64%
			(2700/ 4425)	(2754/ 4425)	(2700/ 4425)	(2742/ 4425)	(2845/ 4425)	(2845/ 4425)		(2845/ 4425)
% of surface area of the coterminous U.S. for which high-resolution geospatial datasets are cataloged, managed, and available through <i>The National Map</i> (SP) (NGP)	F	UNK	UNK	UNK	UNK	UNK	83% (581/700)	84% (587/700)	+1%	90% (630/700)
% of the area of 11 Western States for which orthoimagery have been acquired through a FSA/USGS partnership with other entities to achieve a 5-year cycle for 1-meter NAIP imagery (BUR) (NGP)	A	UNK	43%	36%	23%	62%	62%	62%	0	62%
% of total cost FSA and USGS saved through partnering with other entities for imagery acquisition of 1-meter NAIP orthoimagery (BUR) (NGP)	A	UNK	44%	40%	41%	36%	36%	0	-36%	0
% of data acquisition costs for <i>The National Map</i> funded by partners (RePART Eff. Measure) (NGP)	F	45%	47%	20%	74%	60%	60%	60%	0	75%

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% of customers that identify or indicate (via a survey) that USGS NGP Outreach materials and activities (information and publications, conferences, training and workshops) met their needs/requirements (BUR) (NGP)	F	UNK	UNK	UNK	UNK	UNK	UNK	Baseline	N/A	TBD
% of time that USGS managed geospatial data and information dissemination systems (i.e., Geospatial One-Stop Portal, <i>The National Map</i> , NSDI Clearinghouses) are accessible online to customers (BUR) (NGP)	F	UNK	UNK	UNK	UNK	UNK	UNK	Baseline	N/A	TBD
% of GIO partners reporting satisfaction with partnership agreements (BUR) (EIR & NGP)	F	UNK	UNK	UNK	UNK	UNK	UNK	Baseline	N/A	TBD
% of total cost of geospatial data and geospatial services saved through Geospatial Line of Business Joint Business Case (BUR) (NGP)	F	UNK	UNK	UNK	UNK	UNK	UNK	Baseline	N/A	TBD
% of US surface area with contemporary land cover data needed for major environmental monitoring and assessment programs (SP) (Geography) (PART)		45%	65%	75%	75%	95% (286/3)	95% (286/3)	100% (300/3)	+5% (+14)	60% (180/3)

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% of surface area with temporal and spatial monitoring, research, and assessment/data coverage to meet land use planning and monitoring requirements (Geography) (PART) (Number of completed eco-region assessments out of a total of 84 eco-regions)		31%	37%	48%	48%	53%	60% (50/84)	69% (58/84)	+9% (+8)	Plan completion FY2010
<i>Content and expanse of knowledge base:</i> X% of data accessible: X% of satellite data available from archive within 24 hours of capture (PART Geography)	A	90%	97.2%	90%	98.7%	95%	95%	95%	0	95%
X% of US with regional geologic map coverage that is available to customers through the NGMDB (PART)	C	50.25%	53%	55%	55%	57.5%	57.5%	60.0%	+2.5%	TBD
X% of geologic investigations in National Park Service (NPS) units that are cited for use by the NPS within three years of delivery (NCGM PART)	A	UNK	80%	80%	80%	80%	80%	80%	0	80%
X% of EDMAP students that work on subsequent geoscience degrees or obtain a job in a geoscience field (NCGM PART)	A	95%	94%	95%	95%	95%	95%	95%	0	95%
X% of U.S. with geologic maps that are being integrated into ground-water availability status and trends to support resource management decisions (NCGM PART)	A	3%	5%	6%	6%	8%	8%	10%	+2%	10%

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# of counties or comparable jurisdictions that have adopted hazard mitigation measures based in part on geologic mapping and research (NCGM PART)	C	UNK	10	12	12	14	14	14	0	19
% of NPS units for which environmental characterization based on airborne remote sensing is provided as digital GIS products and for which products are cited or use by NPS within 2 years (C&M PART)	C	UNK	50%	50%	50%	60%	60%	75%	+15%	75%
% of regional and major topical studies for which interpretive and synthesis products are cited by identified partners and users within 3 years of study completion (C&M PART)	C	60%	80%	80%	80%	80%	80%	80%	0	80%
Intermediate Outcome Measures and Bureau and PART Outcome Measures										
Ensure the quality and relevance of science information and data to support decision making										
% of studies validated through appropriate peer review or independent review (SP)	A	100%	100%	100%	100%	100%	100%	100%	0	100%
% satisfaction with scientific and technical products and assistance for environment and natural resource decision making (SP)	A	90%	96%	≥80%	91%	≥90%	≥90%	≥90%	0	≥90%
PART Efficiency and Other Output Measures										
Average cost per sample for selected, high priority environmentally available chemical analytes (BRM PART Eff Measure)	A	UNK	\$700	\$700	\$680	\$680	\$680	\$650	-\$30	\$567
# of cumulative gigabytes managed (BUR) (BIMD)	C	360	791.25	800	1,134.22	820	820	841	+21	925

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# of annual gigabytes of geospatial data collected (BUR) (NGP)	A	34,815	6,023	26,728	76,550	25,428	25,428	24,344	-1,084	35,000
# of cumulative gigabytes of geospatial data managed (BUR) (NGP)	C	85,857	108,035	175,207	187,842	200,635	200,635	249,679	+49,044	400,000
# of annual terabytes collected (BUR) (Geography)	A	527.2	438.8	534.0	537.9	534.0	534.0	658.0	+124	658.0
# of cumulative terabytes managed (Geography)	C	2,448.3	2,887.4	3,509.8	3,425.3	4,043.8	4,043.8	4,701.8	+658	7,388.8
# of annual gigabytes collected (Geology)	A	407.2	117.8	210.8	218.8	210.8	210.8	210.8	0	TBD
# of cumulative gigabytes managed (Geology)	C	898.2	1,016.0	1,226.8	1235.0	1,445	1,445	1655	+210.8	TBD
# of systematic analyses & investigations delivered to customers (Total)	A	1,526	2,127	1,632	2,157	1,601	1,732	1,692	-40	1,713
Comments	Improved measure definition during revision of Strategic Plan and rebaselined to improve consistency of application across the Bureau.									
Contributing Programs	Biology Research, Water Resources, Geography, and Geology									
# of formal workshops or training provided to customers (instances/issues/events) (Total)	A	179	403	210	313	192	194	192	-2	194
# of students complete degree requirements for MS, PhD, and post doctoral program under the direction and mentorship of Unit Scientists (CRU) (BUR)	A	106	100	100	103	95	95	90	-5	60
Amount of fire-related data and information available online via the NBII, to assist land managers in fire management decision making (BIMD PART)	C	.5gb	1.5gb	2.0gb	15.42gb	2.5gb	2.5gb	3.0gb	+0.5gb	5.0gb

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# of Natural History Museum specimen data records available online via the NBII, to assist researchers in identifying and addressing threats to human and animal health (BIMD PART)	C	UNK	20 million		57.6 million	35 million	35 million	42 million	+7 million	53 million
Amount of invasive species data and information available online via the NBII, to assist in modeling and forecasting the spread of invasives (BIMD PART)	C	750 mb	800 mb	900 mb	1,137 mb	920 mb	920 mb	930 mb	+10 mb	970 mb
Average cost per gigabyte of data available through servers under Program control (BIMD PART Eff Measure)	A	\$66,000	\$63,000	\$60,000	\$17,155	\$55,000	\$55,000	\$52,000	-\$3,000	\$44,000
# real-time streamgages reporting in NWIS-Web (WRD PART)	A	5,978	6,246	6,165	6,496	6,195	6,195	6,297	+102	6,297
# real-time ground-water sites reporting in NWIS-Web (WRD)	A	799	796	692	917	685	685	689	+4	689
# real-time water-quality sites reporting in NWIS-Web (WRD)	A	1,062	1,125	896	1,102	887	887	887	0	887
X% of WRD streamflow stations with 30 or more years of record (WRD PART)	C	60% baseline	58% (3622/ 6246)	62%	59%	63% (3902/ 6195)	63% (3902/ 6195)	62% (3913/ 6297)	-1%	66% (4165/ 6297)
X% of daily streamflow measurement sites with data that are converted from provisional to final status within 4 months of day of collection (WRD PART Eff)	C	0% baseline	10%	20%	20%	25%	25%	30%	+5%	50%
Average cost per analytical result, adjusted for inflation, is stable or declining over a 5-year period (WRD PART Eff. Measure)	A	\$8.64	\$8.63	\$8.64	\$8.34	\$8.64	\$8.64	\$8.64	0	\$8.64

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LDCM: X% of ground system designed , built, and tested (Geography)	C	UNK	UNK	28%	8% (reflects planning stage only)	44%	44% (reflects planning stage only)	85% (reflects planning stage only)	+41%	5% (100%-Mission complete at launch in 2011. Begin planning for next)
# of hours for fieldwork, compilation, and publication of a typical geologic map (NCGM PART Eff. Measure)	A	3,160	3,070	2,980	2,980	2,890	2,890	2,810	-90	2,700
# of State Geological Surveys that add geologic map information to the NGMDB (NCGM PART)	C	47	48	49	49	50	50	51	+1 Measure ends once we reach 51	Measure will end in FY 2008
# of EDMAP students trained each year (NCGM PART)	A	60	62	60	66	60	60	60	0	60
# of conceptual or numerical models developed (Puget Sound GD)	F	2	0	0	0	0	0	1	+1	1
# of digital geographic information products for priority National Park Service units that provide environmental characterization based on airborne remote sensing (C&M PART)	C	3	10	8	8	9	9	10	+1	10
Fraction of significant landfalling hurricanes (coterminous US) for which post-storm assessments of impact are developed (C&M PART)		4/5	3/3	>=3/4	>=3/4	>=3/4	>=3/4	>=3/4	0	>=3/4

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% of open Ocean and Great-Lakes shoreline of coterminous US for which up-to-date characterization of the shoreline is provided (C&M PART)	C	62%	62%	80%	80%	90%	90%	90%	0	90%
Cost of collection and processing of airborne remote sensing data for coastal characterization and impact assessments (C&M PART Eff Measure)		.58	.56	.55	.55	.47	.47	.35	-.12	.35
# of environmental products in marine protected and managed areas provided for resource management and restoration planning (C&M PART)	C	40	54	63	63	72	72	75	+3	75

Goal Performance Table

End Outcome Goal: 2.4: Resource Use: Improve the understanding of energy and mineral resources to promote responsible use and sustain the nation's dynamic economy

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
GPRA End Outcome Measures										
% of targeted science products that are used by partners and customers for land or resource management decision making (SP)		UNK	UNK	UNK	UNK	UNK	≥80%	≥80%	0	≥80%
Intermediate Outcome Measures and Bureau and PART Outcome Measures										
Ensure availability of energy and mineral resource information and systematic analyses needed by land and resource managers for informed decision making										
# of targeted basins/areas with energy resource assessments available to support management decisions (SP) (ERP PART)	A	5	7	6	6	6	5	5	0	2
% of targeted non-fuel mineral commodities for which up-to-date deposit models are available to support decision making (MRP) (SP)	C	UNK	UNK	UNK	UNK	UNK	Baseline	10%	NA	100%
<i>Baseline Information:</i> Average square miles of the United States with non-energy mineral information available to support management decisions (MRP PART)	C	2,401,329	3,097,647	3,332,038	3,318,208	3,346,737	3,346,737	3,346,737	0	3,346,737
Intermediate Outcome Measures and Bureau and PART Outcome Measures										
Ensure the quality and relevance of science information and data to support decision making										
% of studies validated through appropriate peer review or independent review (SP)	A	100%	100%	100%	100%	100%	100%	100%	0	100%
		(10/10)	(10/10)	(11/11)	(11/11)	(6/6)	(11/11)	(9/9)		(12/12)
% satisfaction with scientific and technical products and assistance for natural resource decision making (SP)	A	UNK	UNK	UNK	UNK	UNK	≥80%	≥80%	0	≥80%
PART Efficiency and Other Output Measures										
# of annual gigabytes collected (ERP)	A	.745	97.793	20.038	158.048	20.038	20.038	20.038	0	TBD

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# of cumulative gigabytes managed (ERP)	C	211.458	351.289	371.327	509.338	391.365	524.826	544.864	+20.038	TBD
# of cumulative gigabytes managed (MRP)	C	15.420	16.131	16.221	16.221	16.3	16.3	16.3	0	16.3
# of systematic analyses & investigations delivered to customers (assessments) (Total)	A	10	10	11	11	6	11	9	-2	8 or 9
# of formal workshops or training provided to customers (instances/issues/events) (Total)	A	16	16	15	15	11	15	10	-5	11
X% of targeted analyses/investigations delivered which are cited by identified partners within 3 years of delivery (ERP PART)	A	80%	86%	≥80%	82%	≥80%	≥80%	≥80%	0	≥80%
Average cost of a systematic analysis or investigation (ERP PART Eff. Measure)	A	\$2.2M	\$2.73M	\$2.75M	\$1.98M	\$2.75M	\$2.75M	\$2.75M	0	\$2.75M
# of mineral commodity reports available for decisions (BUR)	A	733	746	720	690	700	720	650	-70	600
X% of expected responses for which canvass forms have been converted to electronic format (MRP) (BUR)	C	58%	81%	88%	88%	100%	100%	100%	0	100%
X% of targeted analyses delivered which are cited by identified partners within 3 years after analysis delivered (MRP PART)	A	80%	87%	≥80%	93%	≥80%	≥80%	≥80%	0	≥80%
Average cost of a systematic analysis or investigation (MRP PART Eff. Measure)	A	\$4.31M	\$4.18M	\$4.4M	\$4.3M	\$12.4M	\$3.8M	\$9.0M	+5.2M	\$6M

Goal Performance Table

End Outcome Goal: 4.2: Serving Communities: Improve understanding, prediction, and monitoring of natural hazards to inform decisions by civil authorities and the public to plan for, manage, and mitigate the effects of hazard events on people and property

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
GPRA End Outcome Measures										
% of communities/Tribes using DOI science on hazard mitigation, preparedness and avoidance for each hazard management activity (SP)	C	43.2% (129.7/3)	44.6% (133.7/3)	47.5% (142.5/3)	47.5% (142.5/3)	50.8% (152.5/3)	50.4% (151.3/3)	51.4% (154.1/3)	+0.9%	52.0% (156.1/3)
Comments	The revision of the Strategic Plan added Tribal communities to the metric on % of communities. The tribal component was re-baselined in FY 2007.									
Intermediate Outcome Measures and Bureau and PART Outcome Measures Provide information to assist communities in managing risks from natural hazards										
# of areas for which detailed hazard assessments are completed (SP)	C	UNK	UNK	UNK	49	51	51	53	+2	63
# of urban areas for which detailed hazard maps are completed (PART) (EHP)		2	3	3	3	3	3	4	+1	7
# of metropolitan regions where Shakemap is incorporated into emergency procedures (SP) (PART)	C	5	5	5	5	5	5	5	0	5
% of potentially hazardous volcanoes with published hazard assessments (SP) (PART)	C	61.4%	62.8% (44/70)	64.3% (45/70)	64.3% (45/70)	65.7% (46/70)	65.7% (46/70)	67.1% (47/70)	+4.3%	71.4% (50/70)
<i>Use Rate: Earthquakes:</i> X% of communities/tribes using DOI science on hazard mitigation, preparedness and avoidance for each hazard management activity (07 Plan baseline is 885 at risk counties) (BUR)	C	62.7% (559/891)	63.4% (565/891)	63.9% (569/891)	63.9% (569/891)	64.0% (570/891)	62.8% (556/885) Rebaslined in FY 2007	62.8% (556/885)	0	62.8% (556/885)

Goal Performance Table

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
<i>Use Rate: Landslides:</i> X% of communities/tribes using DOI science on hazard mitigation, preparedness, and avoidance for each hazard management activity (BUR)	C	3.7% (68/1800)	3.9% 71/1800)	4.4% (80/1800)	4.4% (80/1800)	4.9% (89/1800)	4.9% (89/1800)	5.4% (98/1800)	+0.5%	7.4% (134/1800)
<i>Use Rate: Volcanoes:</i> X% of communities/tribes using DOI science on hazard mitigation, preparedness, and avoidance for each hazard management activity (Baseline is 256 at risk counties) (BUR)	C	63.3%	66.4% (170/256)	74.2% (190/256)	74.2% (190/256)	83.6% (214/256)	83.6% (214/256)	85.9% (220/256)	+2.3%	85.9% (220/256)
<i>Use Rate: Landslide Hazards:</i> # of responses to inquiries from the public, educators, and public officials to the National Landslide Information Center on hazard mitigation, preparedness and avoidance strategies for landslide hazards (BUR)	A	1,600	5,200	1,600	1,600	1,600	1,600	1,600	0	1,600
Intermediate Outcome Measures and Bureau and PART Outcome Measures										
Ensure the quality and relevance of science information and data to support decision making										
% of studies validated through peer review or independent review, as appropriate (SP)	A	100%	100%	100%	100%	100%	100%	100%	0	100%
% satisfaction with scientific and technical products and assistance for natural hazard planning, mitigation, and emergency response (SP)	A	UNK	UNK	UNK	UNK	UNK	≥80%	≥80%	0	≥80%
PART Efficiency and Other Output Measures										
# of systematic analyses & investigations delivered to customers (Total)	A	3	6	6	4	5	252	239	-13	197
Comments	Improved measure definition during revision of Strategic Plan and rebaselined to improve consistency of application across the Bureau. Decline in publications in 2008 is due to the increasing priority in recent years to improving earthquake monitoring systems and the level of response to hazardous events necessitated in recent years by the eruption of Mount St. Helens and Augustine									
Contributing Programs	Earthquake, Volcano, Landslide, and Geomagnetism									

Goal Performance Table

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
# of real-time ANSS earthquake sensors (reported yearly and cumulative at the end of the year) (PART) (EHP)	C	95 (cum.523)	40 (cum.563)	106 (cum.669)	27 (cum.723)	40 (cum.763)	40 (cum.763)	17 (cum.780)	+17	0 (cum 780)
Comments	Sensors were rebaselined in FY 2006 to earned-value management accounting.									
% of earthquake monitoring global seismic network stations that have telemetry (increase reporting speed from one hour to 20 minutes)	A	80%	86%	89%	89%	93%	93%	93%	0	95%
# of formal workshops or training provided to customers (instances/issues/events) (Total)	A	14	19	13	15	12	11	12	+1	TBD
# of sites (mobile or fixed) monitored for ground deformation to identify volcanic activity (VHP)	C	85	88	98	94	125	125	128	+3	140
# of areas or locations for which geophysical models exist that are used to interpret monitoring data (PART) (LHP)	C	4	4 1/3	4 2/3	4 2/3	5	5	5 1/3	+1/3	6 2/3
# of volcanoes for which information supports public safety decisions (PART) (VHP)	C	49	+2 (cum 51)	0 (cum 51)	0 (cum 51)	+1 (cum 52)	+1 (cum 52)	0 (cum 52)	0	1 (cum 53)
X% of potentially active volcanoes monitored (x number of 70) (PART) (VHP)	C	67%	72.9% (51/70)	72.9% (51/70)	72.9% (51/70)	74.3% (52/70)	74.3% (52/70)	74.3% (52/70)	0	75.7% (53/70)
# of communities/tribes using DOI science on hazard mitigation, preparedness, and avoidance for Earthquake hazard management activity (PART) (07 Baseline is 885 at risk counties)	C	559	565	569	569	570	556	556	0	556
Comments	The revision of the Strategic Plan added Tribal communities to the metric on % of communities. Rebaselined # counties to 885 in 2007 Plan; EHP using a new counties database.									

Goal Performance Table

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
# of communities/tribes using DOI science on hazard mitigation, preparedness and avoidance of each Landslide management activity (PART) (Baseline is 1,800 counties and parks with moderate to high landslide susceptibility in the U.S. (99-03, 60 adopted measure)	C	68	71	80	80	89	89	98	+9	134
# of communities/tribes using DOI science on hazard mitigation, preparedness, and avoidance for Volcano hazard management activity (PART) (Baseline is 256 at risk counties)	C	162	170	190	190	214	214	220	+6	220
X% data availability for real-time data from the GSN (PART)	A	90.5	89%	90%	88%	87%	87%	86%	-1%	95%
Data processing and notification costs per unit volume of input data from sensors in monitoring networks (in cost per gigabyte) (PART Eff. Measure)	A	0.90 \$/GB (-1%)	0.79 \$/GB	1.42 \$/GB	1.30 \$/GB	1.33 \$/GB	1.33 \$/GB	1.33 \$/GB	0	TBD
Volcano Monitoring Improvements: X% of full monitoring achieved (BUR)	C	UNK	48.9% (227/ 464)	48.7% (226/ 464)	UNK	49.4% (229/ 464)	49.4% (229/ 464)	50.0% (232/ 464)	+0.6%	53.0% (246/ 464)

Goal Performance Table

End Outcome Goal: 5.1: Management Excellence: Increase Accountability

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
GPRA End Outcome Measures										
Obtain unqualified audit (SP)	A	Unqualified Opinion	Unqualified Opinion	Unqualified Opinion	0	Unqualified Opinion				
Establish and maintain an effective, risk-based internal control environment as defined by the Federal Manager's Financial Integrity Act (FMFIA) and revised OMB Circular A-123 (SP)	A	UNK	UNK	100%	100%	100%	100%	100%	0	100%
Intermediate Outcome Measures and Bureau and PART Outcome Measures Improved Financial Management										
Corrective actions: Percent of material weaknesses, and material non-compliance issues that are corrected on schedule (SP)	A	UNK	UNK	100%	100%	100%	100%	100%	0	100%
Corrective Actions: Percent of established targets in Financial Performance Metrics met as defined in FAM No. 2003-015. (SP)	A	UNK	UNK	UNK	UNK	UNK	100%	100%	0	100%

End Outcome Goal: 5.2: Management Excellence: Advance Modernization/Integration

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
GPRA End Outcome Measures										
Percent of systems and lines of business/functional areas associated with an approved blueprint that are managed consistent with that blueprint (SP)	F	UNK	UNK	UNK	UNK	UNK	UNK	Assuming DOI approves GeoLoB blueprint, 2008 will be baseline year.	N/A	TBD

Goal Performance Table

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
Percent of IT systems that have Certification and Accreditation (C&A) and are maintaining C&A status (SP) (EIS&T)	A	UNK	UNK	100%	100%	100%	100%	100%	0	100%
Intermediate Outcome Measures and Bureau and PART Outcome Measures E-Government and Information Technology Management										
<i>Efficient IT Management.</i> Score achieved on the OMB Enterprise Architecture Framework (SP) (EIS&T)	A	UNK	UNK	Level 3	Level 3	Level 4	Level 4	Level 4	0	Level 5
<i>Efficient IT Management.</i> Stage achieved on the GAO IT Investment Management Framework (SP) (EIS&T)	F	UNK	UNK	UNK	63% stage 3	70% stage 3	70% stage 3	100% stage 3	+30%	Stage 4 & 5 targets to be set by DOI
<i>Efficient IT Management.</i> Score achieved on the NIST Federal IT Security Assessment Framework (SP) (EIS&T)	F	UNK	UNK	4	3.37	3.5	3.5	4.5	+1	4.5
<i>Implement Records Management Strategy.</i> % of all bureaus and offices developing consistent records management policy (SP) (EIR)	A	UNK	UNK	UNK	UNK	100%	100%	100%	0	100%
% of USGS IT systems completing the C&A process and/or maintaining C&A status. (BUR) (EIS&T)	F	UNK	UNK	100%	100%	100%	100%	100%	0	100%
IT Investment Management Annual % of USGS IT investments reviewed, approved, and monitored through the CPIC process. (BUR) (EIS&T)	F	UNK	UNK	100%	100%	100%	100%	100%	0	100%
% of earth science instructors in the U.S., K-16, using USGS educational materials (BUR) (EIR)	F	UNK	UNK	UNK	UNK	UNK	UNK	Baseline	N/A	TBD

Goal Performance Table

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
% of customers satisfied with service from USGS IT Service Desk (BUR) (EIS&T)	F	UNK	UNK	93%	94%	94%	94%	94% with expanding customer base	0	97%
% of identified USGS security incidents that receive corrective action within timeframes required by the DOI Incident Response Policy (BUR) (EIS&T)	F	25%	50%	75%	75%	100%	100%	100%	0	100%
Total USGS public web content managed by the enterprise web infrastructure (BUR) (EIR)	F	UNK	UNK	UNK	UNK	UNK	UNK	Baseline	N/A	TBD
Total # of internships and fellowships supported and/or facilitated by the USGS educational program (BUR) (EIR)	F	18	22	30	55	55	55	55	0	55
PART Efficiency and Other Output Measures										
# of new and legacy information products added to the USGS publications database (BUR) (EIR)	F	UNK	UNK	67,500	70,351	67,500	67,500	67,500	0	All legacy completed, and all new added annually.
# of online bibliographic records (BUR) (EIR)	F	4,196	3,872	3,872	6,381	6,381	6,381	6,381	0	80,000
Intermediate Outcome Measures and Bureau and PART Outcome Measures										
Human Capital Management										
<i>Worker Competency:</i> % of employees who have resolved competency gaps in specified occupational groups identified as critical occupations in the Department (SP)	A	65%	65%	65%	65%	UNK	66%	68%	+2%	75%
<i>Safe Workplace:</i> % reduction in lost production days (SP)	C	UNK	6.4 lost production days per 100 employees	6.34 lost production days per 100 employees	5.9 lost production days per 100 employees	UNK	6.28 lost production days per 100 employees	6.21 lost production days per 100 employees	1%	5.97 lost production days per 100 employees

Goal Performance Table

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
<i>Safe Workplace</i> : % reduction in the number of employees on workers compensation rolls (SP) (rounded to the nearest whole number)	C	UNK	UNK	UNK	81%	UNK	79%	76%	+3%	67%
<i>Safe Workplace</i> : % annual reduction in the injury incidence rate (SP)	C	UNK	UNK	UNK	3.25 injuries per 100 employees	UNK	3.16 injuries per 100 employees	3.07 injuries per 100 employees	3%	2.72 injuries per 100 employees
<i>Diversity</i> : The % of managers who have completed the 4-hour required minimum annual diversity/EEO training (BUR)	A	UNK	UNK	UNK	UNK	UNK	20%	30%	+10%	100%
<i>Diversity</i> : The # of MD-715 identified deficiencies that have been corrected (BUR)	A	UNK	UNK	UNK	UNK	UNK	2	3	+1	TBD
<i>Collaboration Capacity</i> : # of volunteer hours per year supporting DOI mission activities (SP)	A	UNK	UNK	UNK	UNK	UNK	200,000	200,000	0	200,000
<i>Cooperative Conservation Internal Capacity</i> : # of employees trained in collaboration and partnering competencies (BUR)	C	UNK	UNK	UNK	UNK	UNK	150 FTE	200 FTE	+50 FTE	400 FTE
<i>Cooperative Conservation External Capacity</i> : % of conservation projects that actively involve the use of knowledge and skills of people in the area, and local resources in priority setting, planning, and implementation processes. (SP)	C	UNK	UNK	UNK	UNK	UNK	Establish Baseline	UNK	UNK	TBD (Establish Baseline in FY 2007)
Intermediate Outcome Measures and Bureau and PART Outcome Measures Organizational Reviews and Acquisitions										

Goal Performance Table

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
<i>Competition:</i> Number of full time equivalent (FTE) in competitive sourcing studies completed during the fiscal year (SP)	F	0 FTE	0 FTE	70 FTE	70FTE	524 FTE	512 FTE	TBD (Unknown until Business Strategy Reviews complete.)	NA	TBD (Unknown until Business Strategy Reviews complete.)
<i>Increase Competition:</i> Percentage of eligible service contract actions over \$25,000 awarded as performance-based acquisitions (SP)	A	37%	48%	40%	25%	40%	40%	40%	0%	40%
Intermediate Outcome Measures and Bureau and PART Outcome Measures Performance-Budget Information										
% of programs with demonstrated use of performance measures in budget justifications and decisions (SP)	C	UNK	UNK	UNK	UNK	UNK	Establish Baseline	TBD	NA	TBD (Establish Baseline in FY 2007)
% of programs that can estimate marginal cost of changing of performance (SP)	C	UNK	UNK	UNK	UNK	UNK	Establish Baseline	TBD	NA	TBD (Establish Baseline in FY 2007)
Intermediate Outcome Measures and Bureau and PART Outcome Measures Facilities Improvement										
% of programs that can estimate marginal cost of changing of performance (SP)		UNK	UNK	UNK	UNK	UNK	Establish Baseline	TBD	NA	TBD (Establish Baseline in FY 2007)
Overall condition of buildings and of structures (as measured by the FCI) that are mission critical and mission dependent (as measured by the API), with emphasis on improving the condition of assets with critical health and safety needs (SP)	A	UNK	UNK	UNK	UNK	UNK	UNK	0.115	0	0.095

Goal Performance Table

End Outcome Measures Intermediate or PART Measures/PART Efficiency or Other Outcome Measures	Type	2004 Actual	2005 Actual	2006 Plan	2006 Actual	2007 President's Budget	2007 Plan	2008 Plan	Change from 2007 Plan to 2008	Long-term Target 2012
Percent change in the Operating Costs (operations and maintenance costs) per square foot of buildings that are "Not-Mission Dependent" as reported in the Federal Real Property Profile (FRPP) in the current fiscal year compared to the previous fiscal year. (SP)	A	UNK	UNK	UNK	UNK	UNK	UNK	-5%	0	-5%
Percent change in the total number of buildings (office, warehouse, laboratory, and housing) reported as "Under Utilized" or "Not Utilized" in the Federal Real Property Profile (FRPP) in the current fiscal year compared to the previous fiscal year (SP)	A	UNK	UNK	UNK	UNK	UNK	UNK	-5%	0	-5%
Percent of assets targeted for disposal that were disposed (SP)	A	UNK	UNK	UNK	UNK	UNK	UNK	100%	0	100%
PART Efficiency and Other Output Measures										
# of bureau condition assessments in progress or completed (within a 5-year cycle) (Facilities)	C	41	9	15	14	24	24	32	+8	NA (new 5-yr cycle)
# of deferred maintenance and capital improvements (cumulative) (Facilities)	C	36	53	67	63	74	74	84	+10	96
New Capital Improvement Project (Facilities)	C	UNK	UNK	UNK	UNK	UNK	NA	1	+1	1

Goal Performance Table

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