

Office of the
Legislative Fiscal Analyst

FY 2005 Budget Recommendations

Joint Appropriations Subcommittee for
Natural Resources

Utah Department of Natural Resources
Utah Geological Survey

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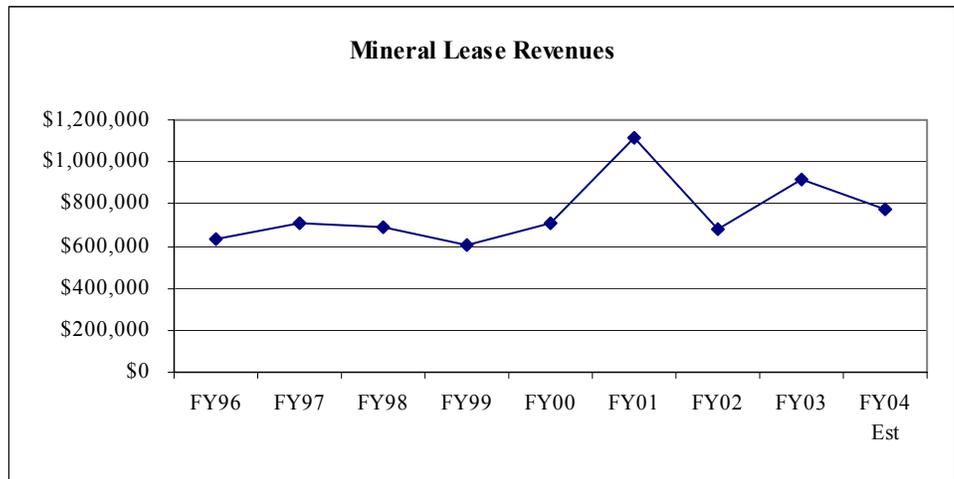
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1.0 Summary: Utah Geological Survey

Created under UCA 63-73, the Utah Geological Survey is an applied scientific agency that creates, interprets, and provides information about Utah's geologic environment, resources, and hazards to promote safe, beneficial, and wise use of the land.

The Survey does not have regulatory power except in areas concerning paleontology. Otherwise, the agency must "assist," "advise," and "cooperate with" other groups.

Federal mineral lease receipts are a crucial part of the division's revenue, typically between fifteen to twenty percent of the total or \$600,000 to \$700,000 per year, depending on current energy prices. In FY 2001 they jumped to \$1,197,900, or 24 percent of division revenues. In FY 2003 they increased enough for the division to contribute an extra \$200,000 toward paying off its Core Sample Library. Typically mineral lease revenues follow natural gas prices, but with a three month lag. The division has been unable to successfully predict any individual month's receipts, apparently because of variable reporting to the federal government on production levels. The volatility in mineral lease receipts makes long-term financial planning difficult, and highlights the need to maintain a carry forward balance each year to cover unexpected fluctuations.



	Analyst FY 2005 Base	Analyst FY 2005 Changes	Analyst FY 2005 Total
Financing			
General Fund	2,107,100		2,107,100
Federal Funds	687,500		687,500
Dedicated Credits Revenue	552,100		552,100
Federal Mineral Lease	779,200		779,200
Beginning Nonlapsing	330,800		330,800
Closing Nonlapsing	(228,400)		(228,400)
Total	\$4,228,300	\$0	\$4,228,300
Programs			
Administration	606,300		606,300
Technical Services	455,300		455,300
Geologic Hazards	477,600		477,600
Board	3,300		3,300
Geologic Mapping	608,000		608,000
Energy and Minerals	1,063,600		1,063,600
Environmental	460,900		460,900
Information and Outreach	553,300		553,300
Total	\$4,228,300	\$0	\$4,228,300
FTE/Other			
Total FTE	59.8	0.0	59.8

2.0 Issues: Utah Geological Survey

2.1 Groundwater Section Funding Increase

Groundwater resources have become critical in demand as Utah's population continues to grow. Years of drought have caused aquifers to decline and dissolved contaminants to increase. In order for the state and local agencies to deliver water as promised to water right holders, it is important to have a sound understanding of the quantity and quality of the resource. Should additional General Funds become available, the Analyst recommends an increase of \$116,500. Funds would be used to hire one hydro-geologist and to perform special studies which have been funded by pass-through from the Division of Water Rights. Objectives include preparing groundwater quality and wellhead protection study maps and reports, and performing studies for regulatory agencies to characterize the nature of soil and rock materials penetrated by wells and define the relationship of geology to water resources.

General Fund (if available)\$116,500

3.0 Programs: Utah Geological Survey

3.1 Administration

Recommendation

The Analyst recommends a total budget of **\$606,300**. Personal Services comprise **86** percent of the recommended appropriation.

	2003	2004	2005	Est/Analyst
	Actual	Estimated*	Analyst	Difference
Financing				
General Fund	555,800	563,800	604,800	41,000
General Fund, One-time		1,800		(1,800)
Federal Funds		29,800		(29,800)
Dedicated Credits Revenue	33,100	41,400	1,500	(39,900)
Transfers	1,500			
Total	\$590,400	\$636,800	\$606,300	(\$30,500)
Expenditures				
Personal Services	505,400	527,700	521,100	(6,600)
In-State Travel	1,200	1,400	1,200	(200)
Out of State Travel	5,600	10,800	5,600	(5,200)
Current Expense	75,900	82,500	76,000	(6,500)
DP Current Expense	2,300	3,400	2,400	(1,000)
Other Charges/Pass Thru		11,000		(11,000)
Total	\$590,400	\$636,800	\$606,300	(\$30,500)
FTE/Other				
Total FTE	8.1	8.3	8.0	(0.3)

*Non-state funds as estimated by agency

Purpose

Administration provides management, secretarial, and general administrative support to the UGS staff and board. The Director, as State Geologist, provides geologic information to the Department, other state and local government agencies, state educational institutions, and industry.

This program also manages the general building needs of the Core Sample Library.

Intent Language

The Analyst recommends **maintaining** the following intent language from H.B. 1, 2003 General Session:

It is the intent of the Legislature that the Utah Geological Survey's Mineral Lease funds be nonlapsing.

Previous Building Block Report

In the 2003 General Session the Legislature transferred \$17,300 in ongoing General Funds from this line item to the Building Operations line item to help cover increased maintenance costs. The transfer was effective for FY 2003 forward.

The Legislature also transferred \$30,000 in ongoing General Funds from this line item to the Water Rights line item. This transfer was a piece of a \$120,000 transfer from three line items (OGM, DWR, UGS) to cover operating expenses.

**Performance
Measures**

Description	FY 2002	FY 2003
Number of publications published	45	49
Number of outside publications contributed to	41	50

3.2 Technical Services

Recommendation

The Analyst recommends a total budget of \$455,300. Dedicated Credits come from sales of publications.

	2003	2004	2005	Est/Analyst
	Actual	Estimated*	Analyst	Difference
Financing				
General Fund	488,300	496,200	444,800	(51,400)
General Fund, One-time		800		(800)
Federal Funds		1,700		(1,700)
Dedicated Credits Revenue	12,200	11,200	10,500	(700)
Total	<u>\$500,500</u>	<u>\$509,900</u>	<u>\$455,300</u>	<u>(\$54,600)</u>
Expenditures				
Personal Services	290,400	277,700	276,800	(900)
Current Expense	39,200	40,300	39,700	(600)
DP Current Expense	157,100	181,900	138,800	(43,100)
DP Capital Outlay	13,800	10,000		(10,000)
Total	<u>\$500,500</u>	<u>\$509,900</u>	<u>\$455,300</u>	<u>(\$54,600)</u>
FTE/Other				
Total FTE	6.1	5.5	5.5	0.0

*Non-state funds as estimated by agency

Purpose

The Technical Services program includes the Editorial section, which prepares reports and maps for publication, and the Computer Resources section, which provides remote support to UGS regional offices, and maintains a variety of databases.

3.3 Geologic Hazards

Recommendation

The Analyst recommends a total budget of **\$477,600**. Dedicated Credits come from services performed for the School and Institutional Trust Lands Administration. Personal Services comprise 91 percent of the recommended appropriation.

	2003	2004	2005	Est/Analyst
	Actual	Estimated*	Analyst	Difference
Financing				
General Fund	378,200	360,300	433,600	73,300
General Fund, One-time		1,000		(1,000)
Federal Funds	57,700	114,900	39,000	(75,900)
Dedicated Credits Revenue	27,800	21,400	5,000	(16,400)
Transfers	5,000			
Beginning Nonlapsing	8,700			
Total	\$477,400	\$497,600	\$477,600	(\$20,000)
Expenditures				
Personal Services	434,100	448,500	437,000	(11,500)
In-State Travel	3,300	3,900	3,100	(800)
Out of State Travel	5,800	4,300	4,300	
Current Expense	33,600	27,000	20,000	(7,000)
DP Current Expense	600	1,300	600	(700)
Other Charges/Pass Thru		12,600	12,600	
Total	\$477,400	\$497,600	\$477,600	(\$20,000)
FTE/Other				
Total FTE	6.9	7.5	7.0	(0.5)

*Non-state funds as estimated by agency

Purpose

The purpose of this program is to help protect Utah citizens by reducing losses from geologic hazards. This is done by characterizing significant landslide and earthquake sources, completing detailed hazard maps (1:24,000) for major urban areas, helping state and local government agencies responsibly address hazards, and promoting hazard reduction through education.

Recent accomplishments include completing a geologic-hazard scenario for an M7 earthquake in the Salt Lake City area. Maps show areas of strong shaking, fault ruptures, landslides, and liquefaction and are used to estimate losses and emergency-response planning. The program also recently published paleoseismic reports on Brigham City and Salt Lake City segments of the Wasatch Fault.

Performance Measures

Description	FY 2002	FY 2003
Reviews of geotechnical reports for state and local governments, including school districts	32	32
Geologic Hazard Studies completed	7	2
Responses to geologic hazard emergency queries	5	3

3.4 Board

Recommendation

The Analyst recommends a total budget of **\$3,300** for the Board's support costs.

	2003	2004	2005	Est/Analyst
Financing	Actual	Estimated*	Analyst	Difference
General Fund	3,000	4,400	3,300	(1,100)
Total	<u>\$3,000</u>	<u>\$4,400</u>	<u>\$3,300</u>	<u>(\$1,100)</u>
Expenditures				
Personal Services	700	1,500	1,500	
In-State Travel	300	1,500	400	(1,100)
Current Expense	2,000	1,400	1,400	
Total	<u>\$3,000</u>	<u>\$4,400</u>	<u>\$3,300</u>	<u>(\$1,100)</u>

*Non-state funds as estimated by agency

Purpose

UCA 63-73-4 establishes a seven-member policy board for the division. The director of the School and Institutional Trust Lands Administration sits as a non-voting member. Duties of the board are to:

- Establish and review policies, programs and priorities
- Review and recommend budgets
- Assess the needs of the community with regard to development and use of geologic resources
- Keep the director advised concerning survey policies
- Enact rules.

3.5 Geologic Mapping

Recommendation

The Analyst recommends a total budget of **\$608,000**. **Thirty eight percent** of the appropriation comes from Mineral Lease monies. Personal Services comprise **81** percent of the recommended appropriation.

	2003	2004	2005	Est/Analyst
Financing	Actual	Estimated*	Analyst	Difference
General Fund	183,500	158,900	66,900	(92,000)
General Fund, One-time		800		(800)
Federal Funds	169,100	307,900	309,000	1,100
Dedicated Credits Revenue		24,400		(24,400)
Federal Mineral Lease	284,900	136,200	232,100	95,900
Transfers	2,000			
Total	\$639,500	\$628,200	\$608,000	(\$20,200)
Expenditures				
Personal Services	491,400	524,400	492,400	(32,000)
In-State Travel	9,900	13,200	10,000	(3,200)
Out of State Travel	2,100	1,700	1,700	
Current Expense	57,800	48,400	46,100	(2,300)
DP Current Expense	2,400	1,500	1,500	
DP Capital Outlay	20,900			
Other Charges/Pass Thru	55,000	39,000	56,300	17,300
Total	\$639,500	\$628,200	\$608,000	(\$20,200)
FTE/Other				
Total FTE	8.1	9.2	8.0	(1.2)

*Non-state funds as estimated by agency

Purpose

This program produces printed and digital (Geographic Information System or GIS) maps, most at 1:100,000 and 1:24,000 scales. Program goals are to complete 1:100,000 scales GIS maps by 2012 and map selected areas at 1:24,000 as priorities dictate. Maps provide detailed geologic information needed for proper land use decisions, and most include booklets describing the geology within the map. Mapping data is shared with many kinds of customers and with the state's Automatic Geographic Reference Center (AGRC).

Performance Measures

Description	FY 2002	FY 2003
1:24,000 maps produced of critical areas in Utah	17	21
1:100,000 maps produced of critical areas in Utah	5	4
Average cost per map (total cost divided by # maps)	\$26,300	\$25,600

3.6 Energy and Minerals

Recommendation

The Analyst recommends a total budget of **\$1,063,600**. Dedicated Credits come from services performed for the School and Institutional Trust Lands Administration, the Division of Forestry, Fire and State Lands, and the Utah Energy Office. Pass-through expenditures go to industry partners who participate in projects.

	2003	2004	2005	Est/Analyst
	Actual	Estimated*	Analyst	Difference
Financing				
General Fund		(300)		300
General Fund, One-time		300		(300)
Federal Funds	253,700	424,400	269,500	(154,900)
Dedicated Credits Revenue	28,900	185,800	144,600	(41,200)
Federal Mineral Lease	627,500	643,000	547,100	(95,900)
Transfers	174,800			
Beginning Nonlapsing	515,800	367,700	330,800	(36,900)
Closing Nonlapsing	(367,700)	(330,800)	(228,400)	102,400
Total	<u>\$1,233,000</u>	<u>\$1,290,100</u>	<u>\$1,063,600</u>	<u>(\$226,500)</u>
Expenditures				
Personal Services	898,100	913,200	888,800	(24,400)
In-State Travel	6,700	8,900	6,700	(2,200)
Out of State Travel	6,200	12,300	6,200	(6,100)
Current Expense	85,700	127,300	119,200	(8,100)
DP Current Expense	2,500	2,000	1,100	(900)
DP Capital Outlay	5,000			
Capital Outlay	6,200			
Other Charges/Pass Thru	222,600	226,400	41,600	(184,800)
Total	<u>\$1,233,000</u>	<u>\$1,290,100</u>	<u>\$1,063,600</u>	<u>(\$226,500)</u>
FTE/Other				
Total FTE	15.8	15.7	15.3	(0.4)

*Non-state funds as estimated by agency

Purpose

This program encourages energy and mineral resource development through a variety of studies to inventory and characterize the state's deposits. Recent studies have emphasized the use of GIS methods. Many of these projects are funded in part by the U.S. Department of Energy, the U.S. Geological Survey, or the U.S. Bureau of Land Management, and may include industry, academic, or consulting partners. The results of these projects help industry, the general public, and other governmental agencies make decisions about managing and developing resources in Utah. This program also maintains the Core Research Center, which contains cuttings from wells and cores across the state.

Coalbed methane continues to grow as a percentage of gas produced in Utah. In 2000, natural gas became the most important fossil fuel in the state for revenue generation, surpassing coal, which led during most of the 1990s, and oil, which dominated the 1980s. Continued discoveries of natural gas in Utah and relatively high prices indicate that the local gas industry has a bright future (see Survey Notes, April 2003, p. i).

Previous Building Block Report

During the 2003 General Session the Legislature cut \$21,000 in ongoing General Funds from this program as part of the requirement to reduce budgets by an additional two percent.

Performance Measures

Description	FY 2002	FY 2003
Completed energy and mineral resource studies	25	10
Completed studies on metallic and industrial mineral resources	7	9
Samples examined in Core Research Center	1,256	1,260
Students educated in Core Research Center	1,414	600

3.7 Environmental Sciences

Recommendation

The Analyst recommends a total budget of **\$460,900**. Dedicated Credits come from services performed for the School and Institutional Trust Lands Administration and from non-state requestors of projects. Personal Services comprise **93** percent of the recommended appropriation.

	2003	2004	2005	Est/Analyst
	Actual	Estimated*	Analyst	Difference
Financing				
General Fund	268,600	263,400	284,900	21,500
General Fund, One-time		700		(700)
Federal Funds	92,000	132,800	70,000	(62,800)
Dedicated Credits Revenue	35,300	245,600	106,000	(139,600)
Transfers	133,900			
Total	\$529,800	\$642,500	\$460,900	(\$181,600)
Expenditures				
Personal Services	472,800	563,500	430,000	(133,500)
In-State Travel	11,900	17,500	7,800	(9,700)
Out of State Travel	3,300	3,800	3,200	(600)
Current Expense	40,700	34,900	18,800	(16,100)
DP Current Expense	1,100	2,100	1,100	(1,000)
Other Charges/Pass Thru		20,700		(20,700)
Total	\$529,800	\$642,500	\$460,900	(\$181,600)
FTE/Other				
Total FTE	9.6	11.2	8.0	(3.2)

*Non-state funds as estimated by agency

*Groundwater Section
Funding Increase*

Groundwater resources have become critical in demand as Utah’s population continues to grow. Years of drought have caused aquifers to decline and dissolved contaminants to increase. In order for the state and local agencies to deliver water as promised to water right holders, it is important to have a sound understanding of the quantity and quality of the resource. Should additional General Funds become available, the Analyst recommends an increase of \$116,500. Funds would be used to hire one hydro-geologist and to perform special studies which have been funded by pass-through from the Division of Water Rights. Objectives include preparing groundwater quality and wellhead protection study maps and reports, and performing studies for regulatory agencies to characterize the nature of soil and rock materials penetrated by wells and define the relationship of geology to water resources.

General Fund (if available)\$116,500

Purpose

This program maintains and publishes records of Utah’s fossil resources, provides paleontological recovery services to state and local governments, conducts studies of paleontological resources to aid in land-use management, and evaluates the quality and quantity of Utah’s groundwater resources.

The Groundwater Section was established in 1994 to provide state and local governments with scientific information to help make sound water resource decisions. Continued population growth and development pressure have resulted in an increase in the number of requests for technical aid. No additional funds were used to create this section. Staff is forced to spend significant time and effort pursuing funding rather than focusing on groundwater needs.

Performance Measures

Description	FY 2002	FY 2003
Studies to assess quantity and quality of groundwater in Utah’s strategic aquifers	6	6
Wellhead protection studies completed	5	7
Permits issued as part of regulating paleontological excavations	17	20
Search requests from database of Utah’s fossil resources	155	98

3.8 Geologic Information and Outreach

Recommendation

The Analyst recommends a total budget of **\$553,300**. Dedicated Credits come mostly from sales at the DNR Bookstore.

	2003	2004	2005	Est/Analyst
Financing	Actual	Estimated*	Analyst	Difference
General Fund	250,200	260,400	268,800	8,400
General Fund, One-time		700		(700)
Dedicated Credits Revenue	298,500	300,500	284,500	(16,000)
Transfers	3,000			
Total	\$551,700	\$561,600	\$553,300	(\$8,300)
Expenditures				
Personal Services	357,600	402,000	396,700	(5,300)
In-State Travel	100	400	100	(300)
Out of State Travel	1,100			
Current Expense	191,200	157,600	155,000	(2,600)
DP Current Expense	1,700	1,600	1,500	(100)
Total	\$551,700	\$561,600	\$553,300	(\$8,300)
FTE/Other				
Total FTE	7.3	8.2	8.0	(0.2)

*Non-state funds as estimated by agency

Purpose

This program answers public inquiries, performs public, teacher, and media outreach, prepares translated publications for a non-technical audience, manages the UGS web site (geology.utah.gov), manages the DNR Bookstore and its web site (mapstore.utah.gov), and the DNR Library.

Performance Measures

Description	FY 2002	FY 2003
Items sold in DNR Bookstore	44,600	45,063
Number of DNR Library users	3,030	2,680
Number of website visitors	378,000	550,000
Number of geologic inquiries answered	700	1,000
Number of pamphlets/brochures produced	11	12

4.0 Additional Information: Utah Geological Survey

4.1 Funding History

	2001	2002	2003	2004	2005
Financing	Actual	Actual	Actual	Estimated*	Analyst
General Fund	2,329,400	2,322,600	2,127,600	2,107,100	2,107,100
General Fund, One-time		47,100		6,100	
Federal Funds	669,300	639,900	572,500	1,011,500	687,500
Dedicated Credits Revenue	517,000	450,600	435,800	830,300	552,100
Federal Mineral Lease	1,117,900	681,200	912,400	779,200	779,200
Transfers	243,700	303,000	320,200		
Beginning Nonlapsing	281,800	577,400	524,500	367,700	330,800
Closing Nonlapsing	(577,400)	(524,500)	(367,700)	(330,800)	(228,400)
Total	\$4,581,700	\$4,497,300	\$4,525,300	\$4,771,100	\$4,228,300
Programs					
Administration	529,400	554,900	590,400	636,800	606,300
Technical Services	675,900	580,300	500,500	509,900	455,300
Geologic Hazards	495,400	478,100	477,400	497,600	477,600
Board	4,100	4,300	3,000	4,400	3,300
Geologic Mapping	502,000	578,500	639,500	628,200	608,000
Energy and Minerals	1,102,800	1,047,800	1,233,000	1,290,100	1,063,600
Environmental	668,600	702,200	529,800	642,500	460,900
Information and Outreach	546,800	551,200	551,700	561,600	553,300
Conferences	56,700				
Total	\$4,581,700	\$4,497,300	\$4,525,300	\$4,771,100	\$4,228,300
Expenditures					
Personal Services	3,345,900	3,545,100	3,450,500	3,658,500	3,444,300
In-State Travel	33,700	39,900	33,400	46,800	29,300
Out of State Travel	32,400	15,200	24,100	32,900	21,000
Current Expense	580,100	516,600	526,100	519,400	476,200
DP Current Expense	339,600	224,900	167,700	193,800	147,000
DP Capital Outlay	58,800	12,600	39,700	10,000	
Capital Outlay	93,700	7,000	6,200		
Other Charges/Pass Thru	97,500	136,000	277,600	309,700	110,500
Total	\$4,581,700	\$4,497,300	\$4,525,300	\$4,771,100	\$4,228,300
FTE/Other					
Total FTE	61.6	63.5	61.9	65.6	59.8

*Non-state funds as estimated by agency.

4.2 Federal Funds

			FY 2003	FY 2004	FY 2005
			Actual	Estimated	Analyst
Program:	Utah Geological Survey	Federal	167,000	379,800	208,000
Fed Agency:	Department of Energy	State Match	130,200	353,600	119,300
Purpose:	Studies	Total	297,200	733,400	327,300
Program:	Utah Geological Survey	Federal	185,000	517,000	405,000
Fed Agency:	U.S. Geological Survey	State Match	90,400	42,800	359,900
Purpose:	Studies	Total	275,400	559,800	764,900
Program:	Utah Geological Survey	Federal	8,900	12,700	
Fed Agency:	U.S. Forest Service	State Match	2,200	3,200	
Purpose:	Studies	Total	11,100	15,900	0
Program:	Utah Geological Survey	Federal	67,300	8,300	4,500
Fed Agency:	National Park Service	State Match	44,500	8,000	4,300
Purpose:	Studies	Total	111,800	16,300	8,800
Program:	Utah Geological Survey	Federal	21,000	20,000	
Fed Agency:	Enviro. Protection Agency	State Match	3,300	25,700	
Purpose:	Studies	Total	24,300	45,700	0
Program:	Utah Geological Survey	Federal	108,300	43,700	40,000
Fed Agency:	Bureau of Land Mgt	State Match	14,800	19,600	19,600
Purpose:	Studies	Total	123,100	63,300	59,600
Program:	Utah Geological Survey	Federal	15,000	30,000	30,000
Fed Agency:	Bureau of Reclamation	State Match	15,000	30,000	30,000
Purpose:	Studies	Total	30,000	60,000	60,000
		Federal Total	572,500	1,011,500	687,500
		State Total	300,400	482,900	533,100
		Total	\$872,900	\$1,494,400	\$1,220,600

	FY 2004 Current	FY 2005 Proposed	Difference	FY 2005 Units	Revenue Change
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4.3 Utah Geological Survey Fees

In accordance with UCA 63-34-5, the following fees are proposed for the services of the Utah Geological Survey for [FY 2005](#).

Editorial:

Color Plots	\$3.00 set up + \$3/sq ft \$4.50/sq ft – special paper	\$3.00 set up + \$3/sq ft \$4.50/sq ft. - special paper			
Color Scanning	\$9.00/scan	\$9.00/scan			
Bluelines	\$0.25/sq ft	\$0.25/sq ft			
File Conversion	\$36.00/hr \$5.00 min	\$36.00/hr \$5.00 min			
Clear/Matte Mylars from Negatives	\$20.00 set up +\$6.00/sq ft	\$20.00 set up +\$6.00/sq ft			
Clear/Matte Mylars (Division Makes Negatives)	\$20.00 set up +\$11.00/sq ft	\$20.00 set up +\$11.00/sq ft			
Negatives	\$20.00 set up +\$9.00/sq ft	\$20.00 set up +\$9.00/sq ft			
Professional Services	\$36.00/hr	\$36.00/hr			

Sample Library:

On-Site Examination

Cuttings	\$2.00/box	\$2.00/box			
Core	\$3.00/box	\$3.00/box			
Coal	\$4.00/box	\$4.00/box			
Oil/Water (Brine)	\$3.00/bottle	\$3.00/bottle			
Core Layout Table	\$15.00/table	\$15.00/table			
Binocular/Petrographic Microscopes	\$15.00/day	\$15.00/day			
Sat/Sun/Holiday	60% surcharge	60% surcharge			

Off-Site Examination

Cuttings	\$4.00/box + shipping	\$4.00/box + shipping			
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	FY 2004 Current	FY 2005 Proposed	Difference	FY 2005 Units	Revenue Change
Core	\$6.00/box + shipping	\$6.00/box + shipping			
Coal	\$6.00/box + shipping	\$6.00/box + shipping			
Oil/Water (Brine)	\$7.00/bottle + ship & pack	\$7.00/bottle + ship & pack			
Hazardous Materials	\$12.00 pack +\$4.00 ship (approx)	\$12.00 pack +\$4.00 ship (approx)			
Core Plug	\$2.00/plug	\$2.00/plug			
Core Slabbing:					
1.8" Diam or Smaller	\$8.00/sq ft	\$8.00/sq ft			
1.8"-3.5" Diameter	\$10.00/sq ft	\$10.00/sq ft			
Larger Diameter	Negotiated	Negotiated			
Core Photographing:					
Box/Closeup	\$20.00/print (8x10 color)	\$20.00/print (8x10 color)			
Slides	\$10.00/ea	\$10.00/ea			
Coal Petrography	\$36.00/hr	\$36.00/hr			
Copying of Data	\$.10/pg	\$.10/pg			
Searches & Research	\$25.00/hr	\$25.00/hr			
General Building & Lab Use	\$35.00/day \$225.00/wk \$900.00/mo	\$35.00/day \$225.00/wk \$900.00/mo			
Applied:					
School Site Reviews					
Reviewing Geologic Hazards Report for New School Sites	\$450.00 + travel +\$36.00/hr	\$450.00 + travel +\$36.00/hr			
Preliminary Screening Of a Proposed School Site:					
One School	\$500.00	\$500.00			
Multiple in same city	\$700.00 + travel +\$36.00/hr	\$700.00 + travel +\$36.00/hr			

	FY 2004 Current	FY 2005 Proposed	Difference	FY 2005 Units	Revenue Change
Paleontology:					
File Search Requests					
Minimum Charge (up to 15 minutes)	\$30.00	\$30.00			
Hourly Rate (>15 min.)	\$60.00	\$60.00			
Miscellaneous:					
Copies	\$.10/copy Self serve \$.25/copy staff copy	\$.10/copy self serve \$.25/copy staff copy			
Large Format Copies	\$4.00/copy	\$4.00/copy			
Research Fee	\$36.00/hr	\$36.00/hr			
UGS Database Searches	\$36.00/hr \$5.00 min	\$36.00/hr \$5.00 min			
Media Charges					
Compact Disk (650 mb)	\$3.00/ea	\$3.00/ea			
Zip Disk					
100 MB	\$15.00/ea	\$15.00/ea			
250 MB	\$25.00/ea	\$25.00/ea			
Floppy Disk (1.44 MB)	\$2.00/ea	\$2.00/ea			
Paper Printout	\$0.10/ea	\$0.10/ea			
Custom Map Plots	\$15.00 min	\$15.00 min			
Bookstore	\$5/plot	\$5/plot			