

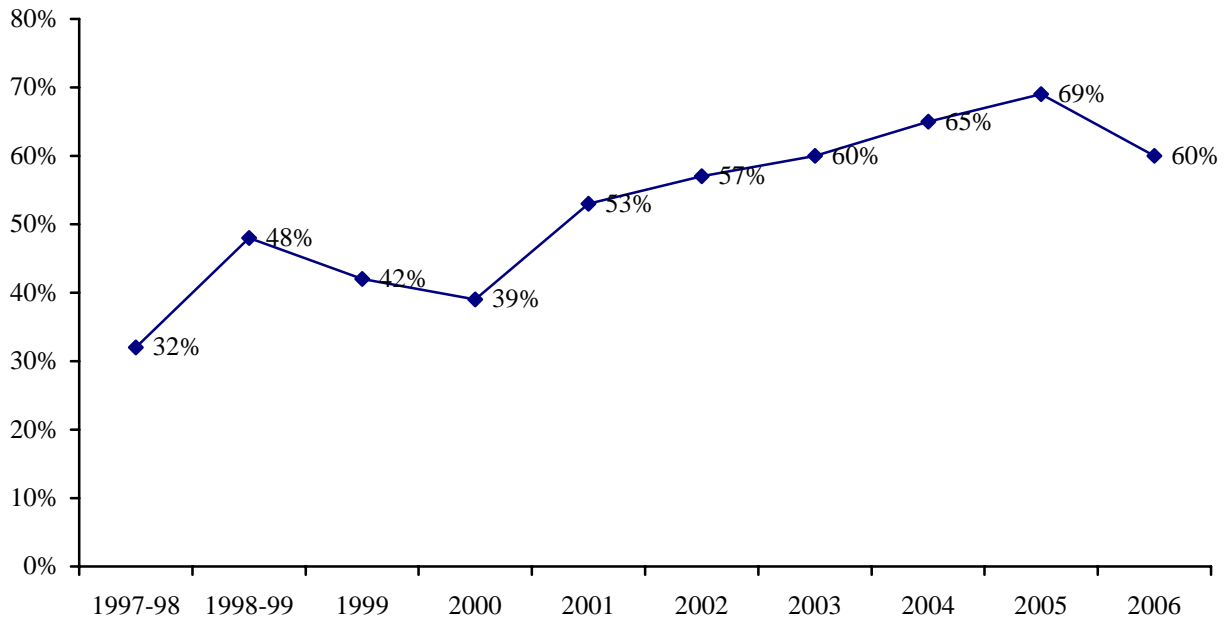


College of Biology & Agriculture

Summary of Sponsored Research (Grants & Contracts)

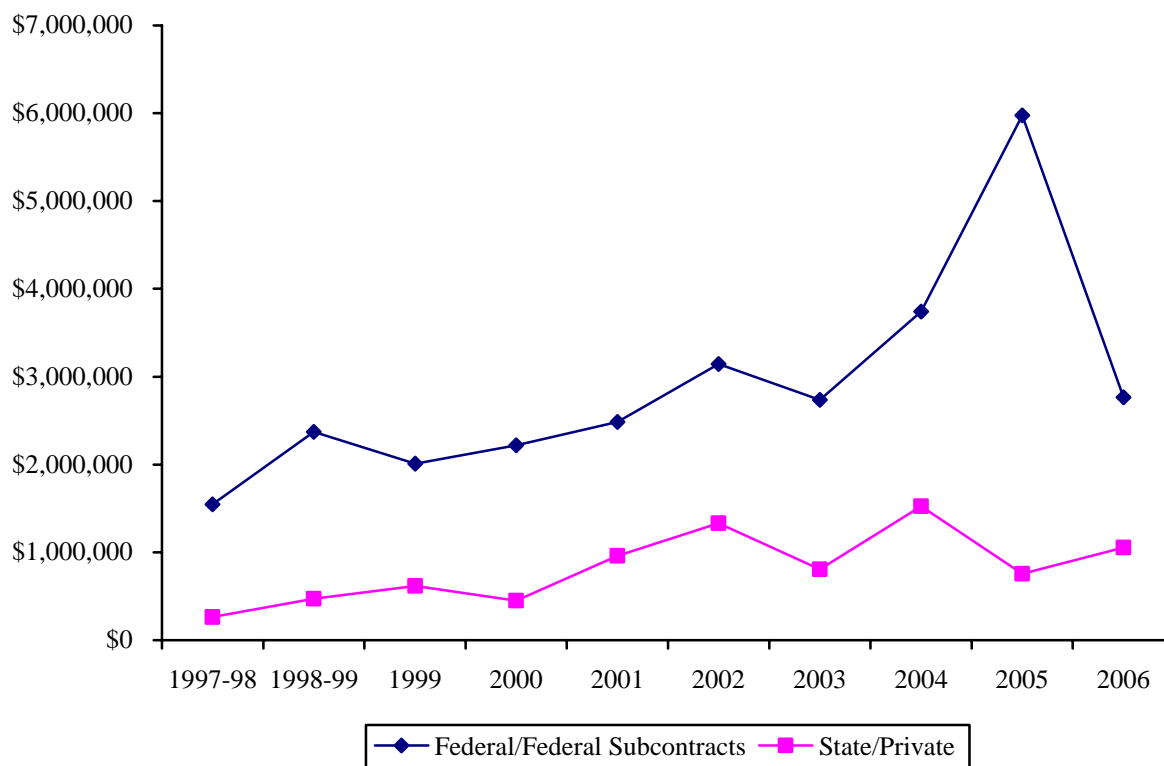
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Benson Institute	1	0	0	1	\$4,000
Bean Museum	1	0	0	1	\$6,667
Integrative Biology	20	20	36	55	\$1,775,159
Microbiology & Molecular Biology	18	8	15	6	\$236,499
Nutrition, Dietetics & Food Science	12	3	3	10	\$281,399
Physiology & Developmental Biology	15	3	3	7	\$973,518
Plant & Animal Science	23	20	19	30	\$541,277
TOTALS	90	54	76	110	\$3,818,519

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
1997-98	\$1,547,816	\$264,232	\$3,455,343
1998-99	\$2,370,292	\$471,857	\$11,160,635
1999	\$2,010,191	\$616,711	\$5,355,913
2000	\$2,218,777	\$447,877	\$3,985,131
2001	\$2,484,780	\$958,960	\$7,240,131
2002	\$3,144,951	\$1,331,910	\$5,384,623
2003	\$2,734,614	\$805,898	\$3,740,771
2004	\$3,744,218	\$1,525,364	\$5,908,017
2005	\$5,974,159	\$755,983	\$6,805,888
2006	\$2,763,746	\$1,054,773	\$3,818,519



College of Biology and Agriculture 2006 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>
Bean Museum							
Clark, Shawn	w/ Anderson, Val	Natl. Fish & Wildlife Fndtn. (BLM)	Pollinator Conservation in the Great Basin	3/1/2006	7/31/2007	4	\$6,667
Integrative Biology							
Anderson, Val		Ntl. Fish & Wildlife Fndtn. (BLM)	Pollinator Conservation in the Great Basin	3/1/2006	7/31/2007	4	\$6,667
Anderson, Val		BASF Corp.	Cheatgrass Control Project	1/1/2002	12/31/2010	4	\$2,500
Atwood, Duane		BLM-Dept of Interior	Floristic Study of Rich County, Utah....	8/10/2005	5/30/2007	1	\$8,000
Belk, Mark	w/ Hotchkiss, Rollin	USU (USGS)	Potential Impacts of Flow Augmentation on Streams	3/1/2006	2/28/2007	2	\$6,667
Belk, Mark	w/ Hotchkiss, Rollin	UDOT	Fish Passage at Utah Culverts	6/1/2006	6/1/2008	3	\$37,083
Cameron, Stephen		NSF REU	Supplement to Mitochondrial Research on Lice Project	4/12/2006	2/29/2008	1	\$3,000
Cates, Rex		NPS-Yellowstone	Temperature Influence on Willow Growth & Phenolic Production	8/1/2005	5/1/2008	1	\$22,126
Crandall, Keith		NSF-REU	Systematics and Evolution of Barnacles	4/18/2006	8/31/2006	1	\$6,000
Crandall, Keith		NSF	ATOL	7/5/2006	8/31/2007	1	\$112,500
Crandall, Keith	w/ Gee, Burton	Johns Hopkins (NIH)	Tissue & Cell Reservoirs for HIV	1/1/2006	12/31/2006	2	\$85,701
Crandall, Keith		Johns Hopkins	Molecular Epidemiology of N Gonorrhoeae in Baltimore	3/1/2006	2/28/2007	2	\$116,784
Crandall, Keith		Arkansas Game and Fish Commission	Arkansas Crayfish	3/1/2005	6/1/2007	3	\$15,000
Crandall, Keith		BSF	Systematic and Phylogeography	10/1/2006	9/30/2007	4	\$11,500
Flinders, Jerran		Utah Reclamation Mitigation and Conservation Commission	Strawberry Valley Sage Grouse Conservation & Recovery Project	3/1/2003	6/30/2009	3	\$98,120
Flinders, Jerran		Utah Dept. of Natural Resources (DWR)	Bighorn Sheep Recovery & Conservation in N Utah	7/1/2004	12/31/2009	3	\$155,220
Flinders, Jerran		Salt Lake Co. Fish & Game Assoc.	Chukar Study	2/26/2006	5/1/2007	4	\$612
Flinders, Jerran		Nevada Chukar Foundation	Chukar Study	4/12/2006	5/1/2007	4	\$10,000
Flinders, Jerran		Utah Chukar Foundation	Benefits Impacts and Proper Spacing...	8/13/2006	8/12/2007	4	\$3,000
Flinders, Jerran		Pheasants Forever	Water Developments for Populations of Chukar Partridge	2/8/2005	8/12/2007	4	\$500
Flinders, Jerran		Water for Wildlife	Benefits Impacts and Proper Spacing...	6/13/2006	6/17/2006	4	\$5,000
Flinders, Jerran		Sportsmen for Habitat	Conservation & Recovery of Sage Grouse in Strawberry Valley	3/6/2006	3/5/2007	4	\$10,000
Flinders, Jerran	w/ Robinson, Todd	NWTF	Western Food Plot Plantings with Drought Tolerant....	6/1/2006	12/31/2006	4	\$10,000
Flinders, Jerran		Dept of Natural Resources	Habitat Use, Behavior and Limiting Factors Affecting the Pygmy Rabbit	7/1/2006	6/30/2007	3	\$60,000
Hanegan, Nikki	w/Crandall, Keith	NSF	ATOL	7/5/2006	8/31/2007	1	\$112,500
Hatch, Kent		USDA Forest Service	Columbia Spotted Frog Population	9/21/2006	9/30/2008	1	\$12,290
Hatch, Kent		Taiwan University	Migration of Comorants	6/1/2006	5/31/2007	4	\$9,189
Johnson, Leigh		NSF-RUI	Phlogenetic & Evolutionary Inferences....	1/15/2004	12/31/2006	1	\$19,265
Johnson, Leigh		NSF-REU	Phlogenetic & Evolutionary Inferences....	1/15/2004	12/31/2006	1	\$6,000
Johnson, Robert	w/Anderson, Val	Ntl. Fish & Wildlife Fndtn. (BLM)	Pollinator Conservation in the Great Basin	3/1/2006	7/31/2007	4	\$6,666
Miller, Kelly		NSF	Collaborative Research	5/18/2006	8/31/2006	1	\$5,000
Miller, Kelly		NSF	Phylogeny, Behavior, and Silk Evolution of Webspinners	6/22/2006	8/31/2007	1	\$67,712
Peck, Steven		USDA Forest	Managing Insect Resistance to Transgenic	1/7/2004	8/31/2007	1	\$20,000

		Service	Crops				
Peck, Steven		USDA, ARS PWA	Bactrocera Movement	9/27/2006	9/23/2008	1	\$15,000
Peck, Steven		USDA ARS HI	Bactrocera Movement	9/27/2006	9/23/2008	1	\$15,000
Peck, Steven		USDA ARS HI	Bactrocera Movement	9/27/2006	9/23/2008	1	\$15,000
Rader, Russ	w/ Hotchkiss, Rollin	USU (USGS)	Potential Impacts of Flow Augmentation on Streams	3/1/2006	2/28/2007	2	\$6,666
Raymer, Danny	w/ Robinson, Todd	NWTF	Western Food Plot Plantings with Drought Tolerant....	6/1/2006	12/31/2006	4	\$10,000
Robinson, Todd		NWTF	Western Food Plot Plantings with Drought Tolerant....	6/1/2006	12/31/2006	4	\$10,000
Roundy, Bruce		USGS-Dept of Interior	A regional experiment to evaluate fire....	7/12/2005	5/22/2007	1	\$262,296
Shiozawa, Dennis		USDA Forest Service	DNA Analysis of Colorado River Cutthroat Trout	9/23/2005	10/1/2006	1	\$4,437
Shiozawa, Dennis		Utah DWR	Genetic Analysis of Cutthroat Trout	11/1/2003	6/30/2006	3	\$990
Shiozawa, Dennis		Utah DWR	Genetic Analysis of Cutthroat Trout	11/1/2003	6/30/2006	3	\$990
Shiozawa, Dennis		Utah DWR	Genetic Analysis of Cutthroat Trout	11/1/2003	6/30/2006	3	\$10,010
Shiozawa, Dennis		CDOW	Genetic Analysis of Colorado River Cutthroat Trout	6/28/2006	6/30/2006	3	\$24,985
Sites, Jack		NSF	The Phylogen of Xantusiidae...	6/1/2002	5/31/2007	1	\$10,167
Sites, Jack		NSF	Resolving Squamate Phylogeny...	5/31/2005	12/31/2006	1	\$6,000
Sites, Jack		NSF	Resolving Squamate Phylogeny	6/12/2006	12/31/2008	1	\$228,640
Sites, Jack		U of Kansas (NSF)	NerpNet	9/1/2006	8/31/2007	2	\$8,140
Whiting, Michael	w/Cameron, Stephen	NSF REU	Supplement to Mitochondrial Research on Lice Project	4/12/2006	2/29/2008	1	\$3,000
Whiting, Michael	w/Miller, Kelly	NSF	Collaborative Research	5/18/2006	8/31/2006	1	\$5,000
Whiting, Michael	w/Wood, Stephen	USDA Forest Service	Bark and Ambrosia Beetles of South America	8/31/2005	6/30/2008	1	\$26,000
Whiting, Michael	w/Miller, Kelly	NSF	Phylogeny, Behavior, and Silk Evolution of Webspinners.	6/22/2006	8/31/2007	1	\$67,711
Wood, Stephen		USDA Forest Service	Bark and Ambrosia Beetles of South America	8/31/2005	6/30/2008	1	\$26,000
Woolstenhulme, L.A.		Heavenly Valley	Ecological and Genetic Variation within and among Populations...	7/1/05	12/31/07	4	\$6,410
Zou, Jiping	w/ Cates, Rex	NPS-Yellowstone	Temperature Influence on Willow Growth & Phenolic Production	8/1/2005	5/1/2008	1	\$22,125
Microbiology and Molecular Biology							
Bridgewater, Laura		NIH	Augmented Virtuality Interface Concepts	8/1/2006	7/31/2007	1	\$159,499
Evans, Paul	w/ Shiozawa, Dennis	Utah DWR	Genetic Analysis of Cutthroat Trout	11/1/2003	6/30/2006	3	\$990
Evans, Paul	w/ Shiozawa, Dennis	Utah DWR	Genetic Analysis of Cutthroat Trout	11/1/2003	12/31/2006	3	\$10,010
Robison, Richard		USAMRAA	Curated Archive of Viable Select Agents	10/18/2006	12/31/2006	1	\$46,000
Robison, Richard		US Army (Dugway)	Use of a Quadrplexed Real-time PCR Assay....	8/17/2006	2/16/2007	1	\$10,000
Robison, Richard		EAU Technologies	Efficacy of Primacide in Reducing Bacterial Contamination in Chicken Processing	4/28/2006	12/31/2006	4	\$10,000
Nutrition, Dietetics and Food Science							
Christensen, Allen		Reinhart Foundation	Maya Genealogy Project	7/1/2004	12/31/2006	4	\$4,000
Dunn, Michael		SUSTAIN	Fortification of Nixtamal Tortillas	11/1/2004	10/31/2006	4	\$29,779
Dunn, Michael		SUSTAIN	Evaluation of Techniques Used by Title II Food Recipients	7/1/2005	12/31/2006	4	\$24,820
Ogden, Lynn		BAF	Consumer Acceptance Panels	1/1/2006	12/31/2006	\$	\$6,800
Ogden, Lynn		LDS Welfare Svcs.	Sensory Tests	6/3/2005	12/31/2010	4	\$10,000
Ogden, Lynn		BAF	Taste Panels	1/1/2005	12/31/2006	4	\$10,700
Ogden, Lynn		LDS Welfare Svcs.	Sensory Tests	11/7/2006	12/31/2010	4	\$2,800

Ogden, Lynn		BAF	Consumer Taste Preferences	1/1/2006	12/31/2006	4	\$8,800
Ogden, Lynn		BAF	Consumer Evaluation	1/1/2006	12/31/2006	4	\$2,700
Pike, Oscar		LDS Welfare Services	Quality Food Labs	1/1/2006	12/31/2006	4	\$155,000
Steele, Frost		LDS Deseret Meats	Pathogen Analysis for Meat Products Produced at Deseret Meats	1/1/2006	12/31/2006	4	\$30,000
<i>Plant and Animal Sciences</i>							
Allen, Phil		USDA Forest Service	Developing Container Propagation Protocols	7/7/2004	9/30/2008	1	\$40,000
Allen, Phil		USDA Forest Service	Exploring the Potential for the Use of Pyrenophora....	7/29/2006	9/1/2006	1	\$50,000
Anderson, Val		Forest Service	Evaluation of Effects on Flower and Seed....	5/9/2005	9/30/2009	1	\$57,000
Anderson, Val		Forest Service	Agronomic and Cultural Care of Wildland Plants	6/1/2003	5/28/2008	1	\$30,000
Coleman, Craig	w/ Maughan, Jeff	Bolivian Ministry of Agriculture	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$2,417
Coleman, Craig	w/ Fairbanks, Daniel	Bolivian Ministry of Agriculture	Sustainable Production of Quinoa	3/1/2006	2/28/2010	4	\$4,750
Fairbanks, Daniel	w/ Maughan, Jeff	Bolivian Ministry of Agriculture	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$2,417
Fairbanks, Daniel		McKnight Foundation	Sustainable Production of Quinoa	3/1/2006	2/28/2010	4	\$4,750
Flinders, Jerran		Dept of Natural Resources	Habitat use, behavior and limiting factors affecting the pygmy rabbit	7/1/2006	6/30/2007	3	\$60,000
Geary, Bradley	w/ Maughan, Peter	Bolivian Ministry of Agriculture	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$2,417
Geary, Bradley	w/ Stevens, Michael	California Tomato Commission	Characterizing New Tomato Spotted Wilt Virus	3/1/2006	2/28/2007	3	\$12,333
Geary, Bradley		USDA Forest Service	Establishment of Native Plants	7/21/2006	9/30/2009	1	\$25,000
Geary, Bradley	w/ Fairbanks, Daniel	McKnight Foundation	Sustainable Production of Quinoa	3/1/2006	2/28/2010	4	\$4,750
Jellen, Eric	w/ Maughan, Jeff	Bolivian Ministry of Agriculture	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$2,417
Jellen, Eric	w/ Fairbanks, Daniel	McKnight Foundation	Sustainable Production of Quinoa	3/1/2006	2/28/2010	4	\$4,750
Jolly, Von	w/ Maughan, Jeff	Bolivian Ministry of Agriculture	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$2,417
Kellems, Richard		CUWCD-State of Utah	Determine Economic and Commercial Uses for Utah Lake Common Carp	5/2/2006	5/1/2008	3	\$57,446
Maughan, Peter	w/ Fairbanks, Daniel	McKnight Foundation	Sustainable Production of Quinoa	3/1/2006	2/28/2010	4	\$4,750
Maughn, Jeff		Bolivian Ministry of Agriculture	Genetic improvement of Quinoa	2/1/2005	10/31/2007	4	\$2,417
Robinson, Todd		Utah State Dept of Natural Resources	Diet Reconstruction of Wild Turkeys of Central Utah	7/1/2006	6/30/2009	3	\$15,000
Scott, John	w/ Stevens, Mikel	California Tomato Commission	Characterizing New Tomato Spotted Wilt Virus	3/1/2006	2/28/2007	3	\$12,333
Stevens, Mikel	w/ Maughan, Jeff	Bolivian Ministry of Agriculture	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$2,417
Stevens, Mikel		USDA Forest Service	Analysis of the Endangered Species Phacelia Argillacea	7/25/2006	7/1/2008	3	\$9,000
Stevens, Mikel		USDA Forest Service	Intra and Inter Population Molecular Genetics of Tall Forb Species	7/19/2006	9/30/2007	3	\$10,000
Stevens, Mikel		California Tomato Commission	Characterizing New Tomato Spotted Wilt Virus	3/1/2006	2/28/2007	3	\$12,334
Stevens, Mikel	w/ Fairbanks, Daniel	McKnight Foundation	Sustainable Production of Quinoa	3/1/2006	2/28/2010	4	\$4,750
Webb, Bruce		USGS, APS	Soil Analysis	4/15/2003	12/31/2006	1	\$14,022
Webb, Bruce		USGS	Soil & Plant Analysis	9/16/2005	9/25/2007	1	\$49,980
Webb, Bruce		USGS	Soil & Plant Analysis	9/16/2005	9/25/2007	1	\$35,000
Woolstenhulme, Loreen		Heavenly Valley	Ecological and Genetic Variation Within and among Populations	7/1/2005	12/31/2007	4	\$6,410
Woolstenhulme, Loreen		Mt Rose Ski Resort	Ecological and genetic Variation Within ...Draba	7/1/2005	12/31/2007	4	\$6,410

**Physiology and
Developmental
Biology**

Barrow, Jeff		NIH	The Role of Cell Polarity in Vertebrate Limb Outgrowth	8/1/2006	7/31/2007	1	\$75,000
Busath, David		Florida State University (NIH)	Function and Structure of Gramicidin	3/1/2005	2/28/2006	2	\$24,000
Busath, David		Florida State University (NIH)	Function and Structure of Gramicidin	3/1/2005	2/28/2007	2	\$67,032
Judd, Alan	w/Bell, John	NIH	Action of Phosphospholipase A2 on Apoptotic Cells	4/1/2005	3/31/2008	1	\$112,500
Porter, James		American Heart Assoc.	Mechanisms of Fetal Programming of Hypertension	7/1/2006	6/30/2007	4	\$70,000
Stark, Michael		NIH	Genes Regulating Neurogenesis	5/1/2006	4/30/2007	1	\$224,107
Winder, William		NIH	Physiology of Malonyl-CoA in Muscle During Exercise	9/1/2006	8/31/2007	1	\$183,379
Winder, William		NIH	Regulation of Skeletal Muscle LKB1	7/1/2006	5/31/2007	1	\$330,00

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals

Integrative Biology	\$1,775,159
Microbiology & Molecular Biology	\$236,499
Nutrition, Dietetics & Food Science	\$281,399
Physiology & Developmental Biology	\$973,518
Plant & Animal Science	\$541,277
Bean Museum	\$6,667
Benson	<u>\$4,000</u>
College Total:	\$3,818,519

Biology & Agriculture

Source Breakdown of Grants and Contracts

<u>Sponsor</u>	<u>Number Awarded</u>	<u>Total Amount</u>
Federal		
BLM Dept of Interior	1	\$8,000
Dept of Interior-USGS	1	\$262,296
NIH	5	\$971,985
NPS-Yellowstone	1	\$44,251
NSF-REU	10	\$652,495
US Army (Dugway)	1	\$10,000
USAMRAA	1	\$46,000
USDA ARS	3	\$45,000
USDA Forest Service	11	\$309,727
USGS	3	\$99,003
Total	37	\$2,448,757
Subcontracts		
Florida State University (NIH)	1	\$67,032
Florida State University (NIH)	1	\$24,000
Johns Hopkins (NIH)	2	\$202,485
U of Kansas (NSF)	1	\$8,140
USU (USGS)	1	\$13,333
Total	6	\$314,989
State		
Arkansas Game and Fish Commission	1	\$15,000
California Tomato Commission	1	\$37,000
CDOW	1	\$24,985
CUWCD-State of Utah	1	\$57,446
Dept of Natural Resources	1	\$60,000
UDOT	1	\$37,083
URMCC	1	\$98,120
Utah DWR	3	\$23,980
Utah State Dept of Natural Resources	2	\$170,220
Total	12	\$523,834
Private		
American Heart Assoc.	1	\$70,000
BAF	4	\$29,000

BASF Corp.	1	\$2,500
Bolivian Ministry of Ag	1	\$16,919
BSF	1	\$11,500
Carson Valley Chukar Club	1	\$5,000
EAU Technologies	1	\$10,000
Heavenly Valley	1	\$6,410
LDS Deseret Meats	1	\$30,000
LDS Welfare Services	3	\$167,800
McKnight Foundation	1	\$28,500
Mt Rose Ski Resort	1	\$6,410
Nevada Chukar Foundation	1	\$10,000
Natl. Fish & Wildlife Fndtn. (BLM)	1	\$20,000
NWTF	1	\$30,000
Pheasants Forever	1	\$500
Reinhart Foundation	1	\$4,000
Salt Lake County Fish & Game Association	1	\$612
Sportsmen for Habitat	1	\$10,000
SUSTAIN	2	\$54,599
Tawain University	1	\$9,189
Utah Chukar Foundation	1	\$3,000
Water for Wildlife	1	\$5,000
<i>Total</i>	29	\$530,939

