

Geoscientists-in-the-Parks FY2012 - Accomplishments Report

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Natural Resource Stewardship and Science
Geologic Resources Division



The GIP Program provides on-the-job geoscience training for America's youth, builds technical capacity for parks, introduces students to careers in the NPS, and enhances the public's understanding of the Earth sciences. In FY2012 the Geoscientist-in-the-Parks (GIP) program placed 111 participants in parks to assist with unmet geoscience and integrated science needs. Geoscientists were placed in 47 parks in all NPS Regions, two I&M Networks, the Denver Service Center, and several Washington offices. Program partners include *The Geological Society of America* and the *National Association of Geoscience Teachers*. Twelve (12) percent of the GIPs were from ethnic groups typically under-represented in the geosciences, three times higher than the diversity in the U.S. geoscience workforce. GIPs completed work valued at \$2.76 million for a cost of \$697,329 to the NPS, a noteworthy payback of 4:1. The GIP Program has grown over 150% in the past 5 years, reflecting the high value parks perceive from these positions.

FY2012 GIP Program Summary

There are three types of Geoscientists-in-the-Parks positions – standard GIPs, Guest Scientists, and Diversity Interns. GIP positions are geared towards students and typically last 10 – 12 weeks in the summer. GIP interns receive a stipend of \$2,750 per three months of work. Guest Scientist positions involve a higher level of expertise and/or a longer term appointment to complete the project (up to one year). Stipends for Guest Scientists range from \$1,000 - \$2,000/month, based on the participant's expertise. Diversity Internships target hiring from under-represented groups (EEO classifications shown in Table 6). Diversity internships usually last for 3 months and the participants receive a \$2,750 stipend plus a \$500 travel scholarship. All GIP Program participants receive free housing or housing allowance and a \$250 travel allowance. The distribution of GIP positions by type in FY2012 is shown in Table 1.

Table 1: Distribution of GIP positions.

Type of Position	# positions
GIP Intern	80
Guest Scientist	14
Diversity Intern	17
TOTAL	111

GIPs were placed servicewide in 47 parks, two inventory and monitoring networks, the Denver Service Center, and several Washington offices. Over half of the positions were in Intermountain and Pacific West Region parks. The distribution of GIP positions by park and region is shown in Table 2. A listing of GIP positions, titles, and participants is shown at the end of this report in Tables 11 and 12.

Table 2: GIP positions by park and region

Region	# Positions	Parks
Alaska Region	6	DENA (4), KATM, KEFJ
Intermountain Region	36	BITH, BRCA (4), CARE (2), CHCU, DINO (3), ELMA/ELMO, FLFO (4), FOBU (3), GLAC (3), GLCA, GRCA (4), GRSA, GRTE, GUMO, NGPN, ROMO, WABA, WHSA (2), ZION
Midwest Region	4	BADL (2), GRPO, WICA
National Capital Region	5	ANTI, CATO (2), CHOH (2)
Northeast Region	12	ASIS (2), CACO (2), DEWA, FIIS, GATE (4), NCBN (5), SHEN (2), UPDE
Pacific West Region	29	CRMO (2), DEVA (2), GOGA, GRBA (2), JODA (3), MOJA, MORA (9), ORCA (9)
Southeast Region	7	COSW, HOBE, MACA (4), NISI
Washington Office (WASO)	12	BRMD (2), DSC, GRD (9)
TOTAL	111	

Note: The number of parks can exceed the number of positions. Some GIP projects are associated with more than one park.

GIP participants represented a broad range of geologic disciplines - from coastal geology to paleontology to hydrology (Table 3). Project categories were almost equally split between inventory/monitoring, interpretation/education, and other multi-faceted and research projects (Table 4).

Table 3: GIP positions by geologic discipline.

Discipline	# Projects
Cave / Karst	6
Climate Change	1
Coastal	4
Energy and Minerals	3
Geologic Hazards	5
General Geology	40
Geomorphology	5
Glaciology	1
Hydrology - General	5
Hydrology - Groundwater	1
Hydrology - Stream	1
Multi-disciplinary	7
Paleontology	31
Volcanology	1

Table 4: GIP positions by project category.

Project Category	# Projects
Interpretation / Education	39
Inventory and Monitoring	35
Multi-faceted	12
Research	25

Fifty percent of program participants were undergraduate or graduate students, with an additional 18% having recently earned their undergraduate or graduate degree (see Table 5). Thirty-two percent of the GIP participants did not specify their educational level.

Table 5: GIP positions by education level.

Education	# Positions
Undergraduate student	42
Graduate student	14
B.S. / B.A. degree	14
M.S. / M.A. degree	2
PhD degree	1
Graduate degree, unspecified	3
Not reported	35

GIP Program Diversity

In FY2012, diversity internships were a central component of the GIP Program. Diversity internships are those defined by the EEO classes shown in Table 6. These classes do not take in to account other more broadly defined types of diversity (e.g., gender, creed, age, marital status, national origin, sexual orientation, and disability). This year, seventeen diversity internships were advertised with thirteen positions filled by applicants from these EEO groups, representing 12% ethnic diversity in the GIP Program. Several positions advertised as diversity positions did not result in the selection of a diverse GIP participant because GSA and the NPS hires solely on merit, without consideration of ethnic or racial diversity.

In order to attract diverse applicants, GSA and the NPS promote the program and recruit for program participants from universities and organizations that serve under-represented populations (e.g., SACNAS – *Society for the Advancement of Chicanos and Native Americans in Science*, NABGG – *National Association of Black Geologists and Geophysicists*, HBCU - *Historically Black Colleges and Universities*, HACU – *Hispanic Association of Colleges and Universities*, AIHEC – *American Indian Higher Education Consortium*, and others). In addition, GRD staff reaches out to NPS Youth Programs' office, the NPS EEO office, and others to seek applicants from under-represented groups. Over the past several years, advertising positions as "Diversity Internships" has resulted in a much more diverse applicant pool and in the selection of more individuals that are typically under-represented in the geoscience workforce.

Table 6: GIP positions by ethnicity.

Ethnicity	# Positions	Program %
Asian	5	4.5%
Black	2	1.8%
Caucasian (White, not Hispanic)	62	55.8%
Hispanic	4	3.6%
Native American/ Alaskan Native	2	1.8%
Native Hawaiian / Other Pacific Islander	1	.9%
Not reported	36	32.5%

Overall, the diversity in the GIP Program is greater than that represented in the U.S. geoscience workforce. For example, according to the American Geological Institute, participation by under-represented populations in geoscience occupations in 2006 was 3.6% for Hispanics, .9% for Blacks, and 1.5% for Native Americans (<http://www.agiweb.org/workforce/Currents/Currents-035-MinoritiesinGeosciOccupations.pdf>).

Program participation by women in FY2012 was 57% (63 interns), 13% higher than the current percentage of female geoscience students in the United States. (http://gsa.confex.com/gsa/2008AM/finalprogram/abstract_149887.htm).

Table 7: GIP positions by gender.

Gender	# Persons	Program %
Female	63	57%
Male	47	43%

Program Funding and Expenditures

In FY2012 total GIP Program costs were \$802,632, of which the NPS paid \$697,329. The remaining \$105,303 was paid by park associations and program partners (see Table 8). NPS funding is obtained from a variety of sources including the Geologic Resources Division, parks, and other NPS offices and programs (e.g., NRSS, Youth Internship, and Volunteer in Parks Programs).

Table 8: Geoscientists-in-the-Parks Program expenditures in FY 2012.

Funding Source*	Amount Expended
Geologic Resources Division	\$358,394
Inventory & Monitoring Program (GRI, and other I&M network funds)	\$52,414
Youth Internship Program funding	\$6,000
Parks	\$280,521
NPS sub-total	\$697,329
Park Associations	\$24,328
Geological Society of America	\$50,460
GSA Foundation	\$18,515
National Association of Geoscience Teachers (NAGT)	\$12,000
Partner sub-total	\$105,303
TOTAL	\$802,632

*Expenditures are based on the most current data in the NPS GIP database (as of 10/4/12).

In FY2012, GRD staff continued to seek program funding, such as preparing Volunteer in Parks and Youth Internship Program funding proposals. GRD staff also worked with the WASO Youth Programs office and NRSS Partnerships office to explore sustainable program funding options. A goal for the program in 2013 is to pursue sustainable NPS or partner funding for the program.

The GIP Program balance available after payment of FY2012 invoices is \$464,067 (see Table 9), which will not continue the GIP Program at current levels in FY2013 without additional funding. GRD currently has \$251,995 obligated to support FY2013 positions. An additional \$212,072 has been obligated by parks, I&M programs, and networks to cover their 50% cost match for GIP positions. An addition of about \$230,000 will be needed from GRD and/or park funds to maintain FY2012 placement levels. The GIP could likely grow in FY2013, based on the park's needs for geoscience expertise.

Table 9: Status of Funding for the GIP Program.

Task Agreement #	Balance After Payment of FY12 Invoices
P11AT70915	\$151,926
P12AC10066	\$0
P12AC10502	\$312,141
BALANCE	\$464,067*

*GRD's portion of the remaining balance is \$251,995 which will be used to share costs for FY2013 GIP positions.

Value and Cost Benefit of GIP Work

GIP Program participants in FY2012 worked 58,916 hours in NPS units. Under the NPS Volunteer in Parks Act (16 USC Sec. 18g) GIP participants are considered volunteers. The value of an average volunteer as determined by the Federal Interagency Team on Volunteerism is \$21.79/hour (http://independentsector.org/volunteer_time), resulting in GIP work worth \$1,283,780 which equates to a value per NPS program dollar spent of approximately 2 to 1.

Since GIPs have specialized geoscience expertise, a more appropriate value for geoscientist's work is the Bureau of Labor Statistics rate of \$46.97/hour (<http://www.bls.gov/oes/2011/may/oes192042.htm>), resulting in a total FY2012 valuation of \$2,767,285 which equals a payback of about 4 to 1 for every NPS dollar expended, demonstrating that geoscience work completed by GIPs is highly cost-effective for the NPS.

Program Partners

External program partners contributed 13% of the program costs (\$105,303) in FY 2012 to support GIP positions in NPS units. Below is a brief summary of the two GIP Program partnerships.

Geological Society of America – GeoCorps America™ Program

- NPS partners with GSA's GeoCorps America™ Program to place geoscientists in NPS, USFS, and BLM units to assist with their geoscience needs;
- The goals of the GIP/GeoCorps America partnership are to provide on-the-job geoscience training for America's youth, build technical capacity for parks, introduce students to careers in the NPS, and enhance the public's understanding of the Earth sciences.
- Seventeen (17) year partnership, primary partner to the NPS Geoscientists-in-the-Parks Program;
- Five (5) year Cooperative Agreement executed in August 2008, amended in 2009;
- GSA annually contributes a minimum of \$50,000 towards the program. In addition, the GSA Foundation annually supports two or more positions, primarily in Alaska;
- GSA maintains an online system for posting position descriptions and applications, recruits qualified applicants for each position, and provides day-to-day administrative program support;
- In 2012, GSA developed a facebook page (<http://www.facebook.com/GeoCorps>) to help foster communication among GeoCorps/GIP participants and to convey important information related to job opportunities.

National Association of Geoscience Teachers (NAGT) – Geoscience Teachers-in-Parks

- 7 year partnership with NAGT (2006 – 2012);
- Program began at Mammoth Cave NP and expanded to Mount Rainier NP in FY2012;
- Six Earth Science teachers worked this summer (3 at each park) to: gain on-the-ground work experience, assist with the park's Earth science needs and to build long-term relationships with neighboring schools and communities;

- NAGT and their partners pay for the majority of the program costs with the parks picking up the remaining costs.

Table 10: Number of GIP Positions by partner organization.

Partner	# Positions
Geological Society of America (includes AWG sponsorship)	105
National Association of Geoscience Teachers	6

GIP Program Websites and Databases

The GIP Intranet and Internet sites are continually being upgraded to enhance the delivery of program information and to showcase the work done by the GIPs. FY2012 Intranet site improvements include updated resources for parks interested in obtaining a GIP intern and a searchable database of GIP work products such as reports, videos, and trail guides (<http://inside.nps.gov/waso/waso.cfm?prg=748&lv=4>). Improvements to the GIP Internet site include an orientation and mentoring toolkit for NPS supervisors and interns (<http://www.nature.nps.gov/geology/gip/mentor.cfm>) and updated program information and search capabilities for GIP project information and work products (<http://nature.nps.gov/geology/gip/index.cfm>).

The NPS GIP database tracks project and participant information, funding data, task agreement and account funding status, and lists all products completed for each GIP project. FY2012 database enhancements include upgrades to better track individual project and budgetary information, new report templates, and the development of procedures to easily transfer program data from GSA's GeoCorps America database to NPS's GIP database. In FY2012, NPS staff worked with David Joseph (NPS retiree) and GSA to upgrade their online application system, program databases, and data transfer capabilities.

Table 11: 2012 Geoscientists-in-the-Parks positions with spring or summer start dates.

PARK	POSITION
1. Antietam National Battlefield (Maryland)	Hydrogeologist (Jonathon Jamison)
2. Assateague Island National Seashore (Maryland, Virginia)	Coastal Geologist (Madeleine Pascolini)
3. Assateague Island National Seashore (Maryland, Virginia)	Coastal Geologist / Educator (Susan McCormick)
4. Badlands National Park (South Dakota)	Field Paleontologist (Evan Doughty)
5. Badlands National Park (South Dakota)	Quarry Paleontologist (Danny Redding)
6. Biologic Resource Management Division (Colorado)	Human Dimensions Specialist (Melinda Clarke)
7. Bryce Canyon National Park (Utah)	Field Paleontologist / Geomorphologist / Geologist (Greg Bongey)
8. Bryce Canyon National Park (Utah)	Park Guide / Podcast Developer (Katherine Lodder)
9. Bryce Canyon National Park (Utah)	Astrocorps (Alexander Crawford)
10. Bryce Canyon National Park (Utah)	Astrocorps / Park Guide / Planetologist (Brittnei Sherrod)
11. Cape Cod National Seashore (Massachusetts), Northeast Coastal and Barrier Network (Massachusetts)	Coastal Geologist (Rachael Dye)
12. Cape Cod National Seashore (Massachusetts), Northeast Coastal and Barrier Network (Massachusetts)	Coastal Geologist (Mandy Toong)
13. Capitol Reef National Park (Utah)	Geology Interpreter / Educator (Caitlin Olejniczak)
14. Capitol Reef National Park (Utah)	Geology Interpreter / Educator (Derek Raisanen)
15. Catoctin Mountain Park (Maryland)	Geosciences / Soils / GIS Specialist (John Berlejung)
16. Chaco Culture National Historical Park (New Mexico)	Interpretation Specialist (Pamela Stewart)
17. Chesapeake & Ohio Canal National Historical Park (District of Columbia, Maryland, Virginia, West Virginia)	Hydrogeologist / Wetlands Scientist (Kriddie Whitmore)
18. Chesapeake & Ohio Canal National Historical Park (District of Columbia, Maryland, Virginia, West Virginia)	Hydrogeologist / Wetlands Scientist (Emily Long)
19. Craters of the Moon National Monument & Preserve (Idaho)	Geologic Assistant (Emily Carbone)
20. Craters of the Moon National Monument & Preserve (Idaho)	Geology Educator (Rebecca Garcia)
21. Death Valley National Park (California, Nevada)	Physical Science Technician (Meagan Thibodaux)
22. Delaware Water Gap National Recreation Area (New Jersey, Pennsylvania)	Geologist (Alexander Colon)
23. Denali National Park (Alaska)	Geoheritage Education Specialist (Lucy Chang)
24. Denali National Park (Alaska)	Geoheritage Education Specialist (Susan Jagoda)
25. Denali National Park (Alaska)	Paleontologist / GIS Technician (Tyra Olstad)
26. Denali National Park (Alaska)	Paleontologist / GIS Technician (Lisa Merkhofer)
27. Dinosaur National Monument (Colorado, Utah)	Field Paleontologist (David Tarailo)
28. Dinosaur National Monument (Colorado, Utah)	Field Paleontologist (Ashley Dineen)
29. Dinosaur National Monument (Colorado, Utah)	Information Technology / Paleontologist (Mindy Homan)
30. El Malpais National Monument (New Mexico), El Morro National Monument (New Mexico)	Cave Surveyor and Data Manager (Megan Mason)
31. Fire Island National Seashore (New York), Gateway National Recreation Area (New Jersey, New York)	Geologic / Geomorphic Mapping Technician (Joelle Freeman)
32. Florissant Fossil Beds National Monument (Colorado)	Paleontology / Museum Intern (Cassi Knight)
33. Florissant Fossil Beds National Monument (Colorado)	Paleontology / Museum Intern (Ashley Ferguson)
34. Florissant Fossil Beds National Monument (Colorado)	Paleontology Technician / Museum Curation (Kelly Hattori)
35. Florissant Fossil Beds National Monument (Colorado)	Paleontology Technician / Museum Curation (Allison Dernbach)
36. Fossil Butte National Monument (Wyoming)	Paleontology Technician - Museum Curation (Eric

PARK	POSITION
	Burnham)
37. Fossil Butte National Monument (Wyoming)	Public Education Geology / Paleontology (Megan Ferre)
38. Fossil Butte National Monument (Wyoming)	Public Education Geology / Paleontology (Elaine Lord)
39. Gateway National Recreation Area (New Jersey, New York), Northeast Coastal and Barrier Network (Massachusetts)	Geology / GIS Specialist (Michael Towle)
40. Gateway National Recreation Area (New Jersey, New York), Northeast Coastal and Barrier Network (Massachusetts)	Geology / GIS Specialist (William Schmelz)
41. Gateway National Recreation Area (New Jersey, New York), Northeast Coastal and Barrier Network (Massachusetts)	Geology / GIS Specialist (Monica Patel)
42. Glacier National Park (Montana)	Geology Interpreter / Educator (Liana Agrios)
43. Glacier National Park (Montana)	Geology Interpreter / Educator (Karen Alley)
44. Glen Canyon National Recreation Area (Arizona, Utah)	Geologist (Jennifer Kurashige)
45. Golden Gate National Recreation Area (California)	Paleontologist (Christian Henkel)
46. Grand Canyon National Park (Arizona)	Educational Park Guide / Geologist (North Rim) (Russell Rosenberg)
47. Grand Canyon National Park (Arizona)	Cave Management Technician (Direct Placement) (Graham Schindel)
48. Grand Portage National Monument (Minnesota)	Fluvial Geomorphologist (Susan Kilgore)
49. Grand Teton National Park (Wyoming)	Interpretive Geologist (Guest Scientist) (Erica Stephens)
50. Great Basin National Park (Nevada)	Field Paleontologist (Linda Lassiter)
51. Great Basin National Park (Nevada)	Field Paleontologist (Spencer Holmes)
52. Great Sand Dunes National Park (Colorado)	Geologist / Hydrologist (Ben Evans)
53. Guadalupe Mountains National Park (Texas)	Paleontology Technician (Ryan Gall)
54. John Day Fossil Beds National Monument (Oregon)	Geologist / Paleontologist (Meghan McKnight)
55. John Day Fossil Beds National Monument (Oregon)	Geologist / Paleontologist (Elizabeth Baker)
56. John Day Fossil Beds National Monument (Oregon)	Geologist / Paleontologist (Justin Williamson)
57. Katmai National Park & Preserve (Alaska)	Geology Interpretation Specialist (Haley Williams)
58. Mammoth Cave National Park (Kentucky)	Karst Geoscience Research Assistant (Gregory Connock)
59. Mammoth Cave National Park (Kentucky)	Geoscience-Teacher-in-Park intern (Lisa Michelle Dishman)
60. Mammoth Cave National Park (Kentucky)	Geoscience-Teacher-in-Park intern (Sherry Meador)
61. Mammoth Cave National Park (Kentucky)	Geoscience-Teacher-in-Park intern (Jamie Rowe)
62. Mount Rainier National Park (Washington)	Geomorphology/Glaciology Technician (Jenna Zechman)
63. Mount Rainier National Park (Washington)	Geoscience-Teacher-in-Park intern (Amy Katherine Rutz)
64. Mount Rainier National Park (Washington)	Geoscience-Teacher-in-Park intern (William Marshall Baur)
65. Mount Rainier National Park (Washington)	Geoscience-Teacher-in-Park intern (Adam John King)
66. Mount Rainier National Park (Washington)	Interpretation Specialist (Aurora Pinkney-Drobnis)
67. Mount Rainier National Park (Washington)	Interpretation Specialist (Charles Trexler)
68. Mount Rainier National Park (Washington)	Interpretation Specialist (Louis Bodin)
69. Mount Rainier National Park (Washington)	Geomorphology Technician (Anna Stifter)
70. Mount Rainier National Park (Washington)	Interpretation Specialist (Conor McDowell)
71. NRPC Geologic Resources Division (Colorado)	National Fossil Day Coordinator (Lisa Schaaf)
72. NRPC Geologic Resources Division (Colorado)	Paleontologist (Direct Placement) (John Ghist)
73. NRPC Geologic Resources Division (Colorado)	Energy and Minerals Communication Specialist (Megan Wood)
74. NRPC Geologic Resources Division (Colorado)	Cave and Karst Database Developer (Robert Charnock)

PARK	POSITION
75. NRPC Geologic Resources Division (Colorado)	Paleontologist (Direct Placement) (Justin Tweet)
76. Oregon Caves National Monument (Oregon)	Educational Earth Science Interpreter (Connor Newman)
77. Oregon Caves National Monument (Oregon)	Educational Earth Science Interpreter (Jason Bracken)
78. Oregon Caves National Monument (Oregon)	Geologist / Park Guide (Aspen Schindel)
79. Oregon Caves National Monument (Oregon)	Geologist / Park Guide (Rachel Barnett)
80. Oregon Caves National Monument (Oregon)	Educational Earth Science Interpreter (Bethany Murphy)
81. Oregon Caves National Monument (Oregon)	Educational Earth Science Interpreter (Daniel Pawlak)
82. Oregon Caves National Monument (Oregon)	Educational Earth Science Interpreter (Katherine Ebeling)
83. Rocky Mountain National Park (Colorado)	Geology Education Instructor (Kellyn Griffin)
84. Shenandoah National Park (Virginia)	Geoscience Interpreter (Peter Bonsall)
85. Shenandoah National Park (Virginia)	Geoscience Interpreter (Kimberely Aquino)
86. Upper Delaware Scenic and Recreational River (New York, Pennsylvania)	GIS Technician (Gus Frederick)
87. Washita Battlefield National Historic Site (Oklahoma)	Geologic / Geomorphic Mapping Technician (Julian Stahl)
88. White Sands National Monument (New Mexico)	Archeologist (Sahrah Bliss)
89. White Sands National Monument (New Mexico)	Paleontologist (Leiloni Begaye)
90. Wind Cave National Park (South Dakota)	Field Paleontologist / Preparator / Curator (Joe Gandolfi)

Table 12: 2012 Geoscientists-in-the-Parks positions with fall or winter start dates.

PARK	POSITION
91. Big Thicket National Preserve (Texas)	Natural Resources Program Assistant (Nicole Thomas)
92. Biologic Resource Management Division (Colorado)	Environmental Specialist (Lauren Barish)
93. Catocin Mountain Park (Maryland)	Fluvial Geomorphologist (Thomas Schenck)
94. Congaree National Park (South Carolina)	Earth Science Educator (Kate Baustian)
95. Death Valley National Park (California, Nevada)	Education and Outreach Specialist (Courtney King)
96. Denver Service Center (Colorado)	Natural Resource Specialist (Steve DeGrush)
97. Glacier National Park (Montana)	Geologic Media Specialist (Elena Evans)
98. Grand Canyon National Park (Arizona)	Paleontologist (Jeff Dobbins)
99. Grand Canyon National Park (Arizona)	Paleontologist (James Super)
100. Horseshoe Bend National Military Park (Alabama)	Geologic Mapping Technician (Kevin Jones)
101. Kenai Fjords National Park (Alaska)	Geologic Outreach Specialist (Luke Rosier)
102. Mojave National Preserve (California)	Hydrologist / Geologist / Hydrogeologist (Franklin Dekker)
103. Ninety Six National Historic Site (South Carolina)	Geologic Mapping Technician (Mark White)
104. Northern Great Plains Network (Colorado, Montana, Nebraska, North Dakota, South Dakota, Wyoming)	GIS Technician (Diversity Internship) (Cassandra Schoofs)
105. NRPC Geologic Resources Division (Colorado)	NPS - Smithsonian Museum Intern (Samantha Lesser)
106. NRPC Geologic Resources Division (Colorado)	Coastal Geologist (Direct Placement) (Maria Caffrey)
107. NRPC Geologic Resources Division (Colorado)	Volcanologist (Direct Placement) (Laura Walkup)
108. NRPC Geologic Resources Division (Colorado)	National Fossil Day Assistant (Direct Placement) (Eva Lyon)
109. Oregon Caves National Monument (Oregon)	Earth Science Education Assistant (Louis Bodin)
110. Oregon Caves National Monument (Oregon)	Earth Science Education Assistant (Audrey Ledford)
111. Zion National Park (Utah)	Paleontology Technician / Interpretive Specialist (David Tarailo)