

COMMITTEE ON NATURAL RESOURCES
113th Congress Disclosure Form
As required by and provided for in House Rule XI, clause 2(g) and
the Rules of the Committee on Natural Resources

Oversight hearing entitled "*Advances in Earthquake Science: 50th Anniversary of the Great Alaskan
Quake.*"
March 27, 2014

For Individuals:

1. Name:
2. Address:
3. Email Address:
4. Phone Number:

* * * * *

For Witnesses Representing Organizations:

1. Name: John Vidale
2. Name of Organization(s) You are Representing at the Hearing:
Pacific Northwest Seismic Network, University of Washington's College of the
Environment
3. Business Address: 3536 45th Ave NE, Seattle, WA 98105
4. Business Email Address: [Information redacted for privacy]
5. Business Phone Number: [Information redacted for privacy]

For all Witnesses

Name/Organization: John Vidale, Pacific Northwest, Seismic Network, University of Washington's College of the Environment

Title/Date of Hearing: Oversight hearing entitled "Advances in Earthquake Science: 50th Anniversary of the Great Alaskan Quake." March 27, 2014

a. Any training or educational certificates, diplomas or degrees or other educational experiences that are relevant to your qualifications to testify on or knowledge of the subject matter of the hearing.

Yale, double majors in Physics and Geology	1977 - 1981
Caltech, PhD in seismology	1981 - 1986

b. Any professional licenses, certifications, or affiliations held that are relevant to your qualifications to testify on or knowledge of the subject matter of the hearing.

Southern Calif. Earthquake Center Adv. Comm.	2010 - now
Washington State Seismic Safety Committee	2006 - now
National Earthquake Prediction Evaluation Council	2009 - now
Outstanding Researcher, UW College of the Env.	2011
Gilbert Fellow of USGS	1995
AGU Fellow	1994
AGU Macelwane Medal	1994

c. Any employment, occupation, ownership in a firm or business, or work-related experiences that relate to your qualifications to testify on or knowledge of the subject matter of the hearing.

Pacific Northwest Seismic Network Director	2006 - now
U Washington Prof	2006 - now
Washington State Seismologist	2006 - now
Chair, PNSN Earthquake Early Warning Workshop, UW	Feb 2013
Co-chair, Seafloor geodesy for Cascadia zone workshop	June, 2012
Co-chair, Earthquake Early Warning Summit, Berkeley, CA	April 4-5 2011
Co-convener, NSF Workshop on Spectrum of Faulting, Portland	Oct. 2010
Inst of Geophy. & Planetary Physics Director, UCLA	2002 - 2006
UCLA Professor	1995 - 2006
USGS, Menlo Park, Geophysicist	1991 - 1995
UC Santa Cruz, Researcher	1987 - 1990

d. Any federal grants or contracts (including subgrants or subcontracts) from the Department of the Interior (and/or other agencies invited) that you have received in the current year and previous four years, including the source and the amount of each grant or contract.

For a list of the College, see attached.

Pacific Northwest Seismic Network (PNSN) operations. USGS. \$4,511,201. 2/2010 – 2/2015.

PNSN ARRA seismic network upgrade. USGS. \$599,388, 9/2009 – 9/2011

ARRA Upgrade to PNSN seismic monitoring at Cascade Volcanoes. USGS \$220,000. 12/2009 – 9/2011

Earthquake early warning simulations for Cascadia. USGS. \$132,954. 9/2012 – 8/2015.

Hanford, Washington, lifecycle seismic monitoring. Mission Support Alliance DOE. \$155,037 1/2014 – 9/2014

Hanford, Washington, lifecycle seismic monitoring. Mission Support Alliance DOE. \$1,006,255 5/2011 – 9/2013

Hanford implementation of PNSN seismic monitoring in Eastern Washington. DOE, \$137,941 10/2008 – 5/2011

Hazards SEES Type 2: Magnitude 9 earthquake scenarios - probabilistic modeling, warnings, response, and resilience in the Pacific Northwest, NSF, \$2.8M, 2013-2017

Inner life of tremor with the Array of Arrays, (co-PI), NSF, 2009-12, \$652,000

Data-driven Discovery Initiative, (co-PI), Moore-Sloan, \$13M, 2014-2018

West Coast Earthquake Early Warning, Moore Foundation, \$1.86M, 2012-2014

e. A list of all lawsuits or petitions filed by you against the federal government in the current year and the previous four years, giving the name of the lawsuit or petition, the subject matter of the lawsuit or petition, and the federal statutes under which the lawsuits or petitions were filed.

None

f. A list of all federal lawsuits filed against you by the federal government in the current year and the previous four years, giving the name of the lawsuit, the subject matter of the lawsuit, and the federal statutes under which the lawsuits were filed.

None

g. Any other information you wish to convey that might aid the Members of the Committee to better understand the context of your testimony.

As a seismologist, I am responsible for monitoring the tectonic and volcanic earthquakes in Washington and Oregon. Faced with the uncertainty of when the next serious earthquake will strike, and our lack of critical knowledge and infrastructure to mitigate its risk, I work to improve the situation, which is why I agreed to testify.

Witnesses Representing Organizations

Name/Organization: John Vidale, Pacific Northwest, Seismic Network, University of Washington's College of the Environment

Title/Date of Hearing: Oversight hearing entitled "Advances in Earthquake Science: 50th Anniversary of the Great Alaskan Quake." March 27, 2014

h. Any offices, elected positions, or representational capacity held in the organization(s) on whose behalf you are testifying.

None

i. Any federal grants or contracts (including subgrants or subcontracts) from the *Department of the Interior (and /or other agencies invited)* that were received in the current year and previous four years by the organization(s) you represent at this hearing, including the source and amount of each grant or contract for each of the organization(s).

Please See the attached document.

j. A list of all lawsuits or petitions filed by the organization(s) you represent at the hearing against the federal government in the current year and the previous four years, giving the name of the lawsuit or petition, the subject matter of the lawsuit or petition, and the federal statutes under which the lawsuits or petitions were filed for each of the organization(s).

None

k. A list of all federal lawsuits filed against the organization(s) you represent at the hearing by the federal government in the current year and the previous four years, giving the name of the lawsuit, the subject matter of the lawsuit, and the federal statutes under which the lawsuits were filed.

None

l. For tax-exempt organizations and non-profit organizations, copies of the three most recent public IRS Form 990s (including Form 990-PF, Form 990-N, and Form 990-EZ) for each of the organization(s) you represent at the hearing (not including any contributor names and addresses or any information withheld from public inspection by the Secretary of the Treasury under 26 U.S.C. 6104)).

The 2013 990T is attached.



2013

To Whom It May Concern:

The University of Washington, as an agency of the State of Washington, is exempt from federal income taxes under Section 115(1) of the Internal Revenue Code (IRC). The Internal Revenue Service has confirmed this status in a letter dated July 12, 1972 (copy attached). It should be noted that the citation used in the letter (IRC Section 115 (a)) is based on the 1954 IRC, whereas the current citation refers to the IRC under the Tax Reform Act of 1986.

The University of Washington is not planning to apply for IRC section 501 (c) (3) status. Accordingly, we do not have a tax determination letter indicating such status.

If you have any questions, please contact me at (206) 616-3003 or taxofc@u.washington.edu

Thank you,

A handwritten signature in cursive script that reads "Julia Shanahan".

Julia Shanahan
Tax Director
University of Washington

Address any reply to: 2033 6th Ave., Seattle, Wash. 98121

Department of the Treasury

Chief of Staff Director

Internal Revenue Service

Date:

In reply refer to.

July 12, 1972

425:RJL

Office of Development
400 Administration Building
University of Washington
Seattle, Washington 98195

Attn: Mr. Arthur W. Buerk



Gentlemen:

This is to advise you that the University of Washington is not subject to Federal income tax by reason of the provisions of section 115(a) of the 1954 Internal Revenue Code.

Contributions to it are deductible by the donors as provided in section 170 of the Code.

The University of Washington is not a private foundation as defined in section 509(a) since it is not an organization described in section 501(c)(3) of the Code.

Very truly yours,

Handwritten signature of G. A. Kirkbride.

G. A. Kirkbride
Exempt Organizations Supervisor
(206) 442-4768

U.W. EMPLOYER'S I.D.# - 91-6001537

FA#	Biennium Year	Originating Sponsor Name	Current Amount	Project Period Start Date	Project Period End Date	Fiscal Year
FA101331	2013	US Geological Survey (USGS)	\$460,488	2/1/2010	1/31/2015	2014
FA93656	2013	US Geological Survey (USGS)	\$3,300	6/1/2009	6/30/2014	2014
FA100873	2013	US Geological Survey (USGS)	\$27,010	8/1/2010	10/31/2014	2014
FA94880	2013	US Geological Survey (USGS)	\$10,000	3/1/2011	3/6/2016	2014
FA97383	2013	Bureau of Land Management (BLM)	\$72,166	3/21/2011	3/20/2016	2014
FA97252	2013	Bureau of Land Management (BLM)	\$76,000	9/6/2011	9/5/2016	2014
FA94323	2013	US Fish and Wildlife Service (FWS)	\$25,000	6/21/2013	12/31/2015	2014
FA95377	2013	US Geological Survey (USGS)	\$121,764	7/15/2012	7/31/2014	2014
FA95802	2013	US Geological Survey (USGS)	\$67,000	9/1/2012	8/31/2015	2014
FA96448	2013	National Park Service (NPS)	\$37,316	7/15/2012	3/1/2016	2014
FA97598	2013	US Geological Survey (USGS)	\$95,000	9/1/2012	8/31/2014	2014
FA94647	2013	National Park Service (NPS)	\$10,076	6/17/2013	9/1/2014	2014
FA94884	2013	National Park Service (NPS)	\$4,950	6/28/2013	12/30/2014	2014
FA95078	2013	US Fish and Wildlife Service (FWS)	\$342,016	9/1/2013	8/31/2015	2014
FA97128	2013	US Geological Survey (USGS)	\$48,175	9/1/2013	8/31/2014	2014
FA97630	2013	Bureau of Land Management (BLM)	\$33,000	9/18/2013	9/17/2018	2014
FA97271	2013	Bureau of Reclamation	\$149,932	9/20/2013	9/30/2015	2014
FA97347	2013	Bureau of Reclamation	\$75,000	9/20/2013	12/31/2014	2014
FA97989	2013	Bureau of Land Management (BLM)	\$24,564	7/1/2013	6/30/2015	2014
FA98532	2013	Bureau of Land Management (BLM)	\$399,469	9/1/2013	12/31/2016	2014
FA98527	2013	Bureau of Land Management (BLM)	\$25,000	9/1/2013	8/31/2014	2014
FA99748	2013	US Geological Survey (USGS)	\$38,662	11/1/2013	12/31/2014	2014
FA100350	2013	US Geological Survey (USGS)	\$65,378	1/1/2014	12/31/2014	2014
FA96188	2013	US Fish and Wildlife Service (FWS)	\$5,000	3/1/2012	9/30/2013	2014
FA91611	2013	US Fish and Wildlife Service (FWS)	\$374,668	4/1/2013	12/31/2016	2014
FA99374	2013	US Fish and Wildlife Service (FWS)	\$7,500	5/1/2013	6/30/2014	2014
FA84066	2011	National Park Service (NPS)	\$12,000	7/21/2008	7/21/2013	2013
FA89051	2011	US Geological Survey (USGS)	\$305,267	2/1/2010	5/31/2013	2013
FA92589	2011	US Geological Survey (USGS)	\$687,414	2/1/2010	1/31/2014	2013
FA91606	2011	US Fish and Wildlife Service (FWS)	\$9,086	10/9/2009	6/14/2013	2013
FA82400	2011	National Park Service (NPS)	\$36,398	8/5/2010	3/1/2014	2013
FA91558	2011	US Geological Survey (USGS)	\$15,300	8/23/2010	12/31/2013	2013
FA82373	2011	US Geological Survey (USGS)	\$64,516	2/1/2011	9/30/2013	2013
FA85352	2011	US Geological Survey (USGS)	\$32,075	2/1/2011	9/30/2013	2013
FA90098	2011	US Geological Survey (USGS)	\$4,000	3/7/2011	3/6/2016	2013
FA85802	2011	Bureau of Land Management (BLM)	\$72,166	3/21/2011	3/20/2016	2013
FA91971	2011	US Geological Survey (USGS)	\$54,253	4/18/2013	2/1/2014	2013
FA82862	2011	US Fish and Wildlife Service (FWS)	\$4,710	6/15/2011	6/30/2013	2013
FA82588	2011	National Park Service (NPS)	\$68,310	8/15/2011	8/13/2014	2013
FA82522	2011	National Park Service (NPS)	\$3,948	9/1/2011	10/1/2014	2013
FA84205	2011	Bureau of Land Management (BLM)	\$130,000	9/14/2011	9/13/2016	2013
FA93639	2011	Bureau of Land Management (BLM)	\$50,000	9/14/2011	9/13/2016	2013
FA84299	2011	National Park Service (NPS)	\$164,000	9/1/2011	3/1/2015	2013
FA85358	2011	Bureau of Land Management (BLM)	\$12,000	9/6/2011	9/5/2016	2013
FA91263	2011	Bureau of Reclamation	\$61,173	9/22/2011	12/31/2015	2013
FA82766	2011	US Geological Survey (USGS)	\$48,477	5/1/2012	12/31/2012	2013
FA82770	2011	US Geological Survey (USGS)	\$27,207	5/15/2012	11/1/2012	2013
FA91341	2011	National Park Service (NPS)	\$25,320	3/15/2012	12/31/2015	2013
FA84256	2011	US Geological Survey (USGS)	\$135,257	7/15/2012	9/30/2013	2013
FA83833	2011	US Geological Survey (USGS)	\$84,000	8/1/2012	7/31/2015	2013
FA82762	2011	US Geological Survey (USGS)	\$46,907	8/1/2012	7/31/2015	2013
FA83511	2011	US Geological Survey (USGS)	\$18,773	8/1/2012	7/31/2013	2013
FA84431	2011	US Geological Survey (USGS)	\$65,954	9/1/2012	8/31/2015	2013
FA82595	2011	National Park Service (NPS)	\$30,000	6/15/2012	11/30/2014	2013
FA83406	2011	National Park Service (NPS)	\$62,800	7/15/2012	4/30/2015	2013
FA92214	2011	National Park Service (NPS)	\$37,000	7/15/2012	4/30/2015	2013
FA84237	2011	National Park Service (NPS)	\$36,323	7/15/2012	3/1/2016	2013
FA84664	2011	US Geological Survey (USGS)	\$7,000	9/1/2012	5/1/2013	2013
FA81424	2011	Bureau of Land Management (BLM)	\$48,727	5/23/2012	9/30/2013	2013
FA85354	2011	US Geological Survey (USGS)	\$50,430	9/17/2012	9/16/2013	2013
FA85638	2011	US Fish and Wildlife Service (FWS)	\$40,904	9/30/2012	9/30/2017	2013
FA84917	2011	National Park Service (NPS)	\$72,500	8/31/2012	6/1/2015	2013
FA85811	2011	US Geological Survey (USGS)	\$140,000	9/1/2012	8/31/2013	2013
FA89626	2011	Bureau of Land Management (BLM)	\$40,000	1/1/2013	12/31/2013	2013
FA91167	2011	US Geological Survey (USGS)	\$228,989	3/15/2013	4/30/2014	2013
FA84970	2011	US Geological Survey (USGS)	\$279,034	9/23/2010	9/22/2013	2013
FA87595	2011	US Fish and Wildlife Service (FWS)	\$9,000	8/1/2011	12/31/2013	2013
FA84268	2011	US Fish and Wildlife Service (FWS)	\$23,000	3/1/2012	6/30/2013	2013
FA86311	2011	Bureau of Land Management (BLM)	\$14,000	4/1/2012	6/30/2014	2013
FA88781	2011	US Geological Survey (USGS)	\$67,538	9/22/2012	9/21/2013	2013
FA82330	2011	US Fish and Wildlife Service (FWS)	\$5,067	6/28/2012	9/30/2012	2013
FA84207	2011	US Fish and Wildlife Service (FWS)	\$31,000	8/1/2012	6/30/2013	2013
FA89599	2011	US Fish and Wildlife Service (FWS)	\$35,611	8/15/2012	9/30/2013	2013
FA88832	2011	US Fish and Wildlife Service (FWS)	\$20,772	8/15/2012	9/30/2013	2013
FA91547	2011	US Fish and Wildlife Service (FWS)	\$8,049	8/15/2012	9/30/2014	2013
FA86124	2011	US Fish and Wildlife Service (FWS)	\$12,000	8/1/2012	9/30/2014	2013
FA90650	2011	US Geological Survey (USGS)	\$350	11/26/2012	11/30/2012	2013
FA92347	2011	US Fish and Wildlife Service (FWS)	\$2,015	4/20/2013	6/30/2013	2013
FA93076	2011	US Fish and Wildlife Service (FWS)	\$162,512	5/1/2013	6/30/2014	2013
FA89719	2011	US Fish and Wildlife Service (FWS)	\$180,362	2/1/2013	9/30/2014	2013
FA86663	2011	National Park Service (NPS)	\$420,315	8/15/2012	5/15/2015	2013
FA72766	2011	National Park Service (NPS)	\$31,096	9/30/2007	9/29/2012	2012
FA82350	2011	National Park Service (NPS)	\$7,206	9/30/2007	9/29/2012	2012
FA70918	2011	US Geological Survey (USGS)	\$10,700	10/1/2007	9/30/2011	2012
FA73034	2011	US Geological Survey (USGS)	\$10,000	8/1/2009	12/31/2013	2012
FA72231	2011	US Geological Survey (USGS)	\$75,630	7/1/2009	6/30/2012	2012
FA76863	2011	US Geological Survey (USGS)	\$992,735	2/1/2010	1/31/2013	2012
FA72278	2011	US Geological Survey (USGS)	\$48,923	5/26/2009	6/30/2012	2012
FA82037	2011	US Geological Survey (USGS)	\$12,000	6/1/2009	12/31/2012	2012
FA71392	2011	US Geological Survey (USGS)	\$25,000	7/1/2009	6/30/2012	2012
FA72698	2011	US Geological Survey (USGS)	\$16,367	12/17/2009	3/31/2013	2012
FA72280	2011	US Geological Survey (USGS)	\$5,000	7/5/2010	9/30/2012	2012
FA74239	2011	National Park Service (NPS)	\$10,000	8/5/2010	1/29/2013	2012
FA73587	2011	US Geological Survey (USGS)	\$136,212	8/1/2011	7/31/2012	2012
FA73316	2011	US Geological Survey (USGS)	\$140,000	9/15/2010	9/14/2012	2012
FA73795	2011	Bureau of Land Management (BLM)	\$8,000	8/26/2010	9/30/2015	2012
FA73523	2011	US Geological Survey (USGS)	\$50,639	2/1/2011	9/30/2012	2012
FA80641	2011	US Geological Survey (USGS)	\$14,944	2/1/2011	9/30/2012	2012
FA82172	2011	US Geological Survey (USGS)	\$20,000	3/7/2011	3/6/2016	2012
FA73647	2011	US Geological Survey (USGS)	\$111,900	5/25/2011	6/30/2013	2012
FA71119	2011	US Geological Survey (USGS)	\$18,816	6/8/2011	12/31/2011	2012
FA71995	2011	US Geological Survey (USGS)	\$4,944	4/17/2011	4/22/2011	2012

FA73681	2011	US Fish and Wildlife Service (FWS)	\$5,000	6/29/2010	12/31/2012	2012
FA71192	2011	US Geological Survey (USGS)	\$150,000	7/15/2011	6/30/2014	2012
FA71352	2011	US Geological Survey (USGS)	\$10,000	7/15/2011	12/31/2011	2012
FA70902	2011	US Fish and Wildlife Service (FWS)	\$12,852	6/15/2011	6/30/2012	2012
FA72585	2011	US Geological Survey (USGS)	\$51,832	8/10/2011	4/30/2012	2012
FA72876	2011	National Park Service (NPS)	\$19,000	8/15/2011	10/30/2012	2012
FA72680	2011	National Park Service (NPS)	\$30,000	9/1/2011	10/1/2014	2012
FA74161	2011	National Park Service (NPS)	\$6,260	9/1/2011	10/1/2014	2012
FA73168	2011	National Park Service (NPS)	\$7,497	8/10/2011	3/1/2013	2012
FA73459	2011	US Fish and Wildlife Service (FWS)	\$342,016	9/19/2011	8/31/2013	2012
FA74107	2011	Bureau of Land Management (BLM)	\$93,848	9/14/2011	9/13/2016	2012
FA72737	2011	US Fish and Wildlife Service (FWS)	\$46,703	7/1/2011	6/30/2014	2012
FA73584	2011	National Park Service (NPS)	\$72,000	9/1/2011	3/1/2015	2012
FA73956	2011	US Fish and Wildlife Service (FWS)	\$72,915	9/19/2011	12/31/2012	2012
FA73980	2011	US Fish and Wildlife Service (FWS)	\$26,340	9/19/2011	3/31/2012	2012
FA74242	2011	National Park Service (NPS)	\$13,791	9/1/2011	9/30/2012	2012
FA73779	2011	Bureau of Land Management (BLM)	\$23,000	9/5/2011	9/15/2016	2012
FA74543	2011	Bureau of Land Management (BLM)	\$10,000	9/6/2011	9/5/2016	2012
FA73586	2011	Bureau of Reclamation	\$69,677	9/22/2011	12/31/2015	2012
FA79841	2011	Bureau of Reclamation	\$61,173	9/22/2011	12/31/2015	2012
FA76435	2011	US Geological Survey (USGS)	\$14,151	12/1/2011	6/30/2012	2012
FA76483	2011	US Geological Survey (USGS)	\$65,310	1/1/2012	12/31/2012	2012
FA77633	2011	US Geological Survey (USGS)	\$16,150	3/1/2012	3/2/2013	2012
FA82026	2011	US Geological Survey (USGS)	\$58,179	3/15/2012	12/15/2013	2012
FA75233	2011	US Fish and Wildlife Service (FWS)	\$95,000	1/31/2012	1/31/2013	2012
FA79318	2011	US Geological Survey (USGS)	\$58,329	3/26/2012	3/25/2013	2012
FA77745	2011	US Geological Survey (USGS)	\$17,762	4/1/2012	3/31/2013	2012
FA81171	2011	National Park Service (NPS)	\$35,379	3/15/2012	12/31/2013	2012
FA80398	2011	Bureau of Reclamation	\$156,725	5/9/2012	12/31/2016	2012
FA78159	2011	US Geological Survey (USGS)	\$263,100	9/23/2010	9/22/2012	2012
FA73021	2011	US Fish and Wildlife Service (FWS)	\$8,364	8/1/2011	12/31/2012	2012
FA76318	2011	US Fish and Wildlife Service (FWS)	\$28,773	10/1/2011	10/1/2013	2012
FA80710	2011	Bureau of Land Management (BLM)	\$18,000	4/1/2012	3/31/2013	2012
FA80331	2011	US Fish and Wildlife Service (FWS)	\$179,728	4/1/2012	3/31/2013	2012
FA74706	2011	National Park Service (NPS)	\$369,990	9/12/2011	2/15/2014	2012
FA62222	2009	Bureau of Land Management (BLM)	\$30,000	9/20/2010	9/30/2012	2011
FA62134	2009	Bureau of Land Management (BLM)	\$80,000	9/16/2005	9/30/2010	2011
FA62136	2009	Bureau of Land Management (BLM)	\$80,000	9/16/2005	12/31/2010	2011
FA67742	2009	National Park Service (NPS)	\$13,965	9/30/2007	9/29/2012	2011
FA68968	2009	US Fish and Wildlife Service (FWS)	\$80,000	6/3/2011	12/31/2012	2011
FA60421	2009	US Geological Survey (USGS)	\$5,000	9/15/2008	4/30/2011	2011
FA60065	2009	US Geological Survey (USGS)	\$35,837	8/1/2008	7/31/2011	2011
FA68522	2009	National Park Service (NPS)	\$3,231	3/24/2010	6/30/2011	2011
FA69114	2009	US Geological Survey (USGS)	\$28,478	7/1/2009	6/30/2012	2011
FA65622	2009	US Geological Survey (USGS)	\$1,045,397	2/1/2011	1/31/2012	2011
FA68024	2009	US Geological Survey (USGS)	\$42,537	4/12/2011	12/31/2011	2011
FA60646	2009	US Geological Survey (USGS)	\$10,251	6/1/2009	11/30/2011	2011
FA70017	2009	US Geological Survey (USGS)	\$13,050	6/1/2009	6/30/2012	2011
FA61893	2009	National Park Service (NPS)	\$17,993	9/30/2009	12/1/2011	2011
FA53799	2009	US Geological Survey (USGS)	\$49,998	8/2/2010	6/30/2011	2011
FA59865	2009	National Park Service (NPS)	\$23,344	8/17/2009	3/30/2012	2011
FA52289	2009	National Park Service (NPS)	\$68,150	7/9/2010	3/2/2012	2011
FA60018	2009	US Geological Survey (USGS)	\$114,912	7/1/2010	6/30/2011	2011
FA66347	2009	US Geological Survey (USGS)	\$115,110	7/1/2010	7/31/2012	2011
FA60431	2009	US Geological Survey (USGS)	\$61,321	7/5/2010	9/30/2012	2011
FA50419	2009	National Park Service (NPS)	\$51,876	6/15/2010	7/30/2011	2011
FA53801	2009	Bureau of Land Management (BLM)	\$13,000	6/28/2010	12/30/2011	2011
FA60615	2009	US Geological Survey (USGS)	\$18,585	8/1/2010	9/30/2010	2011
FA53336	2009	US Fish and Wildlife Service (FWS)	\$6,883	8/19/2010	6/30/2012	2011
FA59995	2009	National Park Service (NPS)	\$15,627	8/1/2010	11/23/2013	2011
FA60185	2009	National Park Service (NPS)	\$11,190	8/5/2010	1/29/2013	2011
FA69126	2009	National Park Service (NPS)	\$57,575	8/5/2010	1/29/2013	2011
FA60756	2009	US Geological Survey (USGS)	\$44,860	8/23/2010	6/30/2013	2011
FA61001	2009	US Geological Survey (USGS)	\$61,256	8/1/2010	7/31/2011	2011
FA62961	2009	National Park Service (NPS)	\$40,962	7/1/2010	6/1/2012	2011
FA61655	2009	US Geological Survey (USGS)	\$160,000	9/15/2010	9/14/2011	2011
FA61416	2009	National Park Service (NPS)	\$20,236	9/1/2010	10/1/2011	2011
FA61125	2009	Bureau of Land Management (BLM)	\$8,000	8/26/2010	8/25/2012	2011
FA65011	2009	US Geological Survey (USGS)	\$64,638	10/1/2010	6/30/2011	2011
FA63928	2009	US Geological Survey (USGS)	\$50,638	12/1/2010	11/30/2011	2011
FA66836	2009	US Geological Survey (USGS)	\$5,094	12/15/2010	3/31/2011	2011
FA66295	2009	US Geological Survey (USGS)	\$32,075	2/1/2011	9/30/2012	2011
FA68549	2009	US Geological Survey (USGS)	\$85,000	2/1/2011	9/30/2012	2011
FA66344	2009	US Geological Survey (USGS)	\$40,000	3/7/2011	3/6/2016	2011
FA66628	2009	Bureau of Land Management (BLM)	\$95,982	3/21/2011	3/20/2016	2011
FA69298	2009	US Geological Survey (USGS)	\$20,676	5/25/2011	12/31/2011	2011
FA68168	2009	US Fish and Wildlife Service (FWS)	\$52,299	6/29/2011	12/31/2012	2011
FA69846	2009	US Geological Survey (USGS)	\$11,538	6/10/2011	5/31/2012	2011
FA62174	2009	US Fish and Wildlife Service (FWS)	\$16,446	9/13/2010	1/31/2011	2011
FA65915	2009	US Fish and Wildlife Service (FWS)	\$3,977	9/13/2010	6/30/2011	2011
FA69118	2009	US Fish and Wildlife Service (FWS)	\$14,478	9/13/2010	6/30/2011	2011
FA63925	2009	US Geological Survey (USGS)	\$262,187	9/23/2010	9/14/2011	2011
FA67070	2009	US Fish and Wildlife Service (FWS)	\$15,773	8/1/2009	7/31/2011	2011
FA53321	2009	Bureau of Land Management (BLM)	\$30,000	4/1/2010	9/30/2011	2011
FA61048	2009	Bureau of Indian Affairs (BIA)	\$64,584	12/21/2009	9/30/2010	2011
FA63017	2009	Bureau of Indian Affairs (BIA)	\$7,260	12/21/2009	3/31/2011	2011
FA67211	2009	US Fish and Wildlife Service (FWS)	\$3,064	3/30/2011	8/1/2011	2011
FA68016	2009	Bureau of Land Management (BLM)	\$30,000	4/1/2011	8/1/2012	2011
FA64129	2009	National Park Service (NPS)	\$56,305	1/26/2011	2/15/2013	2011
FA68906	2009	National Park Service (NPS)	\$238,601	1/26/2011	2/15/2013	2011
FA44113	2009	US Geological Survey (USGS)	\$600,000	9/29/2009	9/15/2011	2010
FA46086	2009	US Geological Survey (USGS)	\$220,000	12/1/2009	9/15/2011	2010
FA48171	2009	Bureau of Land Management (BLM)	\$85,000	1/27/2010	9/30/2012	2010
FA48800	2009	US Geological Survey (USGS)	\$44,115	2/1/2010	9/30/2011	2010
FA43939	2009	National Park Service (NPS)	\$132,075	7/15/2004	7/15/2011	2010
FA49237	2009	Bureau of Land Management (BLM)	\$80,000	9/16/2005	9/30/2010	2010
FA40918	2009	US Geological Survey (USGS)	\$57,752	8/1/2006	7/31/2011	2010
FA43199	2009	US Geological Survey (USGS)	\$18,358	9/1/2007	8/1/2010	2010
FA48960	2009	US Geological Survey (USGS)	\$28,302	9/1/2007	8/31/2010	2010
FA52024	2009	US Geological Survey (USGS)	\$22,170	7/1/2010	9/30/2010	2010
FA51032	2009	National Park Service (NPS)	\$38,695	9/30/2007	9/29/2012	2010
FA42531	2009	US Geological Survey (USGS)	\$63,490	7/1/2007	9/30/2010	2010
FA48103	2009	National Park Service (NPS)	\$27,233	3/31/2008	3/1/2011	2010
FA43751	2009	US Fish and Wildlife Service (FWS)	\$62,000	7/1/2008	9/30/2011	2010
FA52207	2009	US Fish and Wildlife Service (FWS)	\$80,000	7/1/2008	12/31/2012	2010
FA43310	2009	US Geological Survey (USGS)	\$63,646	8/20/2009	6/30/2010	2010
FA52065	2009	US Geological Survey (USGS)	\$16,500	7/1/2010	12/1/2010	2010
FA77747	2009	US Geological Survey (USGS)	\$9,000	8/19/2008	6/30/2010	2010
FA42664	2009	US Geological Survey (USGS)	\$35,341	8/1/2008	7/31/2010	2010

FA43535	2009	National Park Service (NPS)	\$7,000	8/5/2009	6/1/2010	2010
FA47456	2009	US Geological Survey (USGS)	\$8,512	10/1/2008	6/30/2010	2010
FA42961	2009	National Park Service (NPS)	\$56,400	8/15/2009	8/1/2012	2010
FA48739	2009	National Park Service (NPS)	\$28,366	9/20/2008	7/30/2011	2010
FA42769	2009	US Fish and Wildlife Service (FWS)	\$44,396	8/24/2009	12/31/2010	2010
FA47763	2009	National Park Service (NPS)	\$34,922	1/22/2010	9/15/2012	2010
FA49195	2009	National Park Service (NPS)	\$8,318	3/24/2010	1/15/2011	2010
FA42771	2009	US Geological Survey (USGS)	\$50,225	8/1/2009	7/31/2010	2010
FA41977	2009	US Geological Survey (USGS)	\$19,296	8/1/2009	9/30/2009	2010
FA49974	2009	US Geological Survey (USGS)	\$15,051	8/1/2009	12/31/2010	2010
FA41037	2009	US Geological Survey (USGS)	\$57,000	7/1/2009	6/30/2010	2010
FA50208	2009	US Geological Survey (USGS)	\$99,404	7/1/2009	6/30/2011	2010
FA47706	2009	US Geological Survey (USGS)	\$944,900	2/1/2010	1/31/2011	2010
FA50394	2009	US Geological Survey (USGS)	\$75,000	2/1/2010	1/31/2011	2010
FA40856	2009	US Geological Survey (USGS)	\$32,642	6/1/2009	12/31/2009	2010
FA48116	2009	US Geological Survey (USGS)	\$94,470	5/26/2009	12/31/2010	2010
FA47107	2009	US Geological Survey (USGS)	\$10,000	6/1/2009	12/31/2010	2010
FA48964	2009	US Geological Survey (USGS)	\$6,400	6/1/2009	6/30/2011	2010
FA43943	2009	National Park Service (NPS)	\$99,649	9/30/2009	12/1/2011	2010
FA43372	2009	US Geological Survey (USGS)	\$74,998	9/14/2009	6/30/2010	2010
FA44470	2009	National Park Service (NPS)	\$11,748	8/17/2009	9/30/2011	2010
FA48748	2009	US Geological Survey (USGS)	\$50,212	3/15/2010	3/14/2011	2010
FA45581	2009	US Geological Survey (USGS)	\$23,535	10/5/2009	2/28/2010	2010
FA44914	2009	US Fish and Wildlife Service (FWS)	\$1,040,512	10/9/2009	6/14/2011	2010
FA48573	2009	Bureau of Indian Affairs (BIA)	\$37,536	9/1/2009	6/30/2010	2010
FA48572	2009	Bureau of Indian Affairs (BIA)	\$50,956	1/16/2010	6/30/2010	2010
FA46500	2009	Bureau of Land Management (BLM)	\$13,000	8/3/2009	12/30/2010	2010
FA46566	2009	US Geological Survey (USGS)	\$65,793	1/1/2010	12/31/2010	2010
FA46442	2009	US Geological Survey (USGS)	\$15,625	12/17/2009	6/30/2010	2010
FA49437	2009	US Geological Survey (USGS)	\$15,990	12/17/2009	3/31/2011	2010
FA49947	2009	US Geological Survey (USGS)	\$54,520	3/31/2010	12/31/2011	2010
FA50626	2009	US Geological Survey (USGS)	\$17,907	4/12/2010	12/31/2010	2010
FA50835	2009	US Geological Survey (USGS)	\$34,753	4/15/2010	12/31/2010	2010
FA50890	2009	National Park Service (NPS)	\$10,000	5/7/2010	12/31/2013	2010
FA51633	2009	US Geological Survey (USGS)	\$165,094	5/24/2010	6/30/2011	2010
FA43578	2009	US Geological Survey (USGS)	\$181,000	9/15/2009	9/14/2010	2010
FA49619	2009	Bureau of Land Management (BLM)	\$30,000	4/1/2010	9/30/2011	2010
FA43247	2009	US Fish and Wildlife Service (FWS)	\$200,000	7/1/2009	12/31/2011	2010
FA48709	2009	US Fish and Wildlife Service (FWS)	\$11,888	8/1/2009	7/31/2011	2010