



FINDING AID

RESEARCH PERMIT RECORDS

1933-Present (bulk dates: 1960-Present)

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National Park Service
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Collection Number: RG 01-PERMIT

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HISTORY

Yellowstone attracted scientific researchers as early as the 1870s, although research permitting had its beginnings during the park's army administration (1886-1918). During this era, anyone wishing to collect geological, botanical, or other specimens had to obtain permission directly from the superintendent.

Soon after the creation of the National Park Service (NPS), Superintendent Horace Albright placed a moratorium on the collection of vertebrates in Yellowstone for scientific purposes (excluding predator control). This rule would exist in some form in the park until the mid-1980s. However, Albright permitted individuals associated with academic institutions or government agencies to collect geological specimens.

A process of formalization in research permitting occurred service-wide following World War II; however, efforts to coordinate research and systematically issue permits seem to have first been tried in Yellowstone during the 1960s. The NPS adopted mission-oriented research as a primary goal of the agency during this period, thus giving park managers more authority to suggest researchers adjust project proposals. Permit applications instructed applicants to provide the park with a detailed prospectus of their project, describing their field operations, types of equipment to be used, areas to be researched, access needed, disturbances that might be caused to natural features, and any other information on the physical activities used in carrying out the research, as well as the purpose and disposition of the resulting research reports. These new policies led to disagreements between Yellowstone's managers and researchers and resulted in a belief that the NPS was anti-research, especially to outside (non-NPS) researchers. This in turn seems to have caused a decrease in permits in the 1970s. Moreover, these regulations allowed only representatives of large universities and public museums permission to collect specimens. These restrictions began to be loosened by 1978.

In 1983, John Varley was selected as Research Administrator for the newly created Division of Research. Among the division's duties was the establishment of a new system for the review, acceptance, implementation, and tracking of all research carried out in the park. Another reorganization occurred in 1993 with the creation of the Yellowstone Center for Resources (YCR). The YCR was formed after a major review of resource programs and organizational structure as well as a desire to improve resource protection in the park. It was formed by combining natural and cultural resource management, planning and compliance, Geographic Information System, and research including permitting. John Varley was selected as the first YCR director.

In 1997, following a review of the research permitting process, YCR added the Research Permit Office whose purpose was to issue and track permits and provide support to permitted researchers. Also established was a formalized, standardized process for research permit review and issuance. This was a response to the large increase in the number of permits issued annually. A computer-automated permitting system was adopted in the early 2000s.

For a detailed history of research permitting in the park, see Alice Wondrak Biel, "The Bearer Has Permission: A Brief History of Research Permitting in Yellowstone National Park," *Yellowstone Science*, vol. 12, no. 3, summer 2004, pages 5-20.

SCOPE AND CONTENT

RESEARCH PERMIT RECORDS 1933-Present (bulk dates: 1960-Present)

<i>COLLECTION NUMBER</i>	RG 01-PERMIT
<i>VOLUME</i>	57.75 LF
<i>DESCRIPTION</i>	<p>This collection contains reports and projects from the Research Permit Office of Yellowstone National Park. The collection contains permits and related materials regarding the implementation and review of research efforts in Yellowstone National Park.</p> <p>The researcher files typically include project proposals, overviews of methods used, and a partial report or indication that a published paper had been sent to the Yellowstone Research Library. The annual superintendent's reports include an overview of all the research projects in progress during the listed year, while the permit correspondence varies between rejections of proposed projects and clarification on approved projects. Administrative records of the Research Permit Office demonstrate the ways in which the permitting process has changed since its introduction.</p> <p>Research focuses cover a wide assortment of topics from archaeology to biology to social science demographics to geology. Researchers interested in specific topics in the Park may find the data included in some of the files of use. These files may also prove helpful to researchers preparing their own projects.</p>
<i>ORGANIZATION</i>	<p>Organized into three series - Series 1: Permits and Projects, Series 2: Annual Research Reports, Series 3: Administrative Records.</p> <p>Series 1 is arranged by accretions (i.e. when files are transferred from the Research Permit Office to the archives.) and then alphabetically by permittee's/principal investigator's last name. Permits and relevant collection permit correspondence as well as Resource Study Problems (RSPs) are arranged chronologically at the end of the accretion in which they were received. Series 2 and 3 are arranged chronologically.</p>
<i>PROVENANCE</i>	Transferred from Research Permit Office as permits close.

*RESTRICTIONS**No**ASSOCIATED
MATERIALS*Thesis, dissertations, books, and journal articles resulting from
the research permit, Yellowstone National Park Research Library

SERIES DESCRIPTIONS

Permits and Projects, 1954-Present

Files contain research permits and individual research projects covering a variety of topics within Yellowstone National Park and surrounding areas. Most files include the initial application for research and continued correspondence for the research project. Most of the theses and publications that resulted can be found in the Yellowstone Research Library. Also included in this series are loose collection permits and bundled Resource Study Problems (RSPs) which were a different type of research project that required a unique form. More detailed documents related to the RSPs can be found in the main research projects folders (YELL-N-##).

Annual Research Reports, 1956-Present

This series consists of the annual research reports for Yellowstone National Park. Each year, the superintendent's office issued a comprehensive list of research projects active in the park. Individual investigators/researchers also completed annual reports. The individual reports were often used as part of, or as accompaniment to, the superintendent's annual research report.

Administrative Records, 1933-Present

Administrative records document the operations of the office tasked with managing the research process. These records include correspondence, specimen requests, rejected research proposals, meeting minutes, and revisions to permitting processes. Also included are cooperative research agreements, field surveys, and proposals relating to necessary projects in the park.

CONTAINER LIST

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present*

Box 01

File Unit Nbr	Title
01.01	Ables, Ernest, 1985 <i>Elk behavior, no permit number</i>
01.02	Acton, Gary, 1994 <i>Geology, permit # 1603</i>
01.03	Adams, William, 1994 <i>Mammalogy and ichthyology, permit # 302</i>
01.04	Alexander, J., 1993 <i>Geology, permit # 1402</i>
01.05	Allen, Karen, 1995 <i>Exotic plants (Biogeography), permit # 1656</i>
01.06	Andelt, William, 1987-1988 <i>Coyotes, no permit number</i>
01.07	Arno, Stephen, 1989-1995 <i>Fire history, permit # 1324</i>
01.08	Atchley, Jennifer, 1988 <i>Ecology of Bebb's Willow (Salix benniana), permit # 298</i>
01.09	Averett, Robert, 1986-1993 <i>Ecology of lakes and streams (Ichthyology and Entomology), permit # 228 and 305</i>
01.10	Bagley, Peter, 1993 <i>Botany, permit # 1563</i>
01.11	Bahr, Richard, 1990 <i>Fire ecology, permit # 1333</i>
01.12	Ballard, Robert, 1997 <i>Geology and microorganisms, permit # 2040</i>
01.13	Barney, Francis, 1991 <i>Thermophilic bacteria, permit # 1452</i>
01.14	Bartos, Dale, 1985-1990 <i>Mountain pine beetle, permit # 215</i>
01.15	Bartow, Dennis, 1987 <i>Invertebrate fauna in thermal areas, permit # 251</i>
01.16	Bath, Alistair, 1989-1994 <i>Visitors' attitudes toward fire and non-consumptive wildlife use (Sociology), permit # 1306</i>

Box 02

02.01	Bauer, Carl, 1993-1994 <i>Photosynthetic bacteria, permit # 1609</i>
02.02	Beetle, Dorothy, 1989-1994 <i>Land mollusks, permit # 1300 and 1639</i>
02.03	Bell, Carol, 1991-1994 <i>Gypsy moths, permit # 194</i>
02.04	Bellomo, Randy, 1995 <i>Archaeology, permit # 1337</i>
02.05	Bentley, Susan, 1996-1997 <i>Carbon dioxide (CO₂) at hot springs, permit # 2002</i>
02.06	Bergstrom, Robert, 1979-1988 <i>Parasites of elk, and parasites of buffalo, permit # 12 and 245</i>
02.07	Binkowski, Fred, 1986-1990 <i>Life history of Lake Trout (Salvelinus namaycush), permit # 230</i>
02.08	Bissell, Erin, 1995 <i>Re-growth/re-vegetation of lodgepole pine, permit # 1858</i>
02.09	Bissonette, John, 1989-1993 <i>Ecology of pine marten (Martes Americana), no permit number</i>
02.10	Black, A. Ross, 1995 <i>Aquatic insects, permit # 1830</i>
02.11	Blackmore, Mark, 1995 <i>Mosquito ecology, permit # 1643</i>

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present (cont.)*

Box 02 (cont.)

File Unit Nbr	Title
02.12	Blackwell, David, 1983-1988 <i>Thermal characteristics (Geophysics), permit # 14</i>
02.13	Blackwell, David, 1988-1990 <i>Sub-bottom sonic profiles in Yellowstone Lake (Geophysics), permit # 242</i>
02.14	Blanah, Dale, 1993-1995 <i>Llamas as recreational pack stock, permit # 1617</i>
02.15	Blanchard, Bonnie, ca. 1990 <i>Food habits of grizzly bears, no permit number</i>
02.16	Blankenship, Robert, 1993 <i>Biochemistry, permit # 1587</i>
02.17	Booth, Gary, 1994 <i>Microinvertebrates (Entomology), permit # 1672</i>
02.18	Bowser, Gillian, 1987-1990 <i>Butterflies and moths (Lepidoptera), permit # 207</i>
02.19	Brown, Daniel, 1993-1994 <i>Patterns in Alpine Treeline Vegetation (GIS), permit # 1527</i>
02.20	Brown, Randolph, 1983-1987 <i>Benthic organisms, permit # 237</i>
02.21	Brown, Steven, 1991 <i>National Park lodges (Architecture), permit # 1466</i>
02.22	Bryant, P. Kruger, 1991-1992 <i>Bison tissue, permit # 1439</i>
02.23	Bunting, Stephen, 1987-1990 <i>Whitebark pine fire ecology, permit # 292</i>

Box 03

03.01	Casella, Clarence, 1975-1984 <i>Precambrian geology, no permit number</i>
03.02	Cassirer, Frances, 1985-1990 <i>Effect of winter recreation on elk behavior, permit # 43</i>
03.03	Cerling, Thure, 1989-1994 <i>Geochronology, permit # 1328</i>
03.04	Chambers, Robert, 1988-1993 <i>Geothermal conduits, permit # 1406</i>
03.05	Chang, W. J., 1994 <i>Cyanobacteria, permit # 1690</i>
03.06	Chapman, Bill, 1989 <i>Collection of rocks for bighorn sheep mount for Albright Visitor Center, permit # 1297</i>
03.07	Chinnappa, C. C., 1983-1989 <i>Ecology of Antennaria, permit # 186</i>
03.08	Cochrane, Joan, 1990-1992 <i>Flower seeds (Gentiana thermalis and Erythronium grandiflora), permit # 1428</i>
03.09	Collins, Richard, 1989-1992 <i>Black fly larvae and water quality, permit # 1301</i>
03.10	Colvard, Elizabeth, 1990 <i>Macroinvertebrates, permit # 1411</i>
03.11	Conrad, Michael, 1991 <i>Temperature and pH in geothermal areas, permit # 1461</i>
03.12	Corwin, Harry, 1990 <i>Geology, permit # 1422</i>
03.13	Cowart, James, 1992 <i>Radioisotopes in Geothermal Waters, permit # 1511</i>
03.14	Creasman, Steven, 1989-1993 <i>Archaeology, permit # 1285</i>
03.15	Custer, Stephan, 1988-1989 <i>Soil samples, permit # 300</i>
03.16	Custer, Stephan, 1988-1989 <i>Fire ecology, permit # 1269, 1270, and 1271</i>
03.17	Daboll, David, 1995 <i>Impacts of snowmobiling, no permit number</i>

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present (cont.)*

Box 03 (cont.)

File Unit Nbr	Title
03.18	Dalimata, Lindy, 1994-1995 <i>Thermophilic bacteria, permit # 1728</i>
03.19	Dame, John , 1988-1990 <i>Parasitology in bison, permit # 1425</i>
03.20	Davis, Don, 1991 <i>Brucellosis in bison, no permit issued(?)</i>
03.21	Davis, Leslie, 1989-1990 <i>Obsidian Cliff (Archaeology), permit # 1293</i>
03.22	Deeg, Patricia, 1993 <i>Landscape alterations, no permit number</i>
03.23	Deitch, Craig, 1994 <i>Petrology (Geology), permit # 1708</i>
03.24	DelGiudice, Glenn, 1987-2000 (1 of 2) <i>Winter nutritional assessment of elk and bison (Nutritional physiology), permit # 1282</i>

Box 04

04.01	DelGiudice, Glenn, 1987-2000 (2 of 2) <i>Winter nutritional assessment of elk and bison (Nutritional physiology), permit # 1282</i>
04.02	Dewart, Gilbert, 1986-1988 <i>Microseismology (Geology), permit # 231</i>
04.03	Diem, Kenneth, 1979-1990 <i>White pelican reproduction, permit # 27</i>
04.04	Dobson, Andrew, 1991 <i>Brucellosis, permit # 1475</i>
04.05	Doden, Arnold, 1986-1990 <i>Rhyolite and basalt (Geology), permit # 220</i>
04.06	Doerges, John, 1989 <i>Obsidian and core samples of dead trees, permit # 1336</i>
04.07	Dorn, Robert, 1992-1993 <i>Environmental assessment for abandoned mines, permit # 1512</i>
04.08	Dorwin, John, 1992 <i>Archaeological site survey, permit # 1459</i>
04.09	Drewien, Rod, 1982-1990 <i>Sandhill cranes, permit # 29</i>
04.10	Drewien, Rod, 1993-1994 <i>Trumpeter swans, no permit number</i>
04.11	Duffield, John, 1991 <i>Economic analysis of wolf recovery (Socio-economic), permit # 1392</i>
04.12	Dugan, P., 1991 <i>Microbial enhanced oil recovery, permit # 307</i>
04.13	Dyer, Melvin, 1993 <i>Grazing and climate control, no permit number</i>
04.14	Easterbrook, Don, 1987-1990 <i>Geology, permit # 264</i>
04.15	Elias, Scott, 1992-1994 <i>Insect fossils, permit # 1499</i>
04.16	Ellsworth, John, 1990-1991 <i>Visual quality, ecological integrity, and wildfire, permit # 1394</i>
04.17	Engelmann, George, 1995 <i>Ecosystem of the Jurassic Morrison formation (Paleontology), permit # 1868</i>
04.18	Erickson, Barbara, 1992 <i>Botany, no permit number</i>
04.19	Ewing, Roy, 1988-1995 <i>Suspended sediment and turbidity (Hydrology), permit # 1304</i>
04.20	Fager, Craig, 1989-1990 <i>Pine marten (Ecology), permit # 1373</i>
04.21	Falter, Michael, 1994-1995 <i>Aquatic macrophytes, permit # 1852</i>
04.22	Favinger, Jeffrey, 1985-1990 <i>Anoxygenic photosynthetic bacteria (Biology), permit # 1329</i>

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present (cont.)*

Box 04 (cont.)

File Unit Nbr **Title**
 04.23 **Fitch, Thomas, 1985-1990**
Loon nesting, permit # 210

Box 05

05.01 **Fredenberg, Wade, 1991-1992**
Rainbow trout, permit # 1453

05.02 **French, Frank, 1986-1990**
Biting flies (Tabanidae and Chaoboridae), permit # 205

05.03 **French, Steven, 1988**
Bear scat (and filming bears), permit # 197

05.04 **Fyfe, William, 1985-1992**
Algal and bacterial contributions to hydrothermal mineralization (Microbiology), permit # 46

05.05 **Gaillard, Jean-Michel, 1990**
Elk behavior, permit # 1430

05.06 **Garrett, Andrew, 1989-1990**
Effect of canopy burn on soil hydrophobicity, permit # 1342

05.07 **Gern, William, 1992**
Cutthroat trout, permit # 1496

05.08 **Giggenbach, Womer, 1996**
Geochemistry (Geology), permit # 1934

05.09 **Gillin, Colin, 1990-1993**
Grizzly bear scat and vegetative foods, permit # 106

05.10 **Glenn, David, 1995**
Forestry, wildlife, ecology, permit # 1822

05.11 **Glime, Janice, 1988-1989**
Bryophytes in geothermal vents, permit # 1317

05.12 **Goldberg, Marvin, 1990-1995**
Water chemistry (Hydrology), permit # 1426

05.13 **Gonnerman, Helge, 1988**
Mapping willow communities, permit # 306

05.14 **Gould, William, 1988-1990**
Cutthroat trout, permit # 1369

05.15 **Gregory, Kathryn, undated**
Tree fossils (Palaeodendrochronology), permit # 1415

05.16 **Grothe, Scott, ca. 1994**
Coyotes, no permit issued(?)

05.17 **Gundersen, James, 1992-1994**
Geoarchaeology, permit # 1500

05.18 **Habeck, Robert, 1989**
Risk perception of Wyoming residents toward 1988 fires, permit # 1341

05.19 **Habermehl, M. A., 1989**
Travertine, tufa, carbonate rock samples, permit # 1331

05.20 **Halfpenny, James, 1986-1987**
Scat, permit # 201

05.21 **Hall, Daphne, 1991**
Visitor knowledge of problem bears, permit # 1445

05.22 **Hamilton, Wayne, 1984-2000 (1 of 2)**
Geology, permit # 151, 1275, 1495

05.23 **Hamilton, Wayne, 1984-2000 (2 of 2)**
Geology, permit # 151, 1275, 1495

Box 06

06.01 **Hamilton, Wayne, 1987-1994**
Use of Radon-22 and Mercury, permit # 1275

06.02 **Hammond, Forrest, 1982-1990**
Grizzly bears and aversive conditioning techniques, permit # 106

06.03 **Hansen, David, 1987-1989**
Plant samples (for herbarium), permit # 240

06.04 **Hartman, Ronald, 1984-1990**
Flora of Southwest Absarokas, permit # 153 and 250

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present (cont.)*

Box 06 (cont.)

File Unit Nbr	Title
06.05	Hatcher, Herb, 1988-1989 <i>Biochemical modification of tars, heavy oils, and kerogen, permit # 307</i>
06.06	Hebert, Paul, 1991-1992 <i>Daphnia samples (Limnology, zooplankton), permit # 1460</i>
06.07	Heine, Nikolaus, 1989-1991 <i>Volcanic rock samples, permit # 1345</i>
06.08	Henson, Paul, 1991 <i>Trumpeter swans (nocturnal behavior), permit # 1457</i>
06.09	Herren, Vicki, 1989-1990 <i>Re-growth comparison of burned and unburned soils, permit # 1296</i>
06.10	Hetrick, Nicholas, 1993 <i>Madison River fish migration and spawning, permit # 1559</i>
06.11	Hill, Steven, 1991-1994 <i>Herpetological survey (Tiger salamanders), permit # 1482</i>
06.12	Hites, Ronald, 1992 <i>Chlorinated dioxins and dibenzofurans (Environmental chemistry), permit # 1509</i>
06.13	Hoak, John, 1994 <i>Water analysis (Mineral Hill Mine), no permit number</i>
06.14	Hodson, Paula, 1993 <i>Request from seventh grade teacher regarding collection permit, no permit number</i>
06.15	Holbrook, Fred, 1994 <i>Insect larvae and adults, permit # 1439</i>
06.16	Holdaway, Boyd, 1987-1990 <i>Plant samples (for herbarium), permit # 184</i>
06.17	Hooper, Alan, 1989 <i>Thermophilic bacteria, permit # 1352</i>
06.18	Hoover, Richard, 1993 <i>Thermophilic diatoms, permit # 1623</i>
06.19	Hostetler, Steve, 1991-1995 <i>Climate and lake interaction (Geology), permit # 1437</i>
06.20	Hovingh, Peter, 1991 <i>Spotted frog genetics, no permit number</i>
06.21	Hubbell, Stephen, 1994-1996 <i>Relationship between fire lines and the spread exotic plants, permit # 1664</i>
06.22	Hunt, James, 1990 <i>Teachers' workshop (various topics), permit # 1401</i>
06.23	Hunt, William, 1992-1995 <i>Cultural resources, Madison Junction to Biscuit Basin road rehabilitation (Archaeology), permit # 1605</i>
06.24	Inouye, Richard, 1991-1995 <i>Pocket gopher disturbance on vegetation and nutrients (Ecology), permit # 1446</i>
06.25	Ivie, Michael, 1993-1995 <i>Biodiversity of insect fauna, pre and post burn (Entomology), permit # 1560</i>
06.26	Jacobs, Kendall, 1990 <i>Gallatin intrusion (Geology), permit # 1435</i>

Box 07

07.01	Johansen, Eric, 1990-1991 <i>Debris flows and sediment yield on hillslopes recently deforested by fire, permit # 1388</i>
07.02	Johnson, Jerald, 1994 <i>Utah chub, <i>Gila atraria</i> (Ecology), permit # 1676</i>
07.03	Jones, Michael, 1992 <i>Lungworm in elk (Parasitology), permit # 1492</i>
07.04	Jones, Ron, 1986-1992 <i>Fishery and aquatic management in Yellowstone National Park (Ichthyology and Entomology), permit # 126</i>
07.05	Jorgensen, David, 1990-1991 <i>Response of Yellowstone River to subsidence of Yellowstone Caldera, permit # 1469</i>
07.06	Kadlec, John, 1988-1992 <i>Relationship between avifauna, willow communities and ungulates, permit # 1295</i>

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present (cont.)*

Box 07 (cont.)

File Unit Nbr	Title
07.07	Kaster, Jerry, 1983-1987 <i>Oligotrophy in Yellowstone Lake, no permit number</i>
07.08	Kay, Charles, 1986-1993 <i>Aspen ecology, permit # 211 and 1478</i>
07.09	Kelly, Barbara, 1990-1992 <i>Cutthroat trout, permit # 1395</i>
07.10	Kennedy, B. Mack, 1981-1995 <i>Noble gases in geothermal processes (Geology), permit # 162 and 192</i>
07.11	Kerkvliet, Joe, 1993-1994 <i>Freshwater fishing (Economics, Recreation), permit # 1666</i>
07.12	Kharaka, Yousif, 1988-1991 <i>Geochemistry of thermal water, permit # 1399</i>
07.13	Kieffer, Susan, 1976-1996 (1 of 2) <i>Multiphase fluid flow in geothermal and volcanic systems (Geology), permit # 164</i>
07.14	Kieffer, Susan, 1976-1996 (2 of 2) <i>Multiphase fluid flow in geothermal and volcanic systems (Geology), permit # 164</i>

Box 08

08.01	Kingston, Newton, 1985-1989 <i>Cutthroat trout parasites, no permit number</i>
08.02	Kirkpatrick, Jay, 1987-1993 (1 of 2) <i>Bison fertility, permit number 1378</i>
08.03	Kirkpatrick, Jay, 1987-1993 (2 of 2) <i>Bison fertility, permit # 1378</i>
08.04	Kish, Stephen, 1997 <i>Geochemistry of thermal water, permit # 2126</i>
08.05	Klein, Stephen, 1984-1992 (1 of 2) <i>Heavy metal containment, permit # 81</i>
08.06	Klein, Stephen, 1984-1992 (2 of 2) <i>Heavy metal containment, permit # 81</i>
08.07	Klukas, Rich, 1981?-1991 <i>Bighorn sheep recovery, permit # 182</i>
08.08	Knoll, Martin, 1995-1996 <i>Temperature studies (Geology), permit # 1820</i>
08.09	Koch, Edward, 1988-1990 <i>Firehole River fisheries study, permit # 288</i>
08.10	Koch, Ted, 1989 <i>Amphibians and reptiles, permit # 1320</i>
08.11	Kong, Huimin, 1993 <i>Thermophilic bacteria, permit # 1627</i>
08.12	Kreutzer, Lee Ann, 1989 <i>Bison skeletons (Anthropology), permit # 1343</i>
08.13	Kriegler, Mike, 1987 <i>Thermophilic bacteria, permit # 238</i>
08.14	Krull, Evelyn, 1994 <i>Silicification of wood and plant materials, permit # 1686</i>
08.15	Lathrop, Richard, 1989-1992 <i>Consequences of fire on terrestrial and aquatic ecosystems, permit # 1315</i>

Box 09

09.01	Lavigne, Robert, 1989-1993 (1 of 2) <i>Insect response to the 1988 fires, permit # 1322</i>
09.02	Lavigne, Robert, 1989-1993 (2 of 2) <i>Insect response to the 1988 fires, permit # 1322</i>
09.03	Lehmberg, Judy, 1992 <i>Aquatic insects, permit # 1505</i>
09.04	Levine, Edward, 1988-1989 <i>[Research topic not listed], permit # 1278</i>
09.05	Levine, Joel, 1989-1990 <i>Surface burning and biogenic soil emissions, permit # 1344</i>

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present (cont.)*

Box 09 (cont.)

File Unit Nbr	Title
09.06	Liebl, Steve, 1993 <i>Tree attrition (Fire ecology), permit # 1593</i>
09.07	Lime, David, 1990-1994 <i>Wolf reintroduction, no permit number</i>
09.08	Locke, William, undated <i>Postglacial vertical deformation in Yellowstone Lake (Volcanology), permit # 170</i>
09.09	Lockman, Dave, 1982-1991 <i>Migratory waterfowl survey, permit # 170</i>
09.10	Lockwood, Jeffrey, 1991-1994 <i>Rocky Mountain Locust and YNP grasshoppers, permit # 1467</i>
09.11	Lopez, Jane, 1989 <i>Fuel load survey, permit # 1333</i>
09.12	Lounsbury, John, 1995 <i>Lake Trout ice fishing, permit # 1802</i>

Box 10

10.01	Lowrie, Donald, 1987-1990 <i>Survey of invertebrates in burned and unburned areas, permit # 1312</i>
10.02	Lutz, Marilyn, 1990 <i>Butterfly census (Xerces Society butterfly count), permit # 1414</i>
10.03	Machlis, Gary, 1987-1990 <i>Visitor services (Sociology), permit # 1291</i>
10.04	Macior, Lazarus, 1995 <i>Pollination ecology, permit # 1834</i>
10.05	Mah, R. A., 1988 <i>Thermophilic bacteria, permit # 301</i>
10.06	Majerus, Mark, 1986-1990 <i>Highway revegetation (Plant ecology), permit # 296</i>
10.07	Mangum, Fred, 1990-1995 <i>Aquatic ecosystem, permit # 1370</i>
10.08	Mannix, Paul, 1993-1994 <i>Wyoming state tourism survey, permit # 1611</i>
10.09	Mansbach, Arthur, 1986-1987 <i>Survey of insect and moth diversity, permit # 255</i>
10.10	Markum, Darrell, 1992-1993 <i>White pelican feeding ecology, permit # 1479</i>
10.11	Marston, Richard, 1989-1993 <i>Geomorphic changes in Snake River (Geography), permit # 1339</i>
10.12	Martini, Marino, 1995 <i>Geochemistry of thermal water, permit # 1826</i>
10.13	Maskarinec, Gary, 1989-1990 <i>Boundary area restoration (Restoration ecology), permit # 1348</i>
10.14	Maskarinec, Gary, 1992 <i>Boundary area restoration (Restoration ecology), permit # 1508</i>
10.15	Mastrogiuseppe, Joy, 1989-1990 <i>Study of Carek (Sedge), permit # 1319</i>
10.16	Mathews, Sarah, 1988-1990 <i>Castilleja crista-galli (Indian paintbrush), permit # 287</i>
10.17	Mattson, David, 1980-1989 <i>Grizzly bear studies, no permit number</i>
10.18	Maxwell, Dwight, 1990 <i>Exfoliation (spalling) of boulders following 1988 fires (Geology), permit # 1398</i>
10.19	May, Bruce, 1994 <i>Aquatic ecology, permit # 1682</i>
10.20	McCoy, Robert Muncy, 1986-1988, 1986-1988 <i>Availability and use of forage by Elk, permit # 239</i>
10.21	McDermott, Greg, 1989-1990 <i>Insects attacking Linaria dalmatica (Plant ecology), permit # 1307</i>
10.22	McDonald, Lyman, 1987-1990 <i>Survey of backcountry users regarding grizzly bear sightings, permit # 260</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 10 (cont.)

File Unit Nbr	Title
10.23	McEntee, Julie, 1989-1990 <i>Metal resistant thermophiles, permit # 1332</i>
10.24	McLean, Josy, 1994 <i>Water quality, permit # 1726</i>
10.25	McMahon, Thomas, 1994 <i>Aquatic entomology, permit # 1704</i>
10.26	McNaughton, Samuel, 1989-1994 <i>Interaction of fire, vegetation, and herbivores (Plant ecology), permit # 1325</i>
10.27	McNaughton, Samuel, 1987-1991 (1 of 2) <i>Production, forage quality, and utilization rates by elk and bison on the Northern Range, permit # 275</i>

Box 11

11.01	McNaughton, Samuel, 1987-1991 (2 of 2) <i>Production, forage quality, and utilization rates by elk and bison on the Northern Range, permit # 275</i>
11.02	Miller, C. Allan, 1989-1990 <i>Comparison of small mammal populations between burned and unburned sites, permit # 1309</i>
11.03	Miller, Steven, 1991 <i>Effects of fire on ectomycorrhizal fungi, no permit number</i>
11.04	Millsbaugh, Sarah, 1991 <i>Record of fire in lake sediments, no permit number</i>
11.05	Minta, Steven, 1991-1995 <i>Medium-sized carnivores, no permit number</i>
11.06	Mogk, David, 1986-1993 <i>Chemistry of Obsidian Cliff glasses, permit # 227</i>
11.07	Mohrman, Jana, 1985-1990 <i>Sediment transport in Yellowstone River after 1988 fires, permit # 1304 and 1305</i>
11.08	Montagne, Cliff, 1986-1991 <i>Elk exclosure study (Soil science), permit # 225</i>
11.09	Moore, Johnnie, 1990-1994 <i>Aquatic geochemistry, permit # 146</i>
11.10	Moore, Robert, 1979-1990 <i>Small mammal ecology following natural fire, permit # 88</i>
11.11	Morgan, Paul, 1986-1989 <i>Bathymetry of Yellowstone Lake, permit # 243</i>
11.12	Nash, William, 1993-1994 <i>Yellowstone hotspot (Volcanology), permit # 1601</i>
11.13	Nash, William, 1984 <i>Precision Gravity Baseline Establishment, no permit number</i>
11.14	Nerad, Thomas, 1990-1996 <i>Survey of microflagellates (Protistology), permit # 1462</i>
11.15	North, David, 1990-1992 <i>Buffalo Valley Elk Project (Botany and Mammalogy), permit # 1419</i>
11.16	Ntveth, Shawn, 1988 <i>Seed germination, permit # 1258</i>
11.17	Nyberg, Eric, 1996 <i>Geophysical characterization of Soda Butte Creek, no permit number</i>
11.18	Oberg, Craig, 1997 <i>Microbiology (Workshop for high school teachers), permit # 2082</i>
11.19	Obradovich, John, 1993-1994 <i>Geochronology and paleomagnetism, permit # 1579 and 1694</i>
11.20	O'Dell, William, 1984-1994 <i>Thermophilic and pathogenic amoebae, permit # 91</i>
11.21	Ohguchi, Takeshi, 1982-1983 <i>Cenozoic rocks in Yellowstone and Japan, no permit number</i>
11.22	Oliver, Howard, 1987-1992 <i>Gravity survey, permit # 259</i>
11.23	Omi, Philip, 1989-1990 <i>Complementary management practices (Fire management), permit # 1299</i>

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Box 12

File Unit Nbr	Title
12.01	O'Neill, 1986-1990 <i>Digger wasps, permit # 214</i>
12.02	Otton, James, 1993-1995 <i>Uranium and related metals in wetland ecosystems (Geology), permit # 1529</i>
12.03	Palaney, Stanley, 1991 <i>Herbal specimens for Native American ceremony, no permit number</i>
12.04	Palmer, Martin, 1990-1995 <i>Boron isotope geochemistry, permit # 1421</i>
12.05	Parkhurst, William, 1991-1996 <i>Computerized fuel monitoring studies, no permit number</i>
12.06	Parry, William, 1985 <i>Geochemical modeling study of Boundary Creek hydrothermal systems, no permit number</i>
12.07	Payette, Jacqueline, 1992-1993 <i>Taphonomic observations on large animal carcasses (Archaeology), permit # 1504</i>
12.08	Pearson, Scott, 1991-1993 <i>Avian ecology, permit # 1464</i>
12.09	Peek, James, 1987-1991 <i>Bull elk ecology, permit # 234</i>
12.10	Pentecost, Allan, 1988-1989 <i>Precipitation of calcite at Mammoth Hot Springs, permit # 289</i>
12.11	Peterson, Donald, 1984-1989 <i>Tertiary volcanic rocks, no permit number</i>
12.12	Pfister, Robert, 1985-1988 (1 of 2) <i>Riparian vegetation study, permit # 94</i>
12.13	Pfister, Robert, 1985-1988 (2 of 2) <i>Riparian vegetation study, permit # 94</i>
12.14	Pichel, Ferran, 1995 <i>Microbial diversity, permit # 1856</i>
12.15	Picton, Harold, 1985-1992 <i>Northern Range elk study, permit # 183</i>
12.16	Picton, Harold, 1988-1990 <i>Aging of elk teeth, permit # 1279</i>
12.17	Picton, Harold, 1991-1995 <i>Mountain Goat colonization, permit # 1476</i>
12.18	Pitt, Andrew, 1977-1990 <i>Seismic studies, no permit number</i>

Box 13

13.01	Plankey, Brian, 1991 <i>Dissolved aluminum in watersheds affected by 1988 fires, permit # 1431</i>
13.02	Pollock, Lillian, 1994 <i>Non-obsidian lithic debris (Archaeology), no permit number</i>
13.03	Pont, Adrian, 1994 <i>Survey of high altitude insects, permit # 1698</i>
13.04	Powell, Clare, 1990-1991 <i>Paleobotany, permit # 1474</i>
13.05	Price, Kevin, 1991-1995 <i>Thematic mapper and GIS data for coniferous forest succession, permit # 1471</i>
13.06	Proctor, Vernon, 1984-1997 <i>Rare tropical plant in thermal areas, permit # 96</i>
13.07	Purva, 1993-1995 <i>Environment and management issues in national parks in India and USA (Geography), permit # 1648</i>
13.08	Pushkar, Paul, 1991-1993 <i>Geochemical thermal water, permit # 1456</i>
13.09	Rabenold, Patricia, 1990-1991 <i>DNA fingerprinting of wolves, permit # 1389</i>
13.10	Reitzer, Lawrence, 1990-1991 <i>Thermophilic microorganisms, permit # 1404</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 13 (cont.)

File Unit Nbr	Title
13.11	Richmond, Gerald, 1976-1990 <i>Glacial geology, permit # 101</i>
13.12	Richter, Stan, 1992 <i>Ecology, permit # 1491</i>
13.13	Robertson, David, 1992-1993 <i>Hot springs deposits (Geochemistry), permit # 1509</i>
13.14	Rolfe, Ian, 1989 <i>Geology, no permit number</i>
13.15	Roll, Thomas, 1994-1995 <i>Cultural artifacts (Archaeology), permit # 1724</i>
13.16	Ropek, Daniel, 1986-1995 <i>Public perception of bear behavior (Sociology), permit # 203</i>
13.17	Roybal, Jane, 1989-1990 <i>Age structure in northern elk herd</i>
13.18	Rudolph, Mark, 1995 <i>CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) site inspection, permit # 1860</i>
13.19	Ruff, Robert, 1991-1993 <i>Coyote ecology, permit # 1472</i>
13.20	Runnells, Donald, 1989-1993 (1 of 4) <i>Impacts of 1988 fires on ground water quality, permit # 1321</i>
13.21	Runnells, Donald, 1989-1993 (2 of 4) <i>Impacts of 1988 fires on ground water quality, permit # 1321</i>

Box 14

14.01	Runnells, Donald, 1989-1993 (3 of 4) <i>Impacts of 1988 fires on ground water quality, permit # 1321</i>
14.02	Runnells, Donald, 1989-1993 (4 of 4) <i>Impacts of 1988 fires on ground water quality, permit # 1321</i>
14.03	Rushforth, Sam, 1981-1990 <i>Diatoms in thermal areas, permit # 108</i>
14.04	Ryan, Kevin, 1989-1994 <i>Tree, shrub, and forb mortality (Entomology), permit # 1262</i>
14.05	Sandbeck, Kenneth, 1994-1998 <i>Thermophilic denitrifiers and hydrocarbon degraders, permit # 1625</i>
14.06	Savage, Harry, 1993 <i>Mosquito ecology, permit # 1571</i>
14.07	Schaetzl, Randy, 1989 <i>[No information provided], no permit number</i>
14.08	Schemske, Douglas, 1991 <i>Epilobium spp. Reproduction, permit # 1466</i>
14.09	Schier, Marguerite, 1989 <i>Vegetation regrowth after 1988 fires, permit # 1351</i>
14.10	Schmidt, Christopher, 1995 <i>Paleomagnetic tests (Geology), permit # 1866</i>
14.11	Schmitt, James, 1986-1992 <i>Sedimentology of debris on alluvial fans, permit # 221, 1463, 1484</i>
14.12	Scott, Suvi, 1992-1994 <i>Stephens Creek restoration (Ecology), permit # 1506</i>
14.13	Sebesta, Paul, 1989-1993 <i>Aquatic ecosystems after the 1988 fires, no permit number</i>
14.14	Seelig, Joseph, 1988-1990 <i>Soil growth abilities after the 1988 fires, permit # 1259</i>
14.15	Seischab, Franz, 1989 <i>Pre-settlement forests of western New York, no permit number</i>
14.16	Serdivk, Leonard, 1990 <i>Canada goose molting area survey, permit # 171</i>
14.17	Shaffer, Nelson, 1994 <i>Sinter, travertine, tufa and related minerals, permit # 1710</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 14 (cont.)

File Unit Nbr	Title
14.18	Shaw, Nancy, 1993 <i>Seed germination of Skunkbush Sumac, permit # 1607</i>
14.19	Shelley, Rowland, 1994 <i>Millipede species, no permit number</i>
14.20	Shero, Brian, 1989-1995 <i>Fire effects on sediments in Yellowstone Lake, permit # 1316</i>

Box 15

15.01	Shiozawa, Dennis, 1987-1990 <i>Cutthroat trout evolution, permit # 235</i>
15.02	Shupe, James, 1977-1991 <i>Fluoride effects in wildlife and vegetation, permit # 111</i>
15.03	Siebert, Lee, 1994 <i>Sample collection (Geology), permit # 1720</i>
15.04	Sigurdsson, Haraldur, 1989-1990 <i>Pumice fall layers, permit # 1314</i>
15.05	Simoneit, Bernd, 1985-1995 <i>High temperature petroleum and natural gas, permit # 25</i>
15.06	Singer, Francis, 1993 <i>Elk ecology, permit # 144</i>
15.07	Sinha, A. K., 1988-1996 <i>Radioactive waste disposal, permit # 1335</i>
15.08	Sites, Jack, 1983-1987 <i>Sagebrush lizards, permit # 113</i>
15.09	Skidmore, Wesley, 1993-1994 <i>Vegetative regrowth (Fire ecology), permit # 1652</i>
15.10	Smith, Conrad, 1989-1994 <i>Local, regional, and national coverage of the 1988 fires (Sociology), permit # 1281</i>
15.11	Smith, Robin, 1987-1989 <i>Grant Village development, permit # 267</i>
15.12	Snepenger, David, 1988-1990 <i>Media and fire policy attitudes of visitors (Sociology), permit # 1265</i>
15.13	Sobey, Pam, 1989-1992 <i>Antibiotic resistance in burned and unburned soils, permit # 1355 and 1465</i>
15.14	Spaeth, Kenneth, 1993 <i>Soil erosion, no permit number</i>
15.15	Spall, W. D., 1990-1993 <i>Geochemical tomography, permit # 1398</i>
15.16	St. Lucas, Chuck, 1992-1994 <i>Ultraviolet-B intensity (Climatology), permit # 1501</i>
15.17	Stanley, William, 1993-1995 <i>Geophysical studies of Norris-Mammoth corridor, permit # 1488</i>
15.18	Steele, D. Bernie, 1986-1992 <i>Alkalophilic microorganisms ecology and physiology, permit # 226, 309, 1365</i>
15.19	Stewart, William, 1991 <i>[No information provided], no permit number</i>
15.20	Stickney, Peter, 1989-1991 <i>Plant communities following wildfires, permit # 1318</i>
15.21	Stoner, Daphne, 1995 <i>Thermophilic bacteria, permit # 1356</i>
15.22	Stoughton, Julie, 1993-1994 <i>Plants and heavy metals along Soda Butte Creek, permit # 1575</i>
15.23	Stout, James, 1983-1984 <i>Magma chemistry, no permit number</i>
15.24	Street, Brian, 1990 <i>Sand in the U.S. (Geology), permit # 1390</i>

Box 16

16.01	Streubel, Donald, 1982-1994 <i>Small mammals, permit # 117 and 1507</i>
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Box 16 (cont.)

File Unit Nbr	Title
16.02	Strobek, Curtis, 1991 <i>Bison genetics, permit # 1451</i>
16.03	Strobel, Gary, 1990-1993 <i>Soil microbes, permit # 1434</i>
16.04	Stupka-Burda, Stacy, 1994-1995 <i>Archeological inventory and site evaluation of Bridge Bay Campground and Norris Sewage Plant, permit # 1696</i>
16.05	Sturchio, Neil, 1984-1994 <i>Geochronology of hydrothermal systems, permit # 196 and 276</i>
16.06	Summer, Jay, undated <i>[No information provided], no permit number</i>
16.07	Sun, Sam, 1988-1990 <i>Butterfly tagging, permit # 299</i>
16.08	Swenson, Jon, 1984-1990 <i>Elk migration, permit # 119</i>
16.09	Taylor, Graham, 1961-1987 <i>Elk herd ecology, permit # 121</i>
16.10	Taylor, Howard, 1994-1995 <i>Ecology and chemistry of lakes and streams, permit # 305</i>
16.11	Taylor, James, 1994 <i>Backcountry campsite use (Plant ecology), permit # 1662</i>
16.12	Thiers, Harry, 1988 <i>Mushroom flora, permit # 294</i>
16.13	Thomm, Michael, 1993-1999 <i>Thermophilic bacteria, permit # 1613</i>
16.14	Thompson, J. Michael, 1978-1988 <i>Rock-water interaction, permit # 233</i>
16.15	Thompson, Kevin, 1994 <i>Skeleton collection (Archaeology), permit # 1285</i>
16.16	Thornberg, Janet, 1989-1990 <i>Phosphatic shelf deposit (Geology), no permit number</i>
16.17	Thornberry, Jacqueline, 1992 <i>Archeological site survey, permit # 1504</i>
16.18	Thurber, Mark, 1987-1991 <i>Paleomagnetic dating, permit # 262</i>
16.19	Tieszen, Larry, 1991 <i>Brucellosis in bison, no permit number</i>
16.20	Trahan, Richard, 1977-1989 <i>Public attitudes and behavior to Grizzly Bears (Sociology), permit # 1277</i>
16.21	Truesdall, Alfred, 1991 <i>Geothermal fluids, no permit number</i>
16.22	Tucker, Thomas, 1992-1993 <i>Elementary education and the Elder Hostel program, permit # 1490</i>
16.23	Turekian, Karl, 1987-1989 <i>Hot spring water cycling time, permit # 254</i>

Box 17

17.01	Turekian, Karl, 1991 <i>Delivery of fine aerosol particles, permit # 1448</i>
17.02	Turner, Monica, 1991 <i>Cause and consequences of large-scale fires, permit # 1358 and 1380</i>
17.03	Tysdal, Russell, 1982-1990 <i>Cretaceous strata (Geology), permit # 257</i>
17.04	Vales, David, 1988-1992 <i>Elk antler characteristics, permit # 1266</i>
17.05	Van Nort, Jackie, 1989 <i>Regeneration of lodgepole pine following 1988 fires, permit # 1308</i>
17.06	Vanyo, James, 1984-1992 <i>Stromatolite growth rates (Geology), permit # 127</i>

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Box 17 (cont.)

File Unit Nbr	Title
17.07	Vergniolle, Sylvie, 1995 <i>Acoustic measurements of geysers (Geology), permit # 1836</i>
17.08	Vertucci, Frank, 1988-1990 <i>Water quality and the 1988 fires, permit # 1276</i>
17.09	Vyse, Ernest, 1989-1995 <i>DNA fingerprinting of coyotes and grizzly bears, permit # 1283</i>
17.10	Wagner, Walter, 1990 <i>Low tritium water, permit # 1429</i>
17.11	Weaver, John, 1989-1990 <i>Wolf predation of elk and moose, permit # 1280</i>
17.12	Weber, Hans, 1995 <i>Gentia detonsa ecology (Botany), permit # 1712</i>
17.13	Wegel, John, 1976-1987 <i>Riverside geyser, no permit number</i>
17.14	Weisfield, Andrew, 1988-1989 <i>Algae in thermal areas, permit # 304</i>
17.15	Weiss, Russell, 1993 <i>Geothermal conduits (Geology), permit # 1581</i>
17.16	Wells, Wade, 1989-1993 <i>Mudslide hazard reconnaissance, permit # 1354</i>
17.17	Wenner, David, 1997 <i>Geochemistry of thermal water, permit # 1968</i>
17.18	Whitcomb, Robert, 1986-1987 <i>Leafhoppers, permit # 217</i>
17.19	White, Donald, 1978-1990 <i>Mapping thermal features, permit # 132</i>
17.20	Whiting, Peter, 1986-1990 <i>Flow and sediment transport permit # 236</i>
17.21	Whitley, Thomas, 1992-1995 <i>Prehistoric high altitude settlement (Archaeology), permit # 1503</i>

Box 18

18.01	Whitten, April, 1992-1994 <i>Paleo-Indians (Archaeology), permit # 1550</i>
18.02	Williams, John, 1991 <i>Coyote behavior, no permit number</i>
18.03	Wing, Scott, 1982-1987 <i>Plant fossils (Paleobotany), permit # 244</i>
18.04	Wise, Richard, 1992 <i>Electrical geophysics, permit # 1488</i>
18.05	Wittek, Ellen, 1989-1990 <i>Turbidity levels of sulfates, permit # 1360</i>
18.06	Wolfram, Jim, 1983-1994 <i>Thermophilic organisms, permit # 136</i>
18.07	Worley, Dave, 1979-1990 <i>Parasites of elk, permit # 136, 137, 274</i>
18.08	Wright, W. E., 1986-1988 <i>Sedimentation rates, permit # 199</i>
18.09	Wu, Shi-Keui, 1987-1990 <i>Pond snails (Physa), permit # 265</i>
18.10	Zebker, Howard, 1989-1990 <i>Radar forest ecology of burned areas, permit # 1351</i>
18.11	Ambroz, Jessica, 1996-1998 <i>Analysis of obsidian (Archaeology), permit # 1986</i>
18.12	Anderson, Jay, 1989-1996 <i>Post-fire floristic development (Plant ecology), permit # 1962</i>
18.13	Anderson, Stanley, 1993-1996 <i>Jackson elk herd, permit # 1702</i>
18.14	Andrews, Ken, 1983-1999 <i>Thermophilic diatoms, permit # 3</i>

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Box 18 (cont.)

File Unit Nbr	Title
18.15	Ashe, John, 1997 <i>Obsidian Cliff lithic material, permit # 2075</i>
18.16	Barmore, William, 1984-1993 <i>Ungulate ecology, no permit number</i>
18.17	Barringer, Mark, 1994-1996 <i>History of Yellowstone Park Company, permit # 1864</i>
18.18	Barthell, John, 1996-1997 <i>Solitary bees, permit # 1932</i>
18.19	Beauchamp, David, 1996-1998 <i>Interactions of lake trout and cutthroat trout, permit # 1988</i>
18.20	Bellamo, Randy, 1989-1996 <i>Actualistic studies of fire use (Archaeology), permit # 1337</i>
18.21	Bissonette, John, 1989-2000 (1 of 2) <i>Pine marten (Ecology), no permit number</i>
18.22	Bissonette, John, 1989-2000 (2 of 2) <i>Pine marten (Ecology), no permit number</i>
18.23	Bogan, Michael, 1997-1999 <i>Bat roosts in historic park structures, permit # 1882</i>
18.24	Bondello, Mick, 1997-1998 <i>Natural resource managers, permit # 2094</i>
18.25	Bott, Thomas, 1997 <i>Fluorinated organic compounds, permit # 2046</i>
18.26	Brass, James, 1989-1996 <i>Biomass combustion, permit # 1330</i>
18.27	Brewster, Wayne, 1990-1992 <i>Wolf reintroduction, no permit number</i>
18.28	Brumbaugh, Shawn, 1996 <i>Interactions between herbivores, willows, and insects, permit # 1928</i>
18.29	Brunk, Clifford, 1998-1999 <i>Korarchaea (Microbiology), permit # 3001</i>
18.30	Burggiat, Siegfried, 1993-1994 <i>Thermophilic prokaryotes, permit # 1589</i>
18.31	Butts, Thomas, 1995-1996 <i>Bats, permit # 1806</i>
18.32	Byerly, Don, 1997 <i>Geoscience education, permit # 2062</i>
18.33	Byorth, Patrick, 1994-1997 <i>Arctic grayling, permit # 1716</i>
18.34	Carter, Thomas, 1996-1997 <i>Architectural history, permit # 2060</i>
18.35	Cates, Rex, 1991-1999 <i>Willow ecology, permit # 1494</i>
18.36	Chmurny, Alan, 1995-1996 <i>Bioactive microbial metabolites, permit # 1876</i>
18.37	Clark, Larry, 1998 <i>Biosafety of Brucella abortus vaccine RB51, permit # 3030</i>
18.38	Clegg, Kent, 1998 <i>Ultralight aircraft/whooping crane project, permit # 2166</i>
18.39	Coghenour, Michael, 1988-1994 <i>Grazing, biomass, and nitrogen responses, permit # 273</i>
18.40	Coghenour, Michael, 1997-2002 <i>Bison ecology, permit # 2154</i>
18.41	Cole, Mariette, 1997-1998 <i>Lichenicolous fungi, permit # 2080</i>
18.42	Compton, Gail, 1992-1997 <i>Visitor-Wildlife study, permit # 1497</i>
18.43	Consolo-Murphy, Susan, 1988-1999 <i>Mid-sized carnivores and beavers, permit # 1631, 5016</i>

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File Unit Nbr	Title
18.44	Davies, David, 1998 <i>Biofilm communities, permit # 3042</i>
18.45	Death, Russell, 1998-1999 <i>Invertebrate diversity, permit # 3044</i>
18.46	Dombroski, Emil, 1997-2000 <i>Thermophilic bacteria, permit # 2086</i>
18.47	Eggleston, Carrick, 1996-1997 <i>Microbial growth in thermal areas, permit # 2010</i>
18.48	Finn, Carol, 1997 <i>Crustal structure and composition (Geology), permit # 2048</i>
18.49	Foos, Annabelle, 1998 <i>Hot spring geochemistry, permit # 3012</i>
18.50	Fournier, Robert, 1995-1997 <i>Geochemistry of thermal water, permit # 38</i>
18.51	Fritz, William, 1994-1996 <i>Lake Butte fossils, permit # 1674</i>
18.52	Gansecki, Cheryl, 1992-1996 <i>Volcanic rock chemistry, permit # 1510</i>
18.53	Gelfand, David, 1995-1999 <i>DNA polymerases in hot springs, permit # 1896</i>
18.54	Genter, Dave, 1997 <i>Bat survey, permit # 2104</i>
18.55	Glenn, David, 1997 <i>Forest ecology, permit # 1822</i>
18.56	Greenwald, Emily, 1998 <i>Photography and geography in national parks, permit # 2178</i>
18.57	Greimel, Susan, 1994-1996 <i>Thermal area microbiology, permit # 1706</i>

Box 19

19.01	Gresswell, Robert, 1990-1995 (1 of 2) <i>Cutthroat trout, no permit number</i>
19.02	Gresswell, Robert, 1990-1995 (2 of 2) <i>Cutthroat trout, no permit number</i>
19.03	Grossman, Matthew, 1995-1999 <i>Thermophilic microorganisms, permit # 1872</i>
19.04	Hansen, David, 1995-1999 <i>Geochemistry of Obsidian Cliff, permit # 1886</i>
19.05	Himmel, Michael, 1981-1999 <i>Thermophilic microorganisms, permit # 155</i>
19.06	Hiza, Margaret, 1993-1998 <i>Geochemistry and geochronology, permit # 1585</i>
19.07	Hoffman, Kristy, 1998 <i>Benthic macroinvertebrates, permit # 3052</i>
19.08	Hoskins, Robert, 1996-1998 <i>Politics of wolves (American Studies), permit # 1922</i>
19.09	Howland, John, 1996-1999 <i>Microbiology of hot springs, permit # 1924</i>
19.10	Huntly, Nancy, 1989-2000 <i>Effect of voles on riparian areas, permit # 1597</i>
19.11	Hutto, Richard, 1989-1998 <i>Effect of fires on Rocky Mountain Landbirds (Ornithology), permit # 1338</i>
19.12	Ingebritsen, Steve, 1995-1996 <i>Response of geysers to small strains in the Earth (Geology), permit # 1912</i>
19.13	Jackson, Don, 1997 <i>Fire monitoring (Ecology), permit # 2114</i>
19.14	Jensen, Allen, 1996-1999 <i>Brucella vaccine RB51, permit # 1413</i>
19.15	Jensen, Earl, 1990-1997 <i>Wildflower taxonomy, permit # 1413</i>

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Box 19 (cont.)

File Unit Nbr	Title
19.16	Johns, Lewis, 1997-1998 <i>Grotto geyser duration and interval, permit # 2120</i>

Box 20

20.01	Johnson, Mark, 1992-1997 <i>Wildlife diseases, permit # 1477</i>
20.02	Jones, Timothy, 1992-1999 <i>Paleoecology, permit # 1498</i>
20.03	Kargel, Jeffrey, 1996-2000 <i>Geochemistry and reflectance spectroscopy, permit # 1960</i>
20.04	Karsmizki, Kenneth, 1995-1999 <i>Fountain Soldier Station (Archaeology), permit # 1900</i>
20.05	Kedar, Sharon, 1991-1996 <i>Old Faithful seismology, permit # 1474</i>
20.06	Keigley, Richard, 1991-1995 <i>Fluvial landforms and riparian vegetation, permit # 1481</i>
20.07	Keith, Jeffrey, 1996-1999 <i>Geochemistry of volcanic rock, permit # 1998</i>
20.08	Kelly, Robert, 1991-1992 <i>High temperature bacteria, permit # 1441</i>
20.09	Kendal, Catherine, 1995-1997 <i>Whitebark pine, permit # 1838</i>
20.10	Kenner, Glenda, 1992 <i>National parks as island ecosystems, no permit number</i>
20.11	King, Kurt, 1995-1998 <i>Benthic macroinvertebrates, permit # 1680</i>
20.12	Knight, Richard, 1972-1997 (1 of 3) <i>Grizzly bear population dynamics, permit # 165</i>
20.13	Knight, Richard, 1972-1997 (2 of 3) <i>Grizzly bear population dynamics, permit # 165</i>

Box 21

21.01	Knight, Richard, 1972-1997 (3 of 3) <i>Grizzly bear population dynamics, permit # 165</i>
21.02	Koo, Laura, 1997-1998 <i>Biochemistry, permit # 2138</i>
21.03	Koteen, Laurie, 1998 <i>White pine blister rust, permit # 2172</i>
21.04	Leigh, John, 1997-1998 <i>Isolation of sulfobus (Microbiology), permit # 2028</i>
21.05	Leniham, Daniel, 1996 <i>Yellowstone Lake cultural resource survey (Archaeology), permit # 1978</i>
21.06	Levine, Judah, 1981-1998 <i>Long-term tilt (Geology), permit # 1344</i>
21.07	Lingo, Kathy, 1994-1996 <i>Cultural resources survey (Historic roads), permit # 1718</i>
21.08	Legg, Kristin, 1994-1996 <i>Bighorn sheep, permit # 1688</i>
21.09	Loendorf, Lawrence, 1994-1997 <i>Ethnography of Yellowstone, permit # 1637</i>
21.10	Loercher, Gerhard, 1998 <i>Imaging spectroscopy (Geology), permit # 3048</i>
21.11	Macaskie, Lynne, 1993-1999 <i>Photosynthetic microorganisms, permit # 1642</i>
21.12	Mack, Lauryl, 1996 <i>Utilization rates of willows, permit # 1916</i>
21.13	Martinez, Sam, 1997 <i>Geysers, caves and abandoned mines, bats, permit # 2088?</i>
21.14	Massey, Garth, 1997 <i>Visitor use of technology survey (Sociology), permit # 2026</i>

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present (cont.)*

Box 21 (cont.)

File Unit Nbr	Title
21.15	McKnight, Kent, 1980-1997 <i>Mushrooms and fungi, permit # 1440</i>
21.16	Meier, Peter, 1996-1997 <i>Effects of grazing on stream ecosystems, permit # 1972</i>
21.17	Melosh, Josh, 1997 <i>Martian hydrothermal systems, permit # 2128</i>
21.18	Meyer, Joe, 1996 <i>General ecology fieldtrip and rainbow trout research, permit # 1914, 1926</i>
21.19	Mila, Borja, 1996-1999 <i>Neotropical migrating birds, permit # 1946</i>
21.20	Miles, Derek, 1997 <i>Greater Yellowstone mapping project, permit # 2024</i>
21.21	Miller, Jennifer, 1996 <i>Stream ecosystems, permit # 1810</i>
21.22	Mink, Leland, 1998 <i>Headwaters watershed course, permit # 3020</i>
21.23	Montague, Cliff, 1988-1998 <i>Soil nutrient comparison and grasslands ecology, permit # 1261, 2056</i>
21.24	Moody, David, 1993-1999 <i>Grizzly bear aversive conditioning, permit # 106</i>
21.25	Muhlbauer, Ritva, 1996-1999 <i>Thermophilic bacteria, permit # 2020</i>
21.26	Nimmo, Del, 1996-1997 <i>Metallic contamination of sediment, permit # 1996</i>

Box 22

22.01	Noll, Kenneth, 1995-1998 <i>Microbiology of hot springs, permit # 1878</i>
22.02	Ostrum, Peggy, 1998 <i>Biochemistry of bone proteins, permit # 3068</i>
22.03	Ottmar, Roger, 1997 <i>Fuels management, permit # 2110</i>
22.04	Parks, Stanley, 1994-1997 <i>Road archeological inventory, permit # 1668</i>
22.05	Paszczynski, Andrzej, 1994-1997 <i>Microbiology of hot springs, permit # 1674</i>
22.06	Pentecost, Allan, 1997-1999 <i>Geomorphology and microbial structures, permit # 2030</i>
22.07	Phillips, Mike, 1995-1997 <i>Wolf ecology, permit # 1818</i>
22.08	Podruzy, Shannon, 1995-1999 <i>Grizzly bear ecology, permit # 1892</i>
22.09	Polziehn, Renee, 1996 <i>Elk genetics, permit # 2014</i>
22.10	Priscu, John, 1984-1998 <i>Aquatic ecology fieldtrips, permit # 95</i>
22.11	Reis, Mario, 1992-1996 <i>Natural watercolors (Microbiology of hot springs), permit # 1514</i>
22.12	Riggin, Phillip, 1998 <i>Effects of fire on watersheds, permit # 3008</i>
22.13	Roberts, Wendy, 1996-1998 <i>Amphibian populations and alpine pond ecology, permit # 2036</i>
22.14	Roemhild, George, 1990-1995 <i>Aquatic macroinvertebrates, permit # 1432</i>
22.15	Rojstaczer, Stuart, 1995-2000 <i>Origin and evolution of Yellowstone hydrothermal system, permit # 1912</i>
22.16	Rotella, Jay, 1995-1998 <i>Ecology of cavity-nesting birds, permit # 1862</i>
22.17	Runnegar, Bruce, 1993-1996 <i>Biostratigraphy (Geology), permit # 1642</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 22 (cont.)

File Unit Nbr	Title
22.18	Runnion, Kenneth, 1989-1996 <i>Microorganisms in extreme environments, permit # 272</i>
22.19	Santucci, Vincent, 1996-1999 <i>Paleontology survey, permit # 1984</i>
22.20	Scarce, James, 1996-1997 <i>Wolves and social construction of nature (Sociology), permit # 1970</i>
22.21	Schneider, Luke, 1995-1999 <i>Biological treatment of high sulfate waste, permit # 1906</i>
22.22	Sensenig, Ryan, 1998 <i>Natural history of water, permit # 3022</i>

Box 23

23.01	Shovic, Henry, 1986-1996 <i>Soil survey, permit # 239</i>
23.02	Stohlgren, Thomas, 1996-1998 <i>Native plants and invasive weeds, permit # 1948</i>
23.03	Storm, Jonathan, 1995-1996 <i>Bioacoustics and geothermal audio sampling, permit # 1898</i>
23.04	Sweaney, Jim, 1986-1997 <i>Gypsy moth survey, permit # 2068</i>
23.05	Tyers, Dan, 1989-1999 <i>Moose ecology, permit # 1284 and 1854</i>
23.06	U.S. Fish and Wildlife Service, 1977-1990 <i>Aquatic ecosystem, permit # 1370</i>
23.07	Urban, Richard, 1998 <i>Geology sample, permit # 3046</i>
23.08	Valdez, Ernest, 1995-1997 <i>Myotis occultus (Bat) study, permit # 1882</i>
23.09	Valley, John, 1996-1998 <i>Low 18-oxygen rhyolites (Geology), permit # 1958</i>
23.10	Van Kirk, Robert, 1997-1999 <i>Stream habitat assessment, permit # 2026</i>
23.11	Vesper, Steve, 1994-1998 <i>Thermophilic methylotrophs, permit # 1674</i>
23.12	Wallace, Linda, 1987-1998 (1 of 2) <i>Impacts of grazing and fire, permit # 195, 1379, 1420, 1450, 1635</i>

Box 24

24.01	Wallace, Linda, 1987-1998 (2 of 2) <i>Impacts of grazing and fire, permit # 195, 1379, 1420, 1450, 1635</i>
24.02	Wardlow, Lisa, 1997 <i>High school biology class, permit # 2118</i>
24.03	Warthin, Scott, 1998 <i>Lymnaea caperata wathini (Snail), permit # 3066</i>
24.04	Waser, Peter, 1994-1998 <i>Red fox ecology, permit # 1690</i>
24.05	Webb, Robert, 1997-1999 <i>Jackson photography, permit # 2054</i>
24.06	Weight, Willis, 1997-1998 <i>Hydrology of Soda Butte drainage, permit # 2022</i>
24.07	Willis, Bob, 1995-1997 <i>Eighth grade field trip (Ecology), permit # 1894</i>
24.08	Woodward, Dan, 1997-1998 <i>Trout and geothermal effects, permit # 2044</i>
24.09	Zeikus, J. Gregory, 1980-1998 <i>Thermophilic bacteria, permit # 198</i>

Box 25

25.01	Affourtit, Tom, 2000-2002 <i>Road to Improvement public survey, permit # 5144</i>
25.02	Alger, Russell, 2000 <i>Snowmobile trail degradation study, permit # 5058</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 25 (cont.)

File Unit Nbr	Title
25.03	Allen, Carlton, 1997-1999 <i>Bacteria in carbonate hot springs, permit # 2052</i>
25.04	Allen, Thomas, 1999 <i>Butterfly larvae, permit # 4014</i>
25.05	Ammirati, Joe, 1997-1999 <i>Cortinarius (Mycology), permit # 4082</i>
25.06	Arenz, Cody, 1994-2001 <i>Bison anti-predator behavior, permit # 1714</i>
25.07	Baker, Randall, 1999-2000 <i>Accessibility at Norris Geysers Basin, permit # 5034</i>
25.08	Barkan, David, 1988-2000 <i>Geochemistry, permit # 1302</i>
25.09	Filming and Science Field Trips, 1995-2001 <i>Barnes, Sue, Nova film segment, permit # 4094 Science Field Trips: Copeland, Gary, permit # 5164; Gardner, Jim, permit # 4032; Garfield, Douglas, permit # 2170; Graves, John, permit # 2092; Hall, Cynthia, permit # 4054; Hanson, Robert, permit # 1832; Hosey, Laurie, permit # 5076; Hum, Christina, permit # 4044; Jensen, Alina, permit # 4048; Kaye, Steven, permit # 4030</i>
25.10	Barrie, Elizabeth, 1998-2005 <i>Impacts from participants perspective (Interpretation), permit # 3040</i>
25.11	Berger, Joel, 1995-2003 <i>Behavioral biogeography (responses of bison to simulated predators), permit # 2022, 5186</i>
25.12	Bindeman, Ilya, 2000-2002 <i>Yellowstone calderas, permit # 1958</i>
25.13	Birkholz, Dick, 1995-1999 <i>Ecological variation in Yellowstone River (Education), permit # 1880</i>
25.14	Boyce, Mark, 1987-1991 <i>Wolf ungulate modeling, permit # 286</i>
25.15	Braman, Jeff, 1994-1997 <i>Thermophilic microorganisms, permit # 1722</i>
25.16	Brantley, Susan, 1997-2002 <i>Carbon dioxide emissions, permit # 2002</i>
25.17	Brenchley, Jean, 1997-1999 <i>Chemistry gas fluxes and microbiology, permit # 2050</i>
25.18	Brock, Thomas, 1998-2002 <i>Thermophiles (Education), permit # 4028</i>
25.19	Brody, Michael, 1999-2000 <i>Visitor understanding of life in hot springs, permit # 5036</i>
25.20	Brown, Peter, 1999 <i>Tree ring study (Paleoclimatology), permit # 4016</i>
25.21	Caywood, Jenene, 1996-1999 <i>Historic concession and administrative buildings, permit # 1938</i>
25.22	Chamberlain, C. Page, 2000-2005 <i>Rocky Mountain paleontology, permit # 5082</i>
25.23	Christiansen, Robert, 1978-2002 <i>Volcanology and petrology of Yellowstone, permit # 24</i>
25.24	Clow, David, 1998-2000 <i>Chemistry of lakes, permit # 5008</i>
25.25	Colman, Robert, 1996-1999 <i>People-animal encounters (Sociology), permit # 1940</i>
25.26	Combie, Joan, 1987-2000 <i>Thermophilic microorganisms, permit # 247, 248, 249, 272, 283, 285</i>
25.27	Compas, Eric, 2000-2002 <i>Spatial patterns and socioeconomic factor of EIS public comments (Geography), permit # 5130</i>
25.28	Corbin, Annalies, 2001-2003 <i>Marshall Firehole Hotel archaeology project, permit # 5226</i>
25.29	Denke, Patricia, 1991-1999 <i>Mosquito distribution, permit # 1449</i>
25.30	DiRuggiero, Jocelyne, 1998-2002 <i>Thermophilic microorganisms, permit # 4056</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 25 (cont.)

File Unit Nbr	Title
25.31	Feeley, Todd, 1996-2002 <i>Eocene potassic volcanism (Geology), permit # 2032</i>
25.32	Freimund, Wayne, 1998-2002 <i>Visitors (winter use and interactions with wolves), permit # 3078, 4086</i>
25.33	French, Steven, 1986-2003 (1 of 2) <i>Grizzly bear ecology, permit # 197</i>
25.34	French, Steven, 1986-2003 (2 of 2) <i>Grizzly bear ecology, permit # 197</i>

Box 26

26.01	Friedman, Irving, 1977-1997 (1 of 2) <i>Thermal chloride flux, permit # 44 and 1561</i>
26.02	Friedman, Irving, 1977-1997 (2 of 2) <i>Thermal chloride flux, permit # 44 and 1561</i>
26.03	Fuhrmann, Robert, 1993-1998 <i>Red fox ecology, no permit number</i>
26.04	Gallatin National Forest Avalanche Center, 1994-2000, 1994-2000 <i>Mount Washburn datalogger, no permit number</i>
26.05	Garrott, Robert, 1998-2002 <i>Winter recreation effects on wildlife, permit # 3032</i>
26.06	Garrott, Robert, 1999-2000 <i>Pronghorn populations, permit # 4064</i>
26.07	Germino, Matthew, 2001-2002 <i>Plant physiological ecology in geothermal areas, permit # 5196</i>
26.08	Gese, Eric, 1993-1995 <i>Coyote ecology, no permit number</i>
26.09	Getz, Wayne, 2000-2003 <i>Carrion impacts on plant communities (Ecology), permit # 5078</i>
26.10	Gogan, Peter, 1997-2001 <i>Bison seasonal movements and habitat selection, permit # 2146</i>
26.11	Gogan, Peter, 1994-2000 <i>Protocol for the capture, restraint, and radio-collaring of bison, permit # 3054</i>
26.12	Gogan, Peter, 1996-2001 <i>Bison population characteristics, permit # 2152</i>
26.13	Gogan, Peter, 1992-1999 <i>Mule deer ecology, permit # NBS</i>
26.14	Gregory, Richard, 1998-2001 <i>Protein comparison of Thermophiles and oral bacteria, permit # 3006</i>
26.15	Gunther, Kerry, 1988-2000 (1 of 2) <i>Grizzly bear management, wildlife disease monitoring, road kill wildlife monitoring, rare mammal monitoring, visitor impact on grizzly bear activity, wildlife DNA tissue banking, permit # 268, 1433, 4006, 4000, 4002, 4004, 1292</i>
26.16	Gunther, Kerry, 1988-2000 (2 of 2) <i>Grizzly bear management, wildlife disease monitoring, road kill wildlife monitoring, rare mammal monitoring, visitor impact on grizzly bear activity, wildlife DNA tissue banking, permit # 268, 1433, 4006, 4000, 4002, 4004, 1292</i>
26.17	Halfpenny, James, 1986-1994 <i>Mammal signs class and bear trees, permit # 201, 1583</i>
26.18	Hall, Robert, 2001-2002 <i>Biocomplexity incubation activity, permit # 5222</i>
26.19	Hansen, Andrew, 1993-1998 <i>Landscape heterogeneity (Ecology), permit # 1684</i>
26.20	Hansen, Katherine, 1991-2000 <i>Dating beaver cutting activity (Crabtree, Robert), whitebark pine tree age and geographic influences (Spector, David), snow pack distribution (Farnes, Phillip; Heydon, Carolyn), whitebark pine cone production (Morrill, Adam), permit # 1458, 3002, 3003, 4058</i>
26.21	Heckman, Richard, 1985-2004 <i>Fish parasites, permit # 154 and 1884</i>
26.22	Hendricks, Paul, 1998-1999 <i>Bat survey, permit # 5024</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 26 (cont.)

File Unit Nbr	Title
26.23	Henry's Fork Foundation, 1999 <i>Henry's Fork basin habitat assessment, no permit number</i>
26.24	Hildebrant, Mark, 2003-2004 <i>Effects of forest fires (Geography), permit # 5394</i>
26.25	Hobart, John, 1998-2000 <i>Bubble producing geysers, permit # 3034</i>
26.26	Irby, Lynn, 1995-1998 <i>Bison forage relationship, permit # 1930</i>
26.27	Irby, Lynn, 1996-2000 <i>Bighorn sheep ranges, permit # 2012</i>
26.28	Irby, Lynn, 1997-2003 <i>Forage availability and use patterns, permit # 2150</i>
26.29	Jakubauskas, Mark, 1992-2000 <i>Forest ecology?, no permit number</i>
26.30	Jaworowski, Cheryl, 1993-1999 <i>Digital quaternary geologic map, permit # 1595 and 3010</i>
26.31	Jennings, Steve, 1999 <i>Impact of bison on perennial streams, permit # 4088</i>
26.32	Johnson, Ann, 1988-2000 <i>Obsidian fingerprinting, archaeology of Yellowstone, permit # 1263, 1874</i>
26.33	Johnson, John, 2000 <i>Ecology field trip, permit # 5098</i>
26.34	Jones, Warren, 1997 <i>Ecology field trip, permit # 2102</i>
26.35	Kado, Norman, 1997-2000 <i>Snowmobile emissions, permit # 3082</i>
26.36	Kahin, Sharon, 2001 <i>Sheepeters video educational project, permit # 5236</i>
26.37	Katzman, Danny, 2001-2004 <i>Forest fire ash, no permit number</i>
26.38	Keating, Kim, 1999 <i>Seven-spotted ladybird beetle impacts, permit # 4012</i>
26.39	Keigley, Richard, 1995-1999 <i>Browsed willow transects, no permit number</i>
26.40	Kerans, Billie, 1997-1999 <i>New Zealand mud snail distribution, permit # 2108</i>
26.41	Kiefling, John, 1999 <i>New Zealand mud snail monitoring, permit # 5022</i>
26.42	Knight, Dennis, 1995-2000 <i>Forest ecology and coarse woody debris, permit # 1870</i>
26.43	Kokaly, Raymond, 1996-2003 <i>Mapping mineralogy, vegetation, and microorganisms, permit # 1980</i>
26.44	Kost, R. J., 1999 <i>Math and science field trip, permit # 4046</i>
26.45	Kulpa, Charles, 1997 <i>Microbial biodesulfurization, permit # 2124</i>
26.46	Science Field Trips, 1990-2000 <i>Kunkel, John, permit # 1386 and 1808; Linsley-Kennedy, Ann, permit # 5142; McLean, Josy, permit # 5166; McWilliams, Tim, permit # 5158; Nelson, Stuart, permit # 5080; Rock, Larry, permit # 4020; West, Christine, permit # 4034; Willis, Robert, permit # 5160</i>
26.47	Kunselman, Raymond, 1989-2002 <i>Obsidian studies, permit # 1396 and 3302</i>
26.48	Laundre, John, 1988-2004 <i>Mountain goats in the Greater Yellowstone Ecosystem, impact of wolf reintroductions on elk and bison, permit # 280, 1952</i>

Box 27

27.01	Lawrence, Rick, 1999-2001 <i>Snow cover and green biomass mapping, permit # 4024</i>
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 01 *Permits and Projects, 1954-Present (cont.)*

Box 27 (cont.)

File Unit Nbr	Title
27.02	Legg, Michael, 1999-2000 <i>Backcountry campers characteristics and attitudes, permit # 4072</i>
27.03	Lehmberg, Verne, 1984-2002 <i>Firehole River water quality, permit # 167 and 5276</i>
27.04	Lowe, Don, 1996-2003 <i>Siliceous deposits in geothermal areas, educational field trip, permit # 1954, 5210</i>
27.05	Mack, John, 2000-2001 <i>Coyote density, permit # 5132</i>
27.06	Magee, James, 1997-2000 <i>Fluvial arctic grayling recovery, permit # 1716</i>
27.07	Mahony, Dan, 1999-2000 <i>Rainbow and brook trout study, no permit number</i>
27.08	Markowitz, Henry, 1997-2003 <i>Radiodurans suscepta humana project (Cancer research), no permit number</i>
27.09	Martin, Andrew, 2001-2002 <i>Impact of climate change on alpine and insect diversity, permit # 5230</i>
27.10	McClenden, Terry, 1997-2000 <i>Testing ecological model, permit # 2098</i>
27.11	McEaney, Terry, 1984-1999 <i>Bird field guide, Yellowstone bird ecology, permit # 75, 1347</i>
27.12	Meagher, Mary, 1990-1997 <i>Bison ecology, bighorn sheep ecology, brucellosis in bison, permit # 147, 182, NBS</i>
27.13	Menge, Christopher, 2000 <i>Noise measurements, permit # 5062</i>
27.14	Merrill, Evelyn, 1989-1998 (1 of 2) <i>Remote sensing of vegetation recovery, effects of flooding and browsing on biomass allocation patterns, permit # 1287, 3036</i>
27.15	Merrill, Evelyn, 1989-1998 (2 of 2) <i>Remote sensing of vegetation recovery, effects of flooding and browsing on biomass allocation patterns, permit # 1287, 3036</i>
27.16	Minghua, Ren, 1998-2000 <i>Feldspar in high-silica rhyolite (Petrology), permit # 3016</i>
27.17	Montgomery, Homer, 2001-2003 <i>Geology and ecology classes, permit # 5218</i>
27.18	Moore, Johnnie, 1999-2000 <i>Redox processes controlling arsenic mobility (Geochemistry), permit # 4076</i>
27.19	Moseley, Bob, 1991-2000 <i>Wetlands conservation planning, permit # 1455</i>
27.20	Muldoon, Maureen, 2000-2002 <i>Geology and hydrogeology (Education), permit # 5088</i>
27.21	Nickerson, Ken, 2000-2002 <i>Naturally occurring pyrroloquinoline quinone dependent bacteria, permit # 5122</i>
27.22	Noble, Chris, 1998-2002 <i>Wetlands assessment, permit # 3062</i>
27.23	Norton, Daniel, 1988-2003 (1 of 2) <i>Geothermal monitoring, fire impact studies (Geochemistry), riparian zone monitoring, permit # 44, 1381, 1541</i>
27.24	Norton, Daniel, 1988-2003 (2 of 2) <i>Geothermal monitoring, fire impact studies (Geochemistry), riparian zone monitoring, permit # 44, 1381, 1541</i>
27.25	Nykerk, Sandra, 1997-2000 <i>Pilgrims and rituals in Yellowstone (Cultural Anthropology), permit # 2078</i>
27.26	Oakes, Timothy, 2000-2002 <i>Policy, culture, and historical narrative of bears (Environmental history), permit # 5178</i>
27.27	Oberg, Craig, 1997-1999 <i>High school teachers workshop, permit # 2082</i>
27.28	Olson, Gregory, 1996-2002 <i>Hot spring microbiology, permit # 1990</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 27 (cont.)

File Unit Nbr	Title
27.29	Parr, Christopher, 2000-2001 <i>Geochemistry (Education), permit # 5148</i>
27.30	Patten, Duncan, 1999 <i>Watershed analysis (Ecology), permit # 5000</i>
27.31	Peterson, William, 1997 <i>Thermophilic bacteria, permit # 2142</i>
27.32	Pfaff, Rhonda, 2001-2002 <i>Geochemical modeling, permit # 5244</i>
27.33	Pickett, Frank, 1994-2005 (1 of 2) <i>Water quality monitoring study, permit # 4096</i>
27.34	Pickett, Frank, 1994-2005 (2 of 2) <i>Water quality monitoring study, permit # 4096</i>
27.35	Pugesek, Bruce, 1997-2000 <i>Moose ecology, permit # 2156</i>
27.36	Reid, Mary, 1999 <i>Silicic magmas, permit # 5020</i>
27.37	Reinhart, Dan, 1999 <i>Cutthroat trout spawning streams used by grizzly bears, permit # 3086</i>
27.38	Reinhart, Dan, 1995-2002 <i>Front country cutthroat spawning streams used by grizzly bears, permit # 5058</i>
27.39	Reinhart, Dan, 1999 <i>Clover patches used by grizzly bears, no permit number</i>

Box 28

28.01	Renkin, Diane, 2000 <i>Aquatic invertebrates (Xanterra children's education), permit # 5092</i>
28.02	Rillig, Matthias, 1999-2002 <i>Mycorrhizal fungi, permit # 5048</i>
28.03	Robb, Frank, 1995-2000 <i>Isolation of thermophiles, permit # 1848</i>
28.04	Robbins, Charles, 1978-1998 <i>Nutritional ecology of bears, permit # 1020</i>
28.05	Ryan, Michael, 1997-2000 <i>High temperature microbial life, permit # 2090</i>
28.06	Sands, David, 1997-2004 <i>Epiphytic bacteria of grasses, lake trout, permit # 2132, 5318</i>
28.07	Savko, Madeline, 2002-2006 <i>Douglas fir cones (Education), permit # 5296</i>
28.08	Sawyer, Paul, 2000-2002 <i>Mine waste tailings reclamation (Mankad, Vibhav), permit # 5162</i>
28.09	Shogren, Jason, 1998-2002 <i>Integrating ecology of economics, permit # 4010</i>
28.10	Silliman, Lee, 1998 <i>Archaeology photographs, permit # 3018</i>
28.11	Silver, Paul, 1995-2000 <i>Remote geyser monitoring, no permit number</i>
28.12	Sorey, Mike, 1990-1998 <i>Hot spring monitoring, permit # 1405</i>
28.13	Speece, Marvin, 1997-2000 <i>Ground penetrating radar, permit # 2112</i>
28.14	Steele, Teresa, 2001 <i>Northern elk and red deer comparison, permit # 5124</i>
28.15	Steunengerg, Peg, 1995-2002 <i>Botanical drawings, permit # 1924</i>
28.16	Stoneberg, Sierra, 1998 <i>Poa pretensis (bluegrass), permit # 3050</i>
28.17	Sullivan, Patrick, 1997-1999 <i>Geochemical determinants of microbial growth in extreme thermal environments, permit # 2010</i>
28.18	Terronez, Michael, 2001 <i>Yellowstone Lake water quality, permit # 5260</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 28 (cont.)

File Unit Nbr	Title
28.19	Theriot, Edward, 1990-2000 (1 of 2) <i>Algae diatoms, permit # 1384</i>
28.20	Theriot, Edward, 1990-2000 (2 of 2) <i>Algae diatoms, permit # 1384</i>
28.21	Thomas, Susan, 1998-2000 <i>Fungal detection and remediation, permit # 3058</i>
28.22	Thurston, Linda, 1998 <i>Denning behavior of wolves, no permit number</i>
28.23	Trent, Jonathan, 1999-2000 <i>Molecular adaptations of hyperthermophiles, eukaryotic life, permit # 1692, 5026</i>
28.24	Turick, Chuck, 1995-1999 <i>Bacterial reduction of chromate, permit # 1812</i>
28.25	Vardiman, Larry, 1998-2000 <i>Microbiology field trip, permit # 5064</i>
28.26	Varley, Nathan, 1996 <i>Otter survey, permit # 1944</i>
28.27	Ward, Bridget, 1995 <i>Hot spot and lighting ignited fires, permit # 1816</i>
28.28	Warren, Ron, 1999-2004 <i>Radionuclide concentrations, permit # 5046</i>
28.29	Weber, Keith, 2000-2001 <i>Land cover changes (GIS), permit # 5112</i>
28.30	White, Jeff, 1999-2003 <i>Snowmobile emissions, permit # 3090</i>
28.31	Wiegert, Richard, 1967-2002 (1 of 4) <i>Alkaline thermal communities (Ecology), permit # 134, RSP # YELL-N-53</i>
28.32	Wiegert, Richard, 1967-2002 (2 of 4) <i>Alkaline thermal communities (Ecology), permit # 134, RSP # YELL-N-53</i>
28.33	Wiegert, Richard, 1967-2002 (3 of 4) <i>Alkaline thermal communities (Ecology), permit # 134, RSP # YELL-N-53</i>
28.34	Wiegert, Richard, 1967-2002 (4 of 4) <i>Alkaline thermal communities (Ecology), permit # 134, RSP # YELL-N-53</i>
28.35	Williams, Dennis, 1999 <i>Educational project in marketing, permit # 3088</i>
28.36	Winternitz, Barbara, 1990-1998 <i>Aquatic insects, permit # 1353</i>
28.37	Wolff, Jerry, 2000-2002 <i>Elk breeding strategies, permit # 5254</i>
28.38	Wraith, Jon, 1999 <i>Soil water in grasslands habitats, permit # 4078</i>
28.39	Yellowstone Alpen Guides, 2000 <i>Temperature measurements during park tours, permit # 5060</i>
28.40	Zuuring, Hans, 1998-2002 <i>Lodgepole pine mortality, permit # 4066</i>

Box 29

29.01	Abbott, Mike, 2003-2006 <i>Atmospheric mercury, permit # 5412</i>
29.02	Aguilar, Carmen, 2002-2005 <i>Microbiogeochemistry, permit # 5316</i>
29.03	Bedrard, Donna, 1999-2005 <i>Thermophilic phototrophic communities, permit #5084</i>
29.04	Bekker, Matthew, 2004-2008 <i>Douglas fir establishment and glacial erratics, permit # 5448</i>
29.05	Blair, Peter, 2006-2009 <i>Microbial diversity, permit # 5608</i>
29.06	Bohrson, Wendy, 2003-2006 <i>Geochemical monitoring, permit # 5398</i>
29.07	Bona, Francesca, 2006 <i>Diatom sampling, permit # 5628</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 29 (cont.)

File Unit Nbr	Title
29.08	Bostick, Ben, 1999-2006 <i>Earth sciences college courses, permit # 5014</i>
29.09	Brussard, Peter, 1999-2003 <i>Rocky Mountain threatened species and Great Plains agricultural pests, permit # 4084</i>
29.10	Burger, John, 1990-2010 <i>Fire ecology, permit # 1408</i>
29.11	Byers, John, 1998-2002 <i>Fecundity and fawn mortality, permit # 3074</i>
29.12	Chalmers, Alice, 1976-2004 <i>Ecology of thermal communities, permit # 134</i>
29.13	Colores, Gregory, 2001-2007 <i>Thermal microorganisms, permit # 5320</i>
29.14	Davis, Leslie, 1996-2008 <i>Archeological inventory, permit # 1918</i>
29.15	Dowd, Anne, 2005 <i>Archeological investigation, permit # 5570</i>
29.16	Dysthe, Dag, 2005-2006 <i>Hot spring terrace growth, permit # 5542</i>
29.17	Elswick, Erika, 2000-2006 <i>Water chemistry, permit # 5140</i>
29.18	Fiedler, Carl, 2005-2007 <i>Whitebark pine regeneration, permit # 5540</i>
29.19	Giegengack, Robert, 2003-2006 <i>Petrology and geochemistry of calcareous tufa, permit # 5500</i>
29.20	Goins, Tresa, 2006-2009 <i>Free-living amoebae and mycobacterium, permit # 5646</i>
29.21	Harris, James, 2000-2009 <i>Mining impacts on Soda Butte Creek watershed, permit # 5070</i>
29.22	Hall, Bob, 2001-2005 <i>Educational fieldtrips, permit # 5292</i>
29.23	Hall, Bob, 1999-2007 (1 of 3) <i>New Zealand mud snails, permit # 4062</i>
29.24	Hall, Bob, 1999-2007 (2 of 3) <i>New Zealand mud snails, permit # 4062</i>
29.25	Hall, Bob, 1999-2007 (3 of 3) <i>New Zealand mud snails, permit # 4062</i>
29.26	Hugenholte, Philip, 2007-2008 <i>OP11 bacterial lineage, permit # 5674</i>
29.27	Hoehler, Tori, 2002-2008 <i>Photosynthetic independent microbial ecosystems, permit # 5304</i>
29.28	King, Susan, 2004-2006 <i>Mercury speciation and transport, permit # 5504</i>
29.29	Kharaka, Yousif, 2007-2009 <i>Dating hydrothermal water, permit # 5712</i>
29.30	Clark, Roger, 1997 <i>Imaging spectroscopy (Geology), permit # 1980</i>
29.31	Creel, Scott, 1997 <i>Behavioral endocrinology and social evolution, permit # 2136</i>
29.32	Cripps, Cathy, 1997 <i>Alpine species of <i>Inocybe</i> (Mycology), permit # 2022</i>
29.33	Cushing, Colbert, 1997 <i>Aquatic Insects, permit # 2116</i>
29.34	Edwards, Dianne, 1997 <i>Silification of plants (Geology), permit # 2130</i>
29.35	Fenio, Raymond, 1997 <i>People and nature: Yellowstone as landscape (Ethnography), permit # 2122</i>
29.36	Hadly, Elizabeth, 1997 <i>Small mammal communities, climatic change, raptor ecology, permit # 2106</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 29 (cont.)

File Unit Nbr	Title
29.37	Kinkle, Brian, 1997 <i>Microbiology of hot springs, permit # 2144</i>
29.38	Marcus, Andrew, 1997 <i>Fire effects on stream channel morphology, permit # 2028</i>
29.39	McGee, Kenneth, 1997 <i>Volcano emissions, permit # 2100</i>
29.40	Miller, Allan, 1997 <i>Small mammal biodiversity, permit # 2096</i>
29.41	Miller, Wood, 1997 <i>Sources of phosphate, permit # 2084</i>
29.42	Ripple, William, 1997 <i>Environmental monitoring, permit # 2042</i>
29.43	Rodriguez, Rusty, 1997 <i>Fungi from geothermal soils and thermotolerant plants, permit # 2024</i>
29.44	Taylor, Ralph, 1997 <i>Geyser activity, permit # 2134</i>
29.45	Van Hooser, Dwane, 1997 <i>Forest health monitoring, permit # 2038</i>
29.46	Whipple, Jennifer, 1997 <i>Sand verbena (Botany), permit # 2036</i>
29.47	Barmore, William, 1966 <i>Reproductive cycle of female pronghorn antelope, permit # 17</i>
29.48	Huang, Bingru, 2002-2005 <i>Thermal tolerant Agrostis species permit # 5312</i>
29.49	Huang, Bingru, 2003-2006 <i>Thermotolerance in Agrostis species, permit # 5454</i>

Box 30

30.01	Aiken, Stuart, 2003-2005 <i>Winter experiences of tourism service employees (Social Science), permit # 5426</i>
30.02	Alaback, Paul, 2000-2003 (1 of 2) <i>Cross boundary plant invasions, permit # 5118</i>
30.03	Alaback, Paul, 2000-2003 (2 of 2) <i>Cross boundary plant invasions, permit # 5118</i>
30.04	Anderson, Robert, 1996-2003 <i>Butterflies (Education), permit # 1920</i>
30.05	Arct, Michael, 1981-2002 <i>Dendrochronology in Yellowstone's fossil forests, permit # 4</i>
30.06	Atkinson, Eric, 2000-2005 <i>Riparian, avian, and herptilian abundance, permit # 5108</i>
30.07	Banfield, Jillian, 2000-2001 <i>Biogeochemical cycling of arsenic, permit # 5156</i>
30.08	Barbour, Michael, 2007 <i>Survey of the nation's lakes (water quality), permit # 5696</i>
30.09	Barner, James, 1993-2006 <i>Le Hardy Rapids Yellowstone cutthroat egg collection, permit # 1599</i>
30.10	Bebout, Brad, 2001-2006 <i>Production and consumption of trace gases by microbial communities, permit # 5190</i>
30.11	Beck, Linda, 2003-2006 <i>New Zealand Mud snails as potential fish disease vector, permit # 5386</i>
30.12	Bengeyfield, Pete, 2002-2003 <i>Hydrology, permit # 5332</i>
30.13	Beschta, Bob, 2001-2003 <i>Cottonwood age and diameter relationships, permit # 5272</i>

Box 31

31.01	Blum, Paul, 1993-2005 <i>Sulfolobus species lithoautotrophy and chemoheterotrophy, permit # 1555</i>
31.02	Boyce, Mark, 1987-1993 <i>Grassland biomass and climatic variation, permit # 261</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 31 (cont.)

File Unit Nbr	Title
31.03	Boyce, Mark, 2003-2007 <i>Elk behavioral ecology responses to wolf recovery, permit # 5430</i>
31.04	Boyce, Mark, 2000-2007 <i>Landscape ecology of ungulates, permit # 5172</i>
31.05	Brannon, Ernest, 1999-2005 <i>Yellowstone cutthroat hybridization and introgression, permit # 5154</i>
31.06	Camper, Ann, 1997-2005 <i>Undergraduate field trip, permit # 2102</i>
31.07	Cannon, Kenneth, 1999-2001 (1 of 2) <i>Prehistoric bison ecology, permit # 1569</i>
31.08	Cannon, Kenneth, 1999-2001 (2 of 2) <i>Prehistoric bison ecology, permit # 1569</i>

Box 32

32.01	Cannon, Kenneth, 1989-2005 (1 of 2) <i>Obsidian source material (Archeology), permit # 1569, and various archeological investigations, permit # 1334, 1412, 1573</i>
32.02	Cannon, Kenneth, 1989-2005 (2 of 2) <i>Obsidian source material (Archeology), permit # 1569, and various archeological investigations, permit # 1334, 1412, 1573</i>
32.03	Carson, Robert, 2001-2002 <i>Obsidian Cliff (Education), permit # 1994</i>
32.04	Chaffee, Maurice, 1995-2004 <i>Geochemical baselines, permit # 1828</i>
32.05	Chalmers, Alice, 1985-1990 <i>Arsenic in hot springs, permit # 193</i>
32.06	Clokey, George, 2001-2006 <i>Animal track casting (Education), permit # 5212</i>
32.07	Coble, Theresa, 2008-2009 <i>Assessing interpretive outcomes (Interpretation), permit # 5750</i>
32.08	Colwell, Alison, 2002-2003 <i>Taxonomy of Orobanchae Section Myzorrhiza, permit # 5334</i>
32.09	Cushing, Colbert, 1993-2003 <i>Stream ecology (Education), permit # 2116, 1539</i>
32.10	Darwin, Steven, 1999-2002 <i>Agrostis (Bentgrass) ecology and evolution, permit # 4018</i>
32.11	Davis, Diana, 2003-2005 <i>Bison management, permit # 5402</i>
32.12	Dean, Walter, 1997-2005 <i>Lake sediments, climate and environmental change, permit # 2054</i>

Box 33

33.01	Duffy, Walter, 1994-2005 <i>Assessing ecosystem integrity (Ecology), permit # 1804</i>
33.02	Dukas, Reuven, 2002-2005 <i>Bumblebee wolves predation, permit # 5368</i>
33.03	Eisenberger, Robert, 2001-2002 <i>Visitor experience and media effectiveness (Social Science), permit # 5202</i>
33.04	Epstein, Slava, 2000-2004 <i>Thermophilic protozoa, permit # 5138</i>
33.05	Eversman, Sharon, 1981-2003 (1 of 2) <i>Mosses, lichen, air pollution, permit # 33, 1391</i>
33.06	Eversman, Sharon, 1981-2003 (2 of 2) <i>Mosses, lichen, air pollution, permit # 33, 1391</i>
33.07	Fenio, Raymond, 1997-2004 <i>People and nature: Yellowstone as landscape (Ethnography), permit # 2122</i>
33.08	Feranec, Robert, 2002-2005 <i>Late Pleistocene mammals (Paleontology), permit # 5326</i>
33.09	Ferris, Michael, 1999-2005 <i>Eukaryotic microbial mats, permit # 3096</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 33 (cont.)

File Unit Nbr	Title
33.10	Ferris, Michael, 1999-2004 <i>Viewing microbial communities (Education), permit # 4071</i>

Box 34

34.01	Fischer, Tobias, 2003-2004 <i>Hydrocarbon distribution (Volcanology), permit # 5376</i>
34.02	Foley, Duncan, 2002-2006 <i>Geologic dating and mapping of hydrothermal features, permit # 5346</i>
34.03	Foley, Duncan, 1988-2003 <i>Hot springs deposits geology and chemistry, permit # 297</i>
34.04	Fournier, Robert, 1978-2000 (1 of 2) <i>Thermal water geochemistry, permit # 38, 141</i>
34.05	Fournier, Robert, 1978-2000 (2 of 2) <i>Thermal water geochemistry, permit # 38, 141</i>
34.06	Freimund, Wayne, 2004-2005 <i>Slough Creek area visitor use, permit # 5462</i>
34.07	Friedman, Irving, 1999-2005 <i>Chloride flux monitoring, permit # 1561</i>
34.08	Fuhrmann, Robert, 2005-2006 <i>Microbes survey (Education), permit # 5548</i>
34.09	Garrott, Robert, 1999-2002 <i>Pronghorn behavior, permit # 5042</i>
34.10	Garrott, Robert, 1997-2002 <i>Bison population aerial survey methodology, permit # 2148</i>

Box 35

35.01	Gibson, Jim, 1995-2006 <i>Limnology water samples (Education), permit # 5390, 1842</i>
35.02	Gordon, Jean-Jacques, 2002 <i>Anaerobic microbial ecosystems, permit # 5278</i>
35.03	Gogan, Peter, 2002-2003 <i>Bison management, permit # 5414</i>
35.04	Good, John, 2003-2004 <i>Birds in forested landscapes, permit # 5400</i>
35.05	Good, John, 1994-1995 <i>Late Pinedale/Holocene history of lower Gardner River, permit # 1670</i>
35.06	Grant, Thomas, 2005-2008 <i>Sand verbena, seed banking, permit # 5584</i>
35.07	Graumlich, Lisa, 2000-2003 <i>Climate variation, permit # 5168</i>
35.08	Graumlich, Lisa, 2005-2006 <i>Treeline conifer dynamics (Whitebark pine), permit # 5556</i>
35.09	Graumlich, Lisa, 1999-2005 <i>Climate variation, tree core study, permit # 5002</i>
35.10	Hale, Elaine, 2000-2005 <i>Mount Everts paleontological inventory, permit # 5234</i>
35.11	Hansen, Andrew, 2002-2005 <i>Forest response to past and future climate change, permit # 5308</i>
35.12	Hansen, Andrew, 2001-2003 <i>Aspen restoration, permit # 5246</i>

Box 36

36.01	Harmata, Alan, 1979-2005 <i>Bald eagle movement and survival, permit # 152</i>
36.02	Hawkins, Charles, 2000-2005 <i>Stream bioassessment, permit # 5106</i>
36.03	Hellman, Melanie, 2001-2002 <i>Remote sensing for hydrothermal systems, permit # 5214</i>
36.04	Hodges, Daryl, 1999-2005 <i>Cutthroat trout egg and sperm collection, permit # 4042</i>
36.05	Hornocker, Maurice, 1985-1998 (1 of 4) <i>Mountain lion ecology, permit # 56</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 36 (cont.)

File Unit Nbr	Title
36.06	Hornocker, Maurice, 1985-1998 (2 of 4) <i>Mountain lion ecology, permit # 56</i>
36.07	Hornocker, Maurice, 1985-1998 (3 of 4) <i>Mountain lion ecology, permit # 56</i>
36.08	Hornocker, Maurice, 1985-1998 (4 of 4) <i>Mountain lion ecology, permit # 56</i>

Box 37

37.01	Ruth, Toni, 2003-2007 <i>Cougar DNA Project, permit # 5350</i>
37.02	Ruth, Toni, 1998-2007 (1 of 2) <i>Cougar-wolf interactions, permit # 2162</i>
37.03	Ruth, Toni, 1998-2007 (2 of 2) <i>Cougar-wolf interactions, permit # 2162</i>
37.04	Huijser, Marcel, 2001-2008 (1 of 10) <i>Animal detection system, permit # 5250</i>
37.05	Huijser, Marcel, 2001-2008 (2 of 10) <i>Animal detection system, permit # 5250</i>
37.06	Huijser, Marcel, 2001-2008 (3 of 10) <i>Animal detection system, permit # 5250</i>

Box 38

38.01	Huijser, Marcel, 2001-2008 (4 of 10) <i>Animal detection system, permit # 5250 (continued)</i>
38.02	Huijser, Marcel, 2001-2008 (5 of 10) <i>Animal detection system, permit # 5250</i>
38.03	Huijser, Marcel, 2001-2008 (6 of 10) <i>Animal detection system, permit # 5250</i>
38.04	Huijser, Marcel, 2001-2008 (7 of 10) <i>Animal detection system, permit # 5250</i>
38.05	Huijser, Marcel, 2001-2008 (8 of 10) <i>Animal detection system, permit # 5250</i>
38.06	Huijser, Marcel, 2001-2008 (9 of 10) <i>Animal detection system, permit # 5250</i>

Box 39

39.01	Huijser, Marcel, 2001-2008 (10 of 10) <i>Animal detection system, permit # 5250 (continued)</i>
39.02	Jakubauskas, Mark, 1999-2005 <i>Remote sensing geostatistical modeling for coniferous forest, permit # 4068</i>
39.03	James, Garth (Matheson, Leah), 2003-2006 <i>Bioremediation, thermophilic bioaugmentation, permit # 5148</i>
39.04	Kato, Kenji, 1999-2002 <i>Sulfur turf microbial mats, permit # 4080</i>
39.05	Keeley, Ernest, 2004-2005 <i>Yellowstone cutthroat trout morphology, permit # 5488</i>
39.06	Kelly, Susan, 2003 <i>Thermal biology (education), permit # 5392</i>
39.07	Kinkle, Brian, 1997-2004 <i>Microorganisms physiology and geochemical tracing, permit # 65, 21444</i>
39.08	Klump, Val, 1984-2008 <i>Geothermal biochemistry, permit # 187</i>
39.09	Knapp, Doug, 2001-2003 <i>Interpretive programs, permit # 5258</i>

Box 40

40.01	Knight, Dennis, 2000-2002 <i>Lodgepole pine carbon allocation, permit # 5082</i>
40.02	Koch, Paul, 2004-2006 <i>Diet of wolves, permit # 5502</i>
40.03	Kovach, Jack, 1989-2003 <i>Cervid antlers trace element content, permit # 1393</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 40 (cont.)

File Unit Nbr	Title
40.04	Kuers, Karen, 1995-2002 <i>Forest ecology and geology (education), permit # 1844</i>
40.05	Kuns, Michelle, 2002-2003 <i>Field ecology (education), permit # 5281</i>
40.06	Larkin, Leah, 2004-2006 <i>Bee taxonomy, permit # 5468</i>
40.07	Laton, William R., 2002 <i>Water chemistry, permit # 5314</i>
40.08	Loomis, John, 2001-2004 <i>Snowmobile survey (Social science, economics), permit # 5264</i>
40.09	Mansfield, Carol, 2002-2004 <i>Winter visitor survey (Social science), permit # 5348</i>
40.10	Marcus, Andrew, 1995-2004 (1 of 2) <i>Stream morphology, microhabitats, and riparian ecology, permit # 1824</i>
40.11	Marcus, Andrew, 1995-2004 (2 of 2) <i>Stream morphology, microhabitats, and riparian ecology, permit # 1824</i>
40.12	Marcus, Andrew, 1997-1999 <i>Effects of wildfire on stream channel morphology, permit # 2028</i>
40.13	Marcus, Andrew, 1996-1999 <i>Land use and stream stability, permit # 1950</i>

Box 41

41.01	Matheson, Leah, 2003 <i>Microbial cleaning of engine parts, permit # 5360</i>
41.02	McGinnis, David, 2002-2006 (1 of 3) <i>Coupled human-natural systems (geoscience), permit # 5422</i>
41.03	McGinnis, David, 2002-2006 (2 of 3) <i>Coupled human-natural systems (geoscience), permit # 5422</i>
41.04	McGinnis, David, 2002-2006 (3 of 3) <i>Coupled human-natural systems (geoscience), permit # 5422</i>
41.05	McGinnis, David, 2000-2002 <i>Tree-boulder association, permit # 5094</i>

Box 42

42.01	Merlo, Stefano, 2004-2006 <i>Photochemical activity in high altitude lakes, permit # 5566</i>
42.02	Merlo, Stefano, 2005-2006 <i>Fungal strains as possible biomediation agents, permit # 5568</i>
42.03	Meyer, Kenneth, 1995-2002 (1 of 2) <i>Non-native plant monitoring, permit # 5136</i>
42.04	Meyer, Kenneth, 1995-2002 (2 of 2) <i>Non-native plant monitoring, permit # 5136</i>
42.05	Meyer, Kevin, 2002-2003 <i>Snake River native salmonid assessment, permit # 5330</i>
42.06	Miller, Allan, 1997-2003 <i>Small mammal biodiversity, permit # 2096</i>
42.07	Miller, Dale, 2002-2003 <i>Snowflake Springs creek project, permit # 5342</i>
42.08	Miller, Paul, 1999 <i>Geothermal water temperatures (Boiling River), permit # 4036</i>
42.09	Miller, Paul, 1998-2005 <i>Gypsy moth detection, permit # 2068</i>
42.10	Moorcroft, Paul, 2003-2007 <i>Spatiotemporal correlation between forest fires and insect outbreaks, permit # 5470</i>
42.11	Moore, Dan, 2007-2008 <i>Petrogenetic quartz microstructure, permit # 5710</i>
42.12	Murphy, Kerry, 2000-2004 <i>Lynx presence and distribution, permit # 5180</i>

Box 43

43.01	Nanus, Leora, 2003-2009 <i>Deposition-sensitive surface waters, permit # 5436</i>
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Box 43 (cont.)

File Unit Nbr	Title
43.02	Newcomb, Maria, 2001-2005 <i>White Pine blister rust, permit # 5192</i>
43.03	Nickerson, Norma, 2005 <i>Park County tourism visitor study (Social Science), permit # 5520</i>
43.04	Nielson, Lewis, 1982-2009 <i>Mosquito species and biology, permit # 90</i>
43.05	Nimick, David, 2004-2006 <i>Geothermal mercury survey, permit # 5492</i>
43.06	O'Keefe, Kim, 2001-2004 <i>Climate effects on small mammals, permit # 5228</i>
43.07	Olliff, Tom, 2002-2004 <i>Yellowstone Lake tributary stream characterization using remote sensing, permit # 5284</i>
43.08	Ouren, Douglas, 1997-2005 <i>Effects of environmental variability on grizzly bear habitat use, permit # 4038 and 2070</i>
43.09	Page, Kristen, 1999-2006 <i>Ecology of selected habitats (Education), permit # 4050</i>
43.10	Panessa-Warren, Barbara, 1997-2004 <i>Exosporial membrane characteristics of thermophilic clostridia (Microbiology), permit # 2219 and 2174</i>
43.11	Patten, Duncan, 2005-2006 <i>Riparian vegetation distribution and environmental conditions, permit # 5610</i>
43.12	Patten, Duncan, 1999-2004 (1 of 2) <i>Ecological indicators for watershed analysis, permit # 5000</i>

Box 44

44.01	Patten, Duncan, 1999-2004 (2 of 2) <i>Ecological indicators for watershed analysis, permit # 5000</i>
44.02	Perry, Deborah, 2002 <i>Old Faithful Visitor Education Center exhibits evaluation (Social Science), permit # 5322</i>
44.03	Perry, Deborah, 2005 <i>Old Faithful Visitor Education Center formative evaluation, permit # 5574</i>
44.04	Plescia, Jeffery, 1999-2005 <i>Spectral analysis of hyperthermophile organisms (Astrogeology), permit # 5146</i>
44.05	Plumb, Glenn, 2003-2007 <i>Wolf economics study, permit # 5490</i>
44.06	Plumb, Glenn, 2003-2007 <i>Eyes on Hayden, wildlife data collection utilizing robotic cameras, permit # 5424</i>
44.07	Provenza, Fred, 2003-2006 <i>Social organization in bison, permit # 5538</i>
44.08	Pyle, David, 2003-2005 <i>Potential global impact of an eruption from Yellowstone Caldera, permit # 5420</i>
44.09	Rachlow, Janet, 2001-2005 <i>Genetic differentiation of reintroduced elk populations, permit # 5328</i>
44.10	Reilly, Mark, 2005-2006 <i>Insect diversity, permit # 5560</i>
44.11	Rhyan, Jack, 2000-2003 <i>Disappearance rate of bovine fetuses, permit # 5186</i>

Box 45

45.01	Richards, David, 1999 <i>New Zealand Mud snail growth rates, permit # 5018</i>
45.02	Risch, Anita, 2004-2008 <i>Distribution of Red Wood Ants, permit # 5518</i>
45.03	Robbins, Charles, 2001-2002 <i>Grizzly bear productivity, permit # 5206</i>
45.04	Rodriguez, Rusty, 1996-2002 <i>Genetic analysis of Brucella in bison, permit # 2140</i>
45.05	Roffe, Thomas, 1995-2002 <i>Epidemiology and pathogenesis of brucellosis in bison, permit # 1902</i>
45.06	Rosentreter, Jeffrey, 1994-2006 <i>Water sampling (Education), permit # 1722</i>

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Box 45 (cont.)

File Unit Nbr	Title
45.07	Ruth, Toni, undated <i>Permit # 5350</i>
45.08	Savage, Shannon, 2002-2005 <i>Remote sensing of non-forest vegetation, permit # 5358</i>
45.09	Schoonen, Martin, 2001-2003 <i>Dissipation of thermal and chemical disequilibrium in hot springs, permit # 5216</i>
45.10	Shaw, Scott, 2002-2006 <i>Parasitic wasps (Braconidae), permit # 5310</i>
45.11	Sheehan, Kathy, 2002-2003 <i>Guide to microbes, permit # 5338</i>
45.12	Sheehan, Kathy, 2000-2003 <i>Naegleria survey, permit # 5242</i>
45.13	Shiozawa, Dennis, 2004-2007 <i>Temporal genetic structure of spawning cutthroat trout, permit # 5512</i>
45.14	Siniscalco, Consolata, 2006 <i>Comparison between exotic plant in Yellowstone National Park and Gran Paradiso National Park (Italy), permit # 5622</i>
45.15	Sipes, Sedonia, 2003-2007 <i>Abronia ammophila (Yellowstone Sand Verbena) pollination and reproductive ecology, permit # 5366</i>

Box 46

46.01	Sive, Barkley, 2001-2005 <i>Snowmobile emissions, permit # 5268</i>
46.02	Skehan, Philip, 1999-2005 <i>Anticancer drug fungi, permit # 5028</i>
46.03	Skinner, Craig, 1998-2005 <i>Chemical analysis of obsidian sources and artifacts, permit # 1986</i>
46.04	Singer, Francis, 1985-2007 (1 of 4) <i>Willow ecology, permit # 144 and 5086</i>
46.05	Singer, Francis, 1985-2007 (2 of 4) <i>Willow ecology, permit # 144 and 5086</i>
46.06	Singer, Francis, 1985-2007 (3 of 4) <i>Willow ecology, permit # 144 and 5086</i>
46.07	Singer, Francis, 1985-2007 (4 of 4) <i>Willow ecology, permit # 144 and 5086</i>

Box 47

47.01	Skrzypek, Grzegorz, 2006-2009 <i>Trans-latitude migration of climatic zones, permit # 5640</i>
47.02	Stetter, Karl, 1989-2005 <i>Isolation of new hyperthermophiles and investigations of hyperthermophilic biotopes, permit # 115</i>
47.03	Stix, John, 2004-2006 <i>Magma replenishment and interactions in large silic volcanic systems, permit # 5478</i>
47.04	Stoner, Daphne, 1989-2007 (1 of 2) <i>Integrated biogeochemical database, permit # 5524; and Thermophilic bacteria, permit # 307 and 1356</i>
47.05	Stoner, Daphne, 1989-2007 (2 of 2) <i>Integrated biogeochemical database, permit # 5524; and Thermophilic bacteria, permit # 307 and 1356</i>
47.06	Stout, Richard, 1994-2005 <i>Physiology of thermotolerant plants, permit # 1654</i>
47.07	Striegl, Robert, 2000-2003 <i>Mercury dynamics in aquatic ecosystems, permit # 5152</i>
47.08	Swanke, Stephen, 2006 <i>Employee wellness survey, permit # 5642</i>
47.09	Tonkyn, David, 2002-2006 <i>Rocky Mountain field ecology (Education), permit # 5274</i>
47.10	Trewin, Nigel, 1999-2005 <i>Preservation of organisms in sinter, permit # 4040</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 48

File Unit Nbr	Title
48.01	Turner, Monica, 1989-2007 (1 of 6) <i>Causes and consequences of large-scale fires, permit # 1358</i>
48.02	Turner, Monica, 1989-2007 (2 of 6) <i>Causes and consequences of large-scale fires, permit # 1358</i>
48.03	Turner, Monica, 1989-2007 (3 of 6) <i>Causes and consequences of large-scale fires, permit # 1358</i>
48.04	Turner, Monica, 1989-2007 (4 of 6) <i>Causes and consequences of large-scale fires, permit # 1358</i>
48.05	Turner, Monica, 1989-2007 (5 of 6) <i>Causes and consequences of large-scale fires, permit # 1358</i>
48.06	Turner, Monica, 1989-2007 (6 of 6) <i>Causes and consequences of large-scale fires, permit # 1358</i>

Box 49

49.01	Tyler, Bonnie, 1999-2004 <i>Effects of snowmobile use on semi-volatile organic compounds, permit # 5184; field studies of aerosol formation and biodegradation of snowmobile fuels, permit # 3080</i>
49.02	Waisley, Becky, 2001-2003 <i>Water analysis of hot springs, permit # 5224</i>
49.03	Wall, Bill, 1999-2004 <i>Paleontology survey, permit # 4070</i>
49.04	Wall, Brita, 2004-2006 <i>Hydrothermal fluid flow pathways at Norris Geysers Basin, permit # 5594</i>
49.05	Wambolt, Carl, 1990-2008 (1 of 2) <i>Sagebrush ecology and ungulate relationships, permit # 1493</i>
49.06	Wambolt, Carl, 1990-2008 (2 of 2) <i>Sagebrush ecology and ungulate relationships, permit # 1493</i>
49.07	Weaver, David, 1999-2002 <i>Assessment of host races in the ovary-feeding beetle, <i>Brachypterolus pulicarius</i>, permit # 4092</i>
49.08	Weaver, Tad, 1989-1993 <i>Vegetation recovery after 1988 Fires, permit # 1298</i>
49.09	Webster, Clyde, 1988-2004 <i>Eruption history of the Sepulcher Formation, permit # 295</i>
49.10	Weil, Connie, 2004-2005 <i>Effectiveness of the World Heritage Convention (Social Science), permit # 5522</i>
49.11	Wenner, David, 1998-2006 <i>Geochemistry of thermal springs (Education), permit # 1968</i>

Box 50

50.01	Westall, Frances, 2005-2008 <i>Fossilized microbes, permit # 5596</i>
50.02	Whitaker, Rachael, 2002-2005 <i>Evolutionary dynamics of thermophilic microorganisms, permit # 5324</i>
50.03	Whiting, Peter, 1999-2005 <i>Stream topography measurements, permit # 4008 and 5010</i>
50.04	Williams, Mark, 2003-2005 <i>Soda Butte Creek monitoring, permit # 5410</i>
50.05	Wilson, Michael, 1995-2003 <i>Hydrothermally affected soils, permit # 1910</i>
50.06	Wyckoff, William, 2005-2007 <i>Cultural landscape change at Canyon Junction, permit # 5588</i>
50.07	Zale, Al, 2001-2003 <i>Movements and reproductive ecology of westslope cutthroat trout, permit # 5208</i>
50.08	Zale, Al, 2000-2004 <i>Spatial and temporal spawning distributions of cutthroat and rainbow trout, permit # 5170</i>
50.09	Zale, Al 2005-2008 <i>Spatial dynamics of arctic grayling, permit # 5534</i>
50.10	Research and Collection Permits, 1997-2000

Box 51

51.01	Allendorf, Fred, 2005-2008 <i>Bison DNA analysis, permit # 5572</i>
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 01 *Permits and Projects, 1954-Present (cont.)*

Box 51 (cont.)

File Unit Nbr	Title
51.02	Anitori, Roberto, 2005-2009 <i>Microbial ecology, permit # 5578</i>
51.03	Ben-David, Merav, 2004-2011 <i>River otters ecology, permit # 5526</i>
51.04	Berg, Nate, 2008-2010 <i>Lynx survey, permit # 5780</i>
51.05	Bigelow, Patricia, 2004-2007 <i>Lake Trout spawning areas, permit # 5554</i>
51.06	Blakeslee, Donald, 2003-2009 <i>Armillaria fungi ecology, permit # 5498</i>
51.07	Blodgett, James, 2004-2006 <i>Yellowstone Lake archaeological survey, permit # 5404</i>
51.08	Bockino, Nancy, 2009-2010 <i>Whitebark pine regeneration, permit # 5822</i>
51.09	Boss, Stephen, 2005-2009 <i>Impacts of roadway engineering on Yellowstone Lake shore, permit # 5562</i>
51.10	Boss, Stephen, 2004-2009 <i>Yellowstone Lake shoreline change (geomorphology), permit # 5442</i>

Box 52

52.01	Boomer, Sarah, 1998-2009 (1 of 2) <i>Photosynthetic bacteria ecology, permit # 2160</i>
52.02	Boomer, Sarah, 1998-2009 (2 of 2) <i>Photosynthetic bacteria ecology, permit # 2160</i>
52.03	Brimeyer, D., undated <i>Elk (ecology?), permit # 5748</i>
52.04	Brodie, Jedediah, 2007-2010 <i>Changing snow conditions and the effects of elk foraging on aspen and willow, permit # 5704</i>
52.05	Chafetz, Henry, 1990-2010 <i>Microbial biomarkers in terrestrial deposits, permit # 1375 and 1387</i>
52.06	Chesner, Craig, 1999-2009 <i>Yellowstone Caldera monitoring, permit # 4022</i>
52.07	Chong, Geneva, 2007 <i>Bunchgrass and Shrub-Steppe monitoring, permit # 5792</i>
52.08	Cleasby, Tom, undated <i>Madison River water samples, permit # 5792</i>
52.09	Coyle, Candace, 2005-2010 <i>Raman spectroscopy, hydrothermal microbial communities, permit # 5558</i>

Box 53

53.01	Crabtree, Robert, 1993-2003 <i>Carnivore detection survey, permit # 1631</i>
53.02	Crabtree, Robert, 1998-2000 <i>Yellowstone watershed initiative, permit # 2074</i>
53.03	Crabtree, Robert, 1998-2007 <i>Stream and riparian habitat high resolution hyperspectral data, permit # 3084</i>
53.04	Crabtree, Robert, 2001-2006 <i>Uinta ground squirrel habitat selection, permit # 5198</i>
53.05	Crabtree, Robert, 1993-2005 <i>Landscape use by elk during winter, permit # 1801</i>
53.06	Creel, Scott, 2001-2009 <i>Wolf-ungulate interactions, permit # 5266</i>
53.07	Creel, Scott, 1999-2007 <i>Physiological stress, aggression and social dominance in wolves, permit # 2136</i>
53.08	Cripps, Cathy, 1997-1999 <i>Alpine species of <i>Inocybe</i> (Mycology), permit # 2022</i>
53.09	Despain, Don, 1972-1990 <i>Permanent vegetation plots in insect-affected forests, no permit number</i>
53.10	Despain, Don, 2001-2007 <i>Geologic controls on ecology, permit # 5262</i>

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present (cont.)*

Box 53 (cont.)

- | File Unit Nbr | Title |
|----------------------|--|
| 53.11 | Despain, Don, 1999-2008
<i>Browsing phenology of willows, cottonwoods, and aspen, permit # 5044</i> |
| 53.12 | Despain, Don, 2005-2007
<i>Temperature influence on willow growth and phenolic production, permit # 5576</i> |

Box 54

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|-------|--|
| 54.01 | Despain, Don, 1968-1994 (1 of 2)
<i>Plant ecology, permit # 28</i> |
| 54.02 | Despain, Don, 1968-1994 (2 of 2)
<i>Plant ecology, permit # 28</i> |
| 54.03 | Dickerson, Ken, 2008
<i>Protein residue analysis of prehistoric stone tools, permit # 5722</i> |
| 54.04 | Dybdhal, Mark, 1997-2010
<i>New Zealand mud snail, permit # 2066 and 5030</i> |
| 54.05 | Dismukes, Charles, 2008-2010
<i>Hyperthermophilic Archaea, permit # 5774</i> |
| 54.06 | Fairbanks, Sue, 2005-2008
<i>Parturition site selection, rate, and spatial range of abortions in elk, permit # 5606</i> |
| 54.07 | Farmer, Jack, 1989-2013 (1 of 2)
<i>Microbial fossilization in modern hot springs and their ancient analogs, permit # 1313</i> |
| 54.08 | Farmer, Jack, 1989-2013 (2 of 2)
<i>Microbial fossilization in modern hot springs and their ancient analogs, permit # 1313</i> |

Box 55

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| 55.01 | Frank, Douglas, 1993-2010
<i>Below ground processes in a grazing ecosystem, permit # 1668, 1597 and 5546</i> |
| 55.02 | Freimund, Wayne, 2008-2009
<i>Winter visitor experiences (Social Science), permit # 5720</i> |
| 55.03 | Gallaway, Terrel, 2007-2008
<i>Light pollution (Social Science), permit # 5668</i> |
| 55.04 | Garrott, Robert, 1997-2004
<i>Ecological effects of road grooming on bison, permit # 2149</i> |
| 55.05 | Garrott, Robert, 1992-2005
<i>Elk post-burn resource selection, permit # 1489</i> |
| 55.06 | Hall, Robert, 2001-2010 (1 of 2)
<i>Impacts of lake trout on streams, predators, and forests, permit # 5292</i> |
| 55.07 | Hall, Robert, 2001-2010 (2 of 2)
<i>Impacts of lake trout on streams, predators, and forests, permit # 5292</i> |
| 55.08 | Hall, Troy, 2006-2008
<i>Yellowstone Association Institute participants study (Social Science), permit # 5666</i> |

Box 56

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|-------|--|
| 56.01 | Hansen, Andrew, 2005-2011
<i>Response of bird communities to willow release, permit # 5564</i> |
| 56.02 | Hebbelwhite, Mark, 2008-2009
<i>Behavioral responses of park and hunted elk to human activities, permit # 5770</i> |
| 56.03 | Hendrix, Marc, 2000-2010
<i>Paleontological site documentation, permit # 5270</i> |
| 56.04 | Huhndorf, Sabine, 2006-2010
<i>Sordariales (Ascomycetes) coprophilous fungi on bison dung, permit # 5630</i> |
| 56.05 | Jorstad, Robert, 2000-2007
<i>Eocene Palynoflora of the Yancey Creek Drainage (Paleontology), permit # 5072</i> |
| 56.06 | Kack, David, 2009-2011
<i>Traveler information and transit need survey (Social Science), permit # 5858</i> |
| 56.07 | Kadko, David, 2007-2009
<i>Radon anomaly, earthquake monitoring and prediction, permit # 5690</i> |
| 56.08 | Kauffman, Matthew, 2008-2009
<i>Shiras moose demography, permit # 5762</i> |
| 56.09 | Kauffman, Matthew, 2003-2010
<i>Elk herbivory and climatic variation on aspen demography, permit # 5464</i> |
| 56.10 | Keinath, Douglas, 2003-2008
<i>Supplementary bat surveys, permit # 5380</i> |

Series Nbr **Series Title**
 01 *Permits and Projects, 1954-Present (cont.)*

Box 57

File Unit Nbr	Title
57.01	Kelt, Douglas, 1998-2006 <i>River otter ecology, permit # 5006</i>
57.02	Kerans, Billie, 2007-2009 <i>Potamopyrgus antipodarum (New Zealand mud snail) distribution and density, permit # 5706</i>
57.03	Koel, Todd, 2001-2008 <i>Myxobolus cerebralis infection in Yellowstone cutthroat trout, permit # 5298</i>
57.04	Larsen, George, 2005-2009 <i>Internet-based survey of illness and injury among backcountry users, permit # 5532</i>
57.05	Larsen, George, 2009-2010 <i>Disease vector ecology, permit # 5820</i>
57.06	Lowe, Donald, 1991-2009 <i>Structure, facies, and deposition of siliceous sinter, permit # 1468</i>
57.07	Lung, Mark, 2003-2009 <i>Elk habitat attribute selection modification with the risk of predation, permit # 5458</i>
57.08	Lung, Mark, 2003-2009 <i>Habitat use and habitat associated behavior of elk, permit # 5456</i>
57.09	Marczak, Laurie, 2010 <i>Predicting New Zealand mud snail invasion, permit # 5856</i>

Box 58

58.01	McWhirter, Douglas, 2005-2011 <i>Absaroka Divide/Clarks Fork bighorn sheep distribution and movement, permit # 5602</i>
58.02	Mendelsohn, Robert, 2007-2010 <i>Economic value of roadside bear viewing (Social Science), permit # 5782</i>
58.03	Mills, Scott, 2002-2010 <i>Snowshoe hare abundance and distribution, permit #5302</i>
58.04	Miller, Steven, 2009-2010 <i>Obligate tripartite symbioses between Pterospora andromedea, conifer trees, and truffle-like fungus, permit # 5810</i>
58.05	Minshall, Wayne, 1988-2009 <i>Effects of 1988 wildfires on Yellowstone stream ecosystems, permit # 1257</i>
58.06	Murphy, Kerry, 2005-2010 <i>Ecological assessment of wolverines, permit # 5536</i>
58.07	Newby, Deborah, 2003-2008 <i>Brucella DNA signatures, permit # 5432</i>
58.08	Newby, Deborah, 2005-2009 <i>Hydrogenproduction in extremophilic carboxydrotrophs, permit # 5598</i>
58.09	Nickerson, Norma, 2009-2010 <i>Montana quarterly nonresident visitor analysis (Social Science), permit #5800</i>

Box 59

59.01	Peterson, David, 1998-2005 (1 of 2) <i>Aquatic data collection, permit # 2164</i>
59.02	Peterson, David, 1998-2005 (2 of 2) <i>Aquatic data collection, permit # 2164</i>
59.03	Peterson, Rolf, 2005-2009 <i>Predator influence on carcass-derived nutrient-pulses, permit # 5508</i>
59.04	Peterson, Rolf, 1996-2002 (1 of 2) <i>Multi-trophic level responses to the addition of a top carnivore, permit # 5096</i>
59.05	Peterson, Rolf, 1996-2002 (2 of 2) <i>Multi-trophic level responses to the addition of a top carnivore, permit # 5096</i>
59.06	Peterson, Rolf, 2000 (1 of 2) <i>Multi-trophic wolf-elk study, no permit number</i>
59.07	Peterson, Rolf, 2000 (2 of 2) <i>Multi-trophic wolf-elk study, no permit number</i>

Box 60

60.01	Peterson, Rolf, 2000-2004 <i>Multi-trophic wolf study, permit # 5096</i>
60.02	Platzer, Edward, 2002-2009 <i>Parasites of mosquitoes, permit # 5308</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 60 (cont.)

File Unit Nbr	Title
60.03	Quinn, Leslie, 2006-2008 <i>Interpretive kits for Xanterra road-based tours, permit # 5626</i>
60.04	Ripple, William, 2001-2003 <i>Aspen-migratory bird relationships in the Northern Yellowstone Ecosystem, permit # 5188</i>
60.05	Robbins, Charles, 2006-2011 <i>Effects of long-term changes in food resources to grizzly bear productivity, permit # 5650</i>
60.06	Romme, William, 1981-1990 <i>Yellowstone Lake, permit # 105</i>
60.07	Russell, Perry, 1996-2011 <i>Extremophilic microorganisms, permit # 1936</i>
60.08	Sharma, Shikha, 2006-2009 <i>Volcanic degassing, permit # 5636</i>
60.09	Shaw, Joseph, undated <i>Lidar, permit # 5416</i>
60.10	Spell, Terry, 2002-2009 <i>Extracaldera rhyolites and basalts, permit # 5374</i>
60.11	Spotila, James, 2008-2009 <i>Transient fluvial response to post-collapse rhyolitic volcanism and deglaciation, permit # 5744</i>
60.12	Super, Paul, 2007-2008 <i>Mycetozoa biodiversity, permit # 5662</i>
60.13	Suplee, Michael 2007 <i>Uniform nutrient dataset, stream nutrients, permit # 5962</i>

Box 61

61.01	Tikku, Anahita, 2000-2007 <i>Absolute gravity and crustal deformation in Yellowstone caldera, permit # 5128</i>
61.02	Tinker, Daniel, 2006-2009 <i>Non-native plants, permit # 5616</i>
61.03	Tomback, Diana, 1990-2001 <i>Whitebark pine post-fire regeneration, permits # 1400 and 1635</i>
61.04	Tomback, Diana, 2001-2007 <i>Whitebark pine regeneration, permit # 5220</i>
61.05	Tomback, Diana, 2008-2011 <i>Relationship between whitebark pine and stand-level health and seed dispersal by Clark's Nutcracker, permit # 5736</i>
61.06	Vance, Linda, 2008-2010 <i>Rocky Mountain regional monitoring and assessment, permit # 5854</i>
61.07	Wallen, Rick, 2000-2004 <i>Bison response to mock (remote) vaccinations, permit # 5174</i>
61.08	Wannamaker, Phil, 2009-2010 <i>Earthscope magnetotelluric recordings, permit # 5798</i>
61.09	Watson, Fred, 2002-2009 <i>Systems integration and visualization (GIS), permit # 5600</i>

Box 62

62.01	Weaver, Tad, 1984-2010 (1 of 2) <i>Alpine vegetation in a mountain goat context, permit # 5116; and Early secondary secession following fire in eleven habitat types, permit # 1591</i>
62.02	Weaver, Tad, 1984-2010 (2 of 2) <i>Alpine vegetation in a mountain goat context, permit # 5116; and Early secondary secession following fire in eleven habitat types, permit # 1591</i>
62.03	Wiegel, Juergen, 1990-2007 <i>Thermophilic anaerobic microorganisms, permit # 1374, 1385 and 1888</i>
62.04	Wilmers, Christopher, 2005-2008 <i>Effects of gray wolves on carrion insects, permit # 5552</i>
62.05	Zumberge, Jeremy, 1999-2008 <i>Stream monitoring, permit # 1680</i>

Box 63

63.01	Aho, Ken, 2008-2010 <i>Management of introduced mountain goats in Yellowstone National Park, permit # 5738</i>
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 01 *Permits and Projects, 1954-Present (cont.)*

Box 63 (cont.)

File Unit Nbr	Title
63.02	Bender, Lee, 1999?-2011 <i>Collection of gametes of Lewis Lake Lake Trout to establish a captive brook stock to support lake trout restoration in the Great lakes, permit # 5032</i>
63.03	Bhaya, Devaki, 2007-2011 <i>Genomic signature of temperature adaptability in Cyanobacteria, permit # 5660</i>
63.04	Bhaya, Devaki, 2007-2011 <i>Metabolism of phosphorous by thermophilic cyanobacteria, permit # 5694</i>
63.05	Caravati, Kevin, 2010 <i>Airborne gas (chemical) plume detection, permit # 5882</i>
63.06	Cooper, David, 2007-2013 <i>Herbivory and hydrologic condition in cottonwood establishment, permit # 5680</i>
63.07	Cross, Wyatt, 2008-2012 <i>Effects of willow cover and beaver presence on stream ecosystems, permit # 5732</i>
63.08	DeStefano, Lizanne, 2008-2011 <i>E: Y! STaRS program, permit # 5746</i>
63.09	Diehl, Peter, 2006-2010 <i>Relation of behavior to stress level and parasite load in wolves on Yellowstone's northern range, permit # 5716</i>
63.10	Evert, Erwin, 1999-2012 <i>Collection of vascular plant specimens for distribution maps, permit # 2180</i>
63.11	Frederick, Robert, 2008-2011 <i>Evaluation of historical nest site use by trumpeter swans in the Greater Yellowstone Ecosystem, permit # 5802</i>

Box 64

64.01	Heasler, Henry, 2010 <i>Geothermal monitoring, permit # 5612</i>
64.02	Hellawell, Jo, 2011-2013 <i>Silicification of wood ancient and present-day processes, permit # 5912</i>
64.03	Jackson, Michael, 2006-2008 <i>Airborne LIDAR survey, permit # 5726</i>
64.04	Jacob, Donna, 2006-2011 <i>Elemental uptake in triglochin maritima from hot spring and salt marsh environments, permit # 5620</i>
64.05	Jacobi, William, 2008-2011 <i>Firewood movement across state lines by National Park visitors, permit # 5784</i>
64.06	Kashian, Daniel, 2003-2010 <i>Carbon cycling at the landscape scale, permit # 5450</i>
64.07	Kashian, Daniel, 2007-2012 <i>Carbon storage responses of subalpine forests to mountain pine beetle outbreaks, permit # 5740</i>
64.08	King, John, 2005-2013 <i>Tree-ring evidence of drought in the Greater Yellowstone Ecosystem, permit # 5582</i>
64.09	Larson, Peter, 2008-2009 <i>Variable pH in the Inkpot Hot Springs Cluster, permit # 5728</i>
64.10	McDermott, Tim, 1999-2005 <i>Analysis of soil microbial community structure in an evolving thermal environment, permit # 5038</i>
64.11	Nice, Chris, 2007-2012 <i>Hybridization and diversification in North American Lycaeides (Lepidoptera: Lycaenidae), permit # 5682</i>

Box 65

65.01	Pace, Norman, 1990-2010 <i>Phylogenetic analysis of high-temperature ecosystems, permit # 1403</i>
65.02	Peterson, Charles, 2000-2010 <i>Amphibian monitoring, permit # 5100</i>
65.03	Peterson, Charles, 2004-2010 <i>Landscape genetics of boreal toad and boreal chorus frog populations, permit # 5452</i>
65.04	Pierce, Kenneth, 1981-2012 <i>Quaternary geology and geo-ecology of the Greater Yellowstone area, permit # 149</i>
65.05	Preston, Charles, 2011 <i>Raptor nest inventory and monitoring, permit # 5884</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 65 (cont.)

- | File Unit Nbr | Title |
|----------------------|--|
| 65.06 | Reeves, Brian, 2004-2009
<i>Archaeological specimens, permit # 5466</i> |
| 65.07 | Renkin, Roy, 2003-2008
<i>Browse history of tree-sized aspen on Yellowstone's northern range, permit # 5378</i> |
| 65.08 | Renkin, Roy, 2004-2011
<i>Willow persistence and distribution in YNP: Interactive effects following wolf reintroduction, permit # 5440</i> |
| 65.09 | Rew, Lisa, 2007-2012
<i>Rates of spread and impacts of non-indigenous plants and control strategies, permit # 5688</i> |

Box 66

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|-------|--|
| 66.01 | Roberts, David, 2009-2011
<i>Evaluating Aspen responses to changes in elk abundance, distribution and behavior following wolf recolonization in west-central Yellowstone, permit # 5794</i> |
| 66.02 | Shafer, Timothy, 2009 (1 of 4)
<i>Evaluating Aspen responses to changes in elk abundance, distribution and behavior following wolf recolonization in west-central Yellowstone, permit # 5794</i> |
| 66.03 | Shafer, Timothy, 2009 (2 of 4)
<i>Evaluating Aspen responses to changes in elk abundance, distribution and behavior following wolf recolonization in west-central Yellowstone, permit # 5794</i> |
| 66.04 | Shafer, Timothy, 2009 (3 of 4)
<i>Evaluating Aspen responses to changes in elk abundance, distribution and behavior following wolf recolonization in west-central Yellowstone, permit # 5794</i> |
| 66.05 | Shafer, Timothy, 2009 (4 of 4)
<i>Evaluating Aspen responses to changes in elk abundance, distribution and behavior following wolf recolonization in west-central Yellowstone, permit # 5794</i> |

Box 67

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|-------|---|
| 67.01 | Shanks, Pat, 2000-2007
<i>Geochemistry, microbiology, and stable isotope systematics of hydrothermal systems, permit # 5066</i> |
| 67.02 | Stahl, David, 1997-2011
<i>Nitrification at high temperature, permit # 4098</i> |
| 67.03 | Suderman, Jo, 2005-2011
<i>Education (microbes), permit # 5550</i> |
| 67.04 | Wallen, Rick, 2002-2011 (1 of 2)
<i>Bison Ecology and Management Office's long-term bison monitoring plan, permit # 5340</i> |
| 67.05 | Wallen, Rick, 2002-2011 (2 of 2)
<i>Bison Ecology and Management Office's long-term bison monitoring plan, permit # 5340</i> |
| 67.06 | White, Patrick J., 1997-2008
<i>Wildlife response to motorized winter recreation in YNP, permit # 3038</i> |
| 67.07 | White, Patrick J., 2003-2008
<i>Calf elk mortality study, permit # 5362</i> |

Box 68

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|-------|--|
| 68.01 | White, Patrick J., 2002-2010 (1 of 2)
<i>Conservation of declining Yellowstone pronghorn population, permit # 5352</i> |
| 68.02 | White, Patrick J., 2002-2010 (2 of 2)
<i>Conservation of declining Yellowstone pronghorn population, permit # 5352</i> |
| 68.03 | Ybarrando, Brent, 1989-2013 (1 of 2)
<i>Respiratory physiology and thermal preference in thermophilic aquatic insects, permit # 1311</i> |
| 68.04 | Ybarrando, Brent, 1989-2013 (2 of 2)
<i>Respiratory physiology and thermal preference in thermophilic aquatic insects, permit # 1311</i> |

Box 69

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|-------|--|
| 69.01 | Agenbroad, Larry, 1986
<i>Archaeological specimens, no permit number</i> |
| 69.02 | Aitchison, Stewart, 1981-1982
<i>Live trap and release small mammals (education), no permit number</i> |
| 69.03 | Allred, E. Morrell, 1980
<i>Raven study, no permit number</i> |
| 69.04 | Altmann, Margaret, 1967
<i>Big game studies, no permit number</i> |

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 69 (cont.)

File Unit Nbr	Title
69.05	Ammons, Robert Bruce, 1978-1980 <i>Eocene and recent tree growth and climatic cycles, no permit number</i>
69.06	Anderson, David B., 1979 <i>Wolves, no permit number</i>
69.07	Andersson, Knut, 1980 <i>Permian trace fossils, no permit number</i>
69.08	Andreae, Meinrat, 1985 <i>Use of germanium/silicon ratios as tracer of the biogeochemical silica cycle, no permit number</i>
69.09	Armitage, Kenneth, 1955-1960 <i>Ecology and social behavior of the yellow bellied marmot, no permit number</i>
69.10	Arms, Bernard, 1963-1964 <i>Mammal study material, no permit number</i>
69.11	Armstrong, W.G., 1970-1971 <i>Disposal of dangerous chemicals, RSP # YELL-N-55</i>
69.12	Arno, Stephen, 1968-1975 <i>Development of a habitat type classification for forested regions in Montana, no permit number</i>
69.13	Arnold, Lamont, 1982 <i>Herbarium collection, no permit number</i>
69.14	Ashton, Brad, 1983-1984 <i>Toxic waste management utilizing sulfur fixing microorganisms, no permit number</i>
69.15	Athey, Raymond, 1983-1984 <i>Herbarium collection, no permit number</i>
69.16	Atkinson, Donald, 1983-1984 <i>Isolation of various bacteria from hot springs in YNP, no permit number</i>
69.17	Bahls, Loren, 1974 <i>Study of Algal communities in Yellowstone River, no permit number</i>
69.18	Baker, Lawrence, 1968-1974 <i>Control of a limited stand of an exotic forb (Linaria dalmatICA), RSP # YELL-N-43</i>
69.19	Baker, Richard, 1969-1977 <i>Late Pleistocene pollen and plant macrofossils, RSP # YELL-N-45a; Quaternary vegetation, climate and fire history of Lamar Valley, RSP # YELL-N-45b</i>
69.20	Barbee, James, 1971-1972 <i>Old Faithful, no permit number</i>
69.21	Barmore, William J., 1969-1970 <i>Aspen ecology, RSP # YELL-N-29a</i>
69.22	Barmore, William J., 1969-1970 <i>Pronghorn/mule deer range relationships, RSP # YELL-N-17</i>
69.23	Barnes, Chuck, 1979-1980 <i>Thermophilic bacteria, no permit number</i>
69.24	Bartow, Dennis, 1970-1971 <i>Insect collection for scientific research, RSP # YELL-N-56</i>
69.25	Baugh, Timothy, 1983 <i>Trace element analysis of obsidian, no permit number</i>
69.26	Baxter, George, 1979-1982 <i>Influences of longnose sucker on early life stages of cutthroat trout, no permit number</i>
69.27	Beeson, Melvin, 1977-1982 <i>Geologic mapping, no permit number</i>

Box 70

70.01	Behnke, Robert, 1972-1975 <i>Systematic investigation of indigenous trouts, RSP # YELL-N-70</i>
70.02	Belanger, Scott, 1981 <i>Fall lotic algal communities of North Central Yellowstone, no permit number</i>
70.03	Bender, Judith, 1981-1982 <i>Isolation and characterization of blue-green algae and clostridium thermocellum, no permit number</i>
70.04	Bergstrom, Robert, 1960-1975 <i>Parasites of ungulates, no permit number</i>
70.05	Berry, Charles R., Jr., 1978 <i>Fish, no permit number</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 70 (cont.)

File Unit Nbr	Title
70.06	Birge, Wesley, 1982-1983 <i>Aquatic toxicology of boron, no permit number</i>
70.07	Borella, Peter, 1985 <i>Geology specimens, no permit number</i>
70.08	Bowman, Robert, 1963 <i>Black and grizzly bear spleens, no permit number</i>
70.09	Bowser, Gillian, 1987 <i>Urine collection data, no permit number</i>
70.10	Bradley, Charles, 1972-1976 <i>Conditions for depth hoar formation, RSP # YELL-N-71</i>
70.11	Breckenridge, Robert, 1984-1986 <i>Isolation and growth requirements of non-thiobacillus organisms, no permit number</i>
70.12	Brierley, James, 1962-1963 <i>Thermophilic bacteria, no permit number</i>
70.13	Brock, Thomas, 1967 <i>Biochemical ecology, no permit number</i>
70.14	Bronson, Michael, 1988-1990 <i>Variations in completed lifetime reproduction in spermophilus armatus (ground squirrels), permit # 293</i>
70.15	Brown, Ray, 1981-1982 <i>Revegetation of alpine disturbances and plant succession, no permit number</i>
70.16	Brown, Roy, 1981-1982 <i>Winter territoriality of dippers, no permit number</i>
70.17	Brown, Timothy, 1980 <i>Aquatic invertebrates comparison, no permit number</i>
70.18	Brozek, Stanislaw, 1988 <i>Soil samples, permit # 303</i>
70.19	Burger, John, 1966-1968 <i>Succession and ecology of biting and dung insects, RSP # YELL-N-36</i>
70.20	Buseck, Peter, 1976-1979 <i>Development of Hg geochemistry as a tool for geothermal exploration, no permit number</i>
70.21	Byrd, Caroline, undated <i>Investigating whether menstruation attracts grizzly bears, no permit number</i>
70.22	Calder, William, 1969 <i>Utah chub movements, heart and respiratory rates, no permit number</i>
70.23	Caldwell, Douglas, 1981-1983 <i>Isolation of microorganisms from Mammoth Hot Springs, no permit number</i>
70.24	Carleton, Albert, 1968-1970 <i>Change of plant cover in campgrounds, RSP # YELL-N-42</i>
70.25	Carpenter, Geoffrey, 1982-1983 <i>Aspects of the natural history of the sagebrush lizard in the Norris Geyser Basin, no permit number</i>
70.26	Casella, Clarence, 1964-1975 <i>Precambrian geology, no permit number</i>
70.27	Castenholz, Richard, 1966-1986 RESTRICTED <i>Precambrian paleobiology research, no permit number</i>
70.28	Cavanaugh, Michael, 1984-1986 <i>Paleomagnetic investigation of archean intrusions, no permit number</i>
70.29	Chafetz, Henry, 1983-1984 <i>Deposition and diagenesis of Mammoth Hot Springs travertine accumulation, no permit number</i>
70.30	Chapman, D.W., 1971-1972 <i>Factors influencing genetic control in lakeward migrations of cutthroat trout fry, no permit number</i>

Box 71

71.01	Chapman, David, 1981-1983 <i>Quantitative assessment of thermal features, no permit number</i>
71.02	Cholewa, Anita, 1978-1983 <i>Biosystematic study of Rocky Mountain populations of Sisyrrinchium (Iridaceae), no permit number</i>
71.03	Christiansen, E.B., 1980-1981 <i>Thermophillic bacteria for conversion of biomass to ethyl alcohol, no permit number</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 71 (cont.)

File Unit Nbr	Title
71.04	Christiansen, Robert, 1975 <i>Petrological studies, no permit number</i>
71.05	Clancy, Chris, 1985-1988 <i>Reese Creek cutthroat trout study, permit # 39</i>
71.06	Clark, Richard, 1986-1987 <i>Algal flora of Bechler River, permit # 223</i>
71.07	Clement, Stephen, 1972-1973 <i>Nesting aculeate hymenoptera in West Thumb area, no permit number</i>
71.08	Coiner, Jerry, 1970-1971 <i>Vegetation mapping with AN/APQ-97 imaging radar, RSP # YELL-N-60</i>
71.09	Cole, Glenn, 1960-1971 <i>Elk ecology and management investigations, RSP # YELL-N-5</i>
71.10	Cole, Glenn, 1969-1973 <i>Animal Ecology Studies in Yellowstone National Park, RSP # YELL-N-38</i>
71.11	Collins, Don, 1964-1966 <i>Ecology of aspen groves, RSP # YELL-N-14</i>
71.12	Conel, James, 1985 <i>Wind River Basin geological mapping using satellite imagery, no permit number</i>
71.13	Cooksey, Keith, 1985-1988 <i>Isolation of thermally tolerant microalgae, permit # 42</i>
71.14	Costello, Patrick, 1982 <i>Electrical resistivity survey of Upper Boundary Creek thermal area, no permit number</i>
71.15	Craig, Harmon, 1977-1980 RESTRICTED <i>Chemical and isotopic studies of geothermal gases, no permit number</i>
71.16	Craighead, John, 1966-1967 <i>Ear tagging elk, no permit number</i>
71.17	Craighead, John, 1962-1971 (1 of 2) <i>Elk migration studies, contract # 14-10-0243-458, RSP # YELL-N-4</i>
71.18	Craighead, John, 1962-1971 (2 of 2) <i>Elk migration studies, contract # 14-10-0243-458, RSP # YELL-N-4</i>
71.19	Craighead, John, 1964-1965 <i>Grizzly bear ecology, RSP # YELL-N-7, contract # 14-10-0232-911</i>
Box 72	
72.01	Creel, Gordon, 1977-1978 <i>Gastropods, no permit number</i>
72.02	Crook, Karen, 1969-1971 <i>Evolution and variation in natural populations of mimulus guttatus, no permit number</i>
72.03	Crysdale, Bonnie, 1982-1983 <i>Thermal alteration of organic matter in hot spring deposits, no permit number</i>
72.04	Daniel, Joseph, 1966 <i>Grizzly bear blastocysts, no permit number</i>
72.05	Daniel, Robert, 1974-1978 <i>Establishing presence and extent of magma chamber under Yellowstone caldera, RSP # YELL-N79</i>
72.06	DeBord, Phillip, 1976-1978 <i>Palynology of the Gallatin Mountain</i>
72.07	DeSarro, Joseph, 1981 <i>Causes of aspergillosis in trumpeter swan cygnets, no permit number</i>
72.08	Despain, Don, 1980-1981 <i>Nonpyrogenous climax lodgepole pine communities, no permit number</i>
72.09	Despain, Don, undated <i>Some effects of freeburning crown fires, no permit number</i>
72.10	Diem, Kenneth, 1964-1977 <i>Remote sensing of the Molly Islands white pelican breeding colony, RSP # YELL-N-76</i>
72.11	Diem, Kenneth, 1961-1962 <i>Degree of competition between elk and phytophagous insects, contract # 14-10-0243-449</i>
72.12	Doemel, William, 1980 <i>Aquatic biology (education), no permit number</i>
72.13	Doherty, David, 1973-1975 <i>Determination of flow direction by fluidal textures, no permit number</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 72 (cont.)

File Unit Nbr	Title
72.14	Doll, Fred, 1986-1987 <i>Effectiveness of communicating wildlife hazards, no permit number</i>
72.15	Doolittle, Douglas, 1969-1971 <i>Ecological study of small mammals at Beach Springs, RSP # YELL-N-54</i>
72.16	Dorf, Erling, 1954-1969 <i>Tertiary fossil forests of YNP, no permit number</i>
72.17	Dorn, Robert, 1979-1981 <i>Inventory of threatened and endangered plants in Wyoming, no permit number</i>
72.18	Dorn, Ronald, 1980 <i>Rock varnish at Dragonsmouth Spring, no permit number</i>
72.19	Dresel, Evan, 1978 <i>Geochemical study of hot springs, no permit number</i>
72.20	Droste, John, 1961-1965 <i>Clay mineral and mud pot formation, no permit number</i>
72.21	Dunlap, Debra Ann, 1985-1986 <i>Biosystematic study of the scirpinae group of carex, no permit number</i>
72.22	Easterbrook, Don, 1981-1982 <i>Paleomagnetic studies, no permit number</i>
72.23	Eaton, Gordon, 1974-1977 <i>Geophysical sounding for subsurface magma, RSP # YELL-N-78</i>
72.24	Eng, Robert, 1973-1975 <i>Ecology of aquatic birds on Yellowstone Lake, RSP # YELL-N-80, contract # CX1570-4-539</i>
72.25	Eng, Robert, 1978-1979 <i>Status of bald eagle and osprey, contract # CX-1200-8-B024</i>
72.26	Epler, John, 1980-1981 <i>Revision of nearctic dicotendipes (Insecta: Diptera: Chironomidae), no permit number</i>
72.27	Estep, Marilyn, 1981-1983 <i>Stable isotope biogeochemistry in hydrothermal springs, no permit number</i>
72.28	Evert, E. F., 1979 <i>Distribution patterns and comparison of flora species, no permit number</i>
72.29	Ferris, Grant, 1985-1987 <i>Mineralization of bacteria in geothermal sediments, permit # 34</i>
72.30	Fields, Marion, 1969-1970 <i>Ecological studies on bacillus stearothermophilus in thermal springs, no permit number</i>
72.31	Findholt, Scott, 1978-1984 <i>Small mammal trapping, no permit number</i>
72.32	Fisk, Lanny, 1972-1981 <i>Paleoecological investigations of the Eocene fossil forests, no permit number</i>

Box 73

73.01	Fliermans, Carl, 1978 <i>Hot springs algae, no permit number</i>
73.02	Foerster, Harold, 1974-1975 <i>Thermal water and soil samples, no permit number</i>
73.03	Fogarty, W.M., 1987-1988 <i>Isolation and screening of thermophilic microorganisms for extracellular enzyme production, permit # 290</i>
73.04	Foley, Duncan, 1980-1987 <i>Hydrothermal alteration in an active near-magma environment, no permit number</i>
73.05	Forrester, Donald, 1963 <i>Lungworm infection in bighorn sheep, no permit number</i>
73.06	Fortier, Byron, 1980-1981 <i>Survey of visitor attitudes toward bears and human activity in bear country, no permit number</i>
73.07	Fowler, Charles, 1991 <i>Potential impact of wolf reintroduction, no permit number</i>
73.08	Francis, Michael, 1977-1979 <i>Insects in forests of the northern Rocky Mountains, no permit number</i>
73.09	Frederick, Jerome, 1983 <i>Hot springs algae, no permit number</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 73 (cont.)

File Unit Nbr	Title
73.10	Freeman, Linda, 1987 <i>Mammoth naturalist programs, permit # 256</i>
73.11	French, Andrew, 1977-1979 <i>Paleomagnetic study: lower Eocene volcanics, no permit number</i>
73.12	Friedman, Irving, 1965-1972 <i>Seasonal temperature variations in obsidian, no permit number</i>
73.13	Friesema, H. Paul, 1986 <i>NPS policy evaluation, no permit number</i>
73.14	Frison, George, 1977-1979 <i>Vegetation history of Yellowstone Park as determined by pollen analysis, RSP # YELL-N-97, contract # CX-1200-7-B046</i>
73.15	Fritz, William, 1984-1987 <i>Investigation of layering in the Swan Lake flat basalt, permit # 246</i>
73.16	Gall, G.A.E., 1979 <i>Hybridization between cutthroat and rainbow trout: evidence from biochemical genetic loci, no permit number</i>
73.17	Gennet, Judith, 1985 <i>Carbon and oxygen isotopic analysis of marl from Blacktail Pond, no permit number</i>
73.18	Genter, David, 1983-1987 <i>Distribution and ecology of bats in YNP, permit # 47</i>
73.19	Geology Field Trips, 1968-1973
73.20	Ghiorso, Mark, 1977-1980 <i>Research on alkaline and acid hot springs, no permit number</i>
73.21	Gibson, James, 1983-1986 <i>Limnology of Lake Yellowstone, no permit number</i>
73.22	Gibson, James, 1981-1984 <i>Rocky Mountain acidification study, contract # 14-16-0009-81-029</i>
73.23	Gibson, J.H., 1981 <i>Evaluation of the sensitivity of selected national park areas to atmospheric deposition inputs (acid rain), no permit number</i>
73.24	Gibson, Ken, 1980 <i>Douglas fir beetle population assessment, no permit number</i>
73.25	Gilbert, Barrie, 1971-1972 <i>Pronghorn antelope behavior, RSP # YELL-N-64</i>

Box 74

74.01	Gilbert, Barrie, 1976-1981 <i>Bear behavior and human-bear relations, contract # CX-1570-7-0009</i>
74.02	Gilbert, Douglas, 1963-1967 <i>Toxicity of larkspur, lupine, and associated plants, no permit number</i>
74.03	Gill, Thomas, 1979 <i>Temperature gradients, no permit number</i>
74.04	Given, David, 1979-1981 <i>Geothermal vegetation, no permit number</i>
74.05	Glover, Fred, 1964-1968 (1 of 2) <i>Black bear population and movements, RSP # YELL-N-13, contract # 14-10-0232-853</i>
74.06	Glover, Fred, 1964-1968 (2 of 2) <i>Black bear population and movements, RSP # YELL-N-13, contract # 14-10-0232-853</i>
74.07	Graves, Brent, 1984-1985 <i>Behavioral ecology of <i>sceloporus graciosus graciosus</i> (sagebrush lizard), no permit number</i>
74.08	Greer, Kenneth, 1962-1972 (1 of 2) <i>Elk response to reduced population, RSP # YELL-N-2, contract # 14-10-0232-1047</i>
74.09	Greer, Kenneth, 1962-1972 (2 of 2) <i>Elk response to reduced population, RSP # YELL-N-2, contract # 14-10-0232-1047</i>
74.10	Gregory, Kathryn, 1990 <i>Tree-ring growth characteristics of fossil and modern sequoia, permit # 1415</i>
74.11	Griffeth, Melvin, 1987 <i>Buffalo skull, permit # 266</i>
74.12	Griffin, James, 1965 <i>Obsidian study, no permit number</i>

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Box 75

File Unit Nbr	Title
75.01	Griffith, Jack, 1981-1982 <i>Ecology and population abundance of cutthroat trout in Yellowstone River, no permit number</i>
75.02	Gunter, Bob, 1968-1973 <i>Geochemistry of hydrothermal gases, no permit number</i>
75.03	Guttman, James, 1978-1980 <i>Geological research on Eocene ash-flow tuffs of the Absarokas, no permit number</i>
75.04	Guy, Russell, 1982-1983 <i>Petrology and geochemistry of mixed lavas, no permit number</i>
75.05	Hagen, Grant, 1965 <i>Aquatic heat pollution study, no permit number</i>
75.06	Hale, Alan, 1979 <i>Niche partitioning - aquatic insects, no permit number</i>
75.07	Hampton, Paul, 1980-1981 <i>Wintering and nesting behavior of trumpeter swans, no permit number</i>
75.08	Hansen, Stephen, 1986 <i>Remote sensing imagery of Turbid Lake and Sour Creek resurging dome, no permit number</i>
75.09	Harting, Albert, 1980-1981 <i>Determinants of food habits and activity patterns of grizzly bears, no permit number</i>
75.10	Harvey, Bruce, 1980? <i>Detailed mapping, chemistry, and petrography of Electric Peak and Sepulchre Mountain, no permit number</i>
75.11	Hauge, Thomas, 1979 <i>Mapping of Heart Mountain detachment fault, no permit number</i>
75.12	Haynes, Gary, 1978-1982 <i>Bison bones, no permit number</i>
75.13	Heckmann, Richard, 1973-1979 <i>Parasites, no permit number</i>
75.14	Hedenquist, Jeffrey, 1978-1979 <i>Geologic history including mineralization of the archean rocks, no permit number</i>
75.15	Helenski, Tom, 1983 <i>Structural mapping of rhyolite flows, no permit number</i>
75.16	Hendrickson, William, 1969-1970 <i>Plant ecology studies, RSP # YELL-N-39</i>
75.17	Hendrickson, William, 1968-1971 (1 of 2) <i>Temperature and humidity in white pine blister rust areas, RSP # YELL-N-40</i>
75.18	Hendrickson, William, 1968-1971 (2 of 2) <i>Temperature and humidity in white pine blister rust areas, RSP # YELL-N-40</i>
75.19	Hendrickson, William, 1968-1975 <i>Aerial photography to define vegetation, RSP # YELL-N-41</i>
75.20	Hendrickson, William, 1969-1970 <i>Control of a limited stand of an exotic forb, Linaria Dalmatica, RSP # YELL-N-43</i>
75.21	Hendrickson, William, 1970-1971 <i>Turpentine factor in lodgepole pine, RSP # YELL-N-51</i>
75.22	Hendrickson, William, 1970-1971 <i>Analysis of soils which have demonstrated different plant responses, RSP # YELL-N-52</i>
75.23	Hendrickson, William, 1969-1971 <i>Promotion of native vegetation after construction, RSP # YELL-N-59</i>
75.24	Hendrickson, William, 1971 <i>Increasing snow melt on park roads, RSP # YELL-N-61</i>
75.25	Henry, Jeff, 1986 <i>Spring carcass survey, no permit number</i>
75.26	Hermance, John, 1986 RESTRICTED <i>Thermal regimes of major volcanic centers: magnetotelluric constraints, no permit number</i>

Box 76

76.01	Hoak, John, 1977-1978 <i>Study of mayflies in the Firehole River, no permit number</i>
76.02	Hogg, John, 1984 <i>Bighorn sheep mating strategies, no permit number</i>

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Box 76 (cont.)

File Unit Nbr	Title
76.03	Holdaway, Boyd, 1986 <i>Herbarium collection, no permit number</i>
76.04	Holloway, John, 1985 <i>Obsidian geochemistry of the Western U.S., no permit number</i>
76.05	Holmes, Ivan, 1973-1974 <i>Study using x-ray diffraction crystallography of the changes in volcanic residues with time and interaction with forest decomposition products, no permit number</i>
76.06	Hong, Won Shic, 1975 <i>Publication of hepatic flora of Wyoming, no permit number</i>
76.07	Hoover, Donald, 1983-1984 <i>Electrical studies in the Boundary Creek area, no permit number</i>
76.08	Hoshaw, Robert, 1980-1984 <i>Systematics of the green algal family zygnemataceae, no permit number</i>
76.09	Houston, Douglas, 1970-1974 <i>Wildfires in northern YNP, RSP # YELL-N-11a</i>
76.10	Houston, Douglas, 1968-1982 <i>Elk ecology and management investigations, RSP # YELL-N-29</i>
76.11	Houston, Douglas, 1971 <i>Fertilization of northern winter range, RSP # YELL-N-63</i>
76.12	Howald, Reed, 1982 <i>Observations on radioactivity from the Pitchstone Plateau area, no permit number</i>
76.13	Hubert, Wayne, 1983-1986 <i>Development of a valid aging procedure for Yellowstone cutthroat trout, no permit number</i>
76.14	Humphress, Jane, 1984-1986 <i>The role of arsenic in Yellowstone waters, no permit number</i>
76.15	Humphrey, William, 1980-1985 <i>Herbarium collection, no permit number</i>
76.16	IBP, 1972 <i>Mountain pine beetle project, no permit number</i>
76.17	Irby, Lynn, 1978-1984 <i>Upper Yellowstone bighorn monitoring study, no permit number</i>
76.18	Ives, David, 1973? <i>Neutron activation analysis of obsidian, no permit number</i>
76.19	Iyer, H.M., 1972-1979 <i>Seismic noise experiment to determine nature of seismic wave emission from the geyser system, no permit number</i>
76.20	Jackson, Reid, 1980 <i>Survey of fisheries and aquatic habitat, no permit number</i>
76.21	Jackson, William, 1966-1967 <i>Effects of natural radioactivity on the genus pinus, no permit number</i>
76.22	Jacobi, Gerald, 1976-1979 <i>Ecological comparison of two streams with and without native fish populations, RSP # YELL-N-91</i>
76.23	Jensen, Gary, 1979 <i>Pollination of alfalfa seed in Montana, no permit number</i>
76.24	Johnson, Frederic, 1979 <i>Riparian habitat classification system, no permit number</i>
76.25	Jonas, Robert, 1978-1980 <i>Post-fire arian ecology, contract # CX-1200-9-B039</i>
76.26	Jonas, Robert, 1955 <i>Population and ecological study of beaver in YNP, no permit number</i>
76.27	Jonkel, Charles, 1983 <i>Bear aversive/repellant tests, no permit number</i>

Box 77

77.01	Karnosky, David, 1986-1987 <i>Genecological evaluation of air pollution tolerances in hardwood trees, permit # 208</i>
77.02	Kaya, Calvin, 1974-1978 <i>Reproductive biology of trout in a thermally enriched environment: Firehole River, RSP # YELL-N-81</i>

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Box 77 (cont.)

File Unit Nbr	Title
77.03	Kendall, Carol, 1980 <i>Paleo-climatic study, no permit number</i>
77.04	Kendall, Kate, 1978-1981 <i>Bear use of pine nut caches, no permit number</i>
77.05	Kenk, Roman, 1964 <i>Preliminary survey of the planarians, no permit number</i>
77.06	Kirkley, John, 1978 <i>Presence and effects of organochlorine residues in Swainson's Hawks nesting, no permit number</i>
77.07	Kitchin, Robert, 1977-1979 <i>Cytogenetic analysis of cutthroat trout, RSP # YELL-N-96</i>
77.08	Klarich, Duane, 1969-1971 <i>Hydrobiology of the Madison River and its headwaters, no permit number</i>
77.09	Klein, William, 1968-1975 <i>Impact of uncontrolled mountain pine beetle infestation in lodgepole pine stand, RSP # YELL-N44</i>
77.10	Knight, Dennis, 1977-1979 <i>Fire and landscape diversity, RSP # YELL-N-94</i>
77.11	Krumpe, Edwin, 1978 <i>Redistributing backcountry use through a behavioral based communications device, no permit number</i>
77.12	Kuhns, Ralph, 1970-1971 <i>Hydrothermal alteration and clay mineral formation, no permit number</i>
77.13	Kullberg, Russell, 1978 <i>Hot springs algae, no permit number</i>
77.14	Kurz, Mark, 1986 <i>Cosmogenic terrestrial helium, permit # 224?</i>
77.15	Kyser, Kurt, 1982-1983 <i>Stable isotopic composition of geothermal fluids and their relation to the source of water within YNP, no permit number</i>
77.16	Lageson, David, 1984 <i>Geologic studies in the southern Gallatin Range, no permit number</i>
77.17	LaPoint, Thomas, 1979 RESTRICTED <i>Bioaccumulation of a trace substance and its effect on benthic communities in a natural stream receiving thermal effluents, no permit number</i>
77.18	Lattin, John, 1980-1981 <i>Miridae (insecta: hemiptera) associated with coniferous trees, no permit number</i>
77.19	Leopold, Estella, 1974 <i>Use of fossil pollen to reconstruct forest history of middle and late Pleistocene episodes, no permit number</i>
77.20	Levinson, Richard, 1978-1979 <i>Evaluation of thermally active areas, contract # CX-1200-8-B018</i>
77.21	Lewis, David, 1981 <i>Geochemical study of calcite springs, no permit number</i>
77.22	Lewis, Robert, 1980-1986 <i>Evaluation of the natural radioactivity in selected plants soil and water, no permit number</i>
77.23	Lichvar, Robert, 1980? <i>Rare plant inventories, no permit number</i>
77.24	Liebelt, James, 1968 <i>Serological study of cutthroat trout, no permit number</i>
77.25	Lindsey, Delbert, 1983 <i>Preliminary survey of plants in Bechler area, no permit number</i>
77.26	Lingappa, Banadakoppa, 1986-1989 <i>Anaerobic bioconversion</i>
77.27	Loudenslager, Eric, 1978 <i>Biochemical genetics of ranid frogs, no permit number</i>
77.28	Love, J.D., 1963-1968 <i>Pleistocene and glaciers, no permit number</i>
77.29	Low, Jessop, 1957-1975 <i>Effects of natural occurring fluoride on wildlife, no permit number</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

Box 77 (cont.)

File Unit Nbr	Title
77.30	Luoma, Sam, 1975? <i>Biology of trout in thermally enriched environment: Firehole River, no permit number</i>
77.31	Machlis, Gary, 1982-1985 <i>Visitor services project, no permit number</i>
77.32	Madigan, Michael, 1982-1985 <i>Thermophilic phototropic bacteria, no permit number</i>

Box 78

78.01	Maj, Mary, 1980-1982 <i>Analysis of trumpeter swan habitat in the Targhee National Forest, no permit number</i>
78.02	Majors, Harry, 1961-1962 <i>Mirror Plateau reconnaissance, no permit number</i>
78.03	Mainzer, Stanley, 1982-1985 <i>In situ enrichment for the isolation and identification of extreme thermophiles which degrade biopolymers, no permit number</i>
78.04	Manchester, Steven, 1983-1990 <i>Fossil flora of the Specimen Ridge Fossil Forest, permit # 174</i>
78.05	Marrs, Ronald, 1977-1979 <i>History of forest fires in YNP remote sensing, RSP # YELL-N-95</i>
78.06	Marston, Richard, 1990 <i>Changes in geomorphic processes in the snake river following impoundment of Jackson lake and 1988 fires, no permit number</i>
78.07	Marsh, Stuart, 1974 <i>Satellite delineation of geothermal sources, RSP # YELL-N-83</i>
78.08	Martinsen, David, 1963-1964 <i>Preliminary study on the life history of the western chipmunk, no permit number</i>
78.09	Martner, Brooks, 1973-1978 <i>Climatology, RSP # YELL-N-75</i>
78.10	Mattoon, James, 1982-1987 <i>Cellobiase from thermophilic bacteria, no permit number</i>
78.11	Maucci, Walter, 1984 <i>Contribution to the knowledge of North American tardigrada, no permit number</i>
78.12	May, Rodd, 1978-1980 <i>Thermoluminescence dating of silicic volcanic rocks, no permit number</i>
78.13	McAllister, David, 1974-1978 <i>Effect of hydrogen sulfide gas on vegetation near hot springs and geysers, RSP # YELL-N-84</i>
78.14	McBee, Richard, 1962-1964 <i>Physiology and parasitology of the Yellowstone Park Elk, Contract # 14-10-0243-486</i>
78.15	McBee, Richard, 1962-1964 <i>Rumen physiology of Yellowstone Elk, contract # 14-10-0243-486</i>
78.16	McBee, Richard, 1962-1964 <i>Biological studies of Yellowstone Elk, contract # 14-10-0243-440</i>
78.17	McBee, Richard, 1962-1964 <i>Physiology and parasitology of the Yellowstone Park Elk, contract # 14-10-0243-457</i>
78.18	McCool, Stephen, 1986 <i>Effectiveness of habituated wildlife hazard communications, no permit number</i>
78.19	McGillis, John, 1974-1975 <i>Study of bacteria in hot springs, no permit number</i>
78.20	McKnight, Kent, 1963-1967 <i>Fleshy fungi study, no permit number</i>
78.21	McMahon, Vern, 1966-1970 <i>Algal protein content, no permit number</i>
78.22	McNaught, David, 1984-1985 <i>Park visitor attitudes toward wolves, no permit number</i>
78.23	Meagher, Mary, 1974-1978 <i>Evaluations of management to reduce bear injuries to humans and maintain bears under natural conditions, RSP # YELL-N-77</i>
78.24	Middlekauf, Woodrow, 1978-1982 <i>Cricket specimens, no permit number</i>

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Box 78 (cont.)

File Unit Nbr	Title
78.25	Milek, James, 1982-1990 <i>Genetic and evolutionary relationships of some species in genus mertensia, permit # 83?</i>
78.26	Miller, G.A., 1980-1984 <i>Study of genesis of Eocene volcanic activity, no permit number</i>
78.27	Miller, John, 1984 <i>Collection of microorganisms from thermal springs and pools, no permit number</i>
78.28	Miller, Lee, 1965-1969 <i>Distribution of natural vegetation on heated soil sites, RSP # YELL-N-33</i>
78.29	Miller, Lee, 1968-1969 <i>Winter observations on steaming ground, no permit number</i>

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79.01	Miller, W. Dwain, 1977-1982 <i>Backcountry campsite impacts, no permit number</i>
79.02	Miller, William, 1984 <i>Ecological relationships of phylum tardigrada to the environment from various global sites, no permit number</i>
79.03	Montagne, Cliff, 1978-1980 <i>Composition of the soils of Pelican and Hayden Valleys, no permit number</i>
79.04	Montana Fish and Game, 1967 <i>Shocking Madison River, no permit number</i>
79.05	Montgomery, Carla, 1979-1984 <i>Rb-Sr isotopic investigation of Precambrian rocks in the south snowy block, beartooth mountains, no permit number</i>
79.06	Moore, Carleton, 1972-1975 <i>Analysis of water and air samples to determine geochemical cycles of boron and heavy metals in geothermal areas, no permit number</i>
79.07	Moore, Johnnie, 1978 <i>Paleoecology and depositional history of the Amethyst Mountain fossil forest, no permit number</i>
79.08	Moore, Robert, 1978-1983 <i>Utilization of elk carcasses by insects, contract # CX-1570-8-0020</i>
79.09	Moore, Robert, 1967-1978 <i>Population structure and growth rate of sceloporus graciosus graciosus near Norris Geyser Basin, RSP # YELL-N-65</i>
79.10	Moore, Robert, 1977-1981 <i>Small mammal communities after natural fires, RSP # YELL-N-98c, contract # CX-1570-8-0010</i>
79.11	Morgan, Paul, 1974-1975 <i>Geophysical heat flow study in Yellowstone Lake, no permit number</i>
79.12	Morris, Glenn 1980-1981 <i>Biology of cyphoderris strepitans, no permit number</i>
79.13	Morrison, George, 1969 <i>Interpretive proposal for Lamar Valley and vicinity, RSP # YELL-N-46</i>
79.14	Motschenbacher, Mike, 1980 <i>White pelican feeding site evaluation, no permit number</i>
79.15	Murphy, Joseph, 1960-1967 <i>Ecology of the bald eagle, no permit number</i>
79.16	Murphy, Joseph, 1966-1967 <i>Ecology of thermal fauna, no permit number</i>
79.17	Nakamura, David, 1980 <i>Bryophytes, no permit number</i>
79.18	Nakamura, Hiroo, 1988-1989 <i>Flowers and insects television documentary, permit # 291</i>
79.19	Nash, David, 1980 RESTRICTED <i>Fault scarp morphology: indicator of paleoseismic chronology, no permit number</i>
79.20	Nash, William, 1980 <i>Geochemistry of rhyolite, no permit number</i>
79.21	Nasseth, DeAna, 1980-1985 <i>Change in radial growth rate of lodgepole pine and subalpine fir along hiking trails, no permit number</i>

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79.22	Nevergold, Paul, 1981-1983 <i>Volcanic rock specimen collection, no permit number</i>
79.23	Newmark, William, 1982-1986 <i>Mammalian richness, colonization, and extinction in wester North American national parks, no permit number</i>
79.24	Nielsen, Jerry, 1986 <i>Dalmatian toadflax infestation project, no permit number</i>
79.25	Nielsen, Lewis, 1965-1967 <i>Mosquito collection, no permit number</i>
79.26	Oakleaf, Bob, 1979 <i>Peregrine falcons, no permit number</i>
79.27	Oldemeyer, John, 1964-1970 <i>Bighorn sheep ecology, RSP # YELL-N-1</i>
79.28	Olsen, Lance, 1977-1980 <i>Park visitor's perceptions of the wildness and dangerousness of park bears, no permit number</i>
79.29	Othberg, Kurt, 1975 <i>Paleomagnetic work requiring samples of lava flow of K-A dated flows, no permit number</i>
79.30	Otto, E. Charles, 1975 <i>Impact of horse trails on ecosystem of Canyon area, no permit number</i>
79.31	Pace, Norman, 1981-1983 <i>Analysis of natural microbial populations by ribosomal RNA cloning and sequencing, no permit number</i>
79.32	Packee, Edmond, 1964-1965 <i>Soil study, no permit number</i>
79.33	Palin, Mike, 1981 <i>Possible sulfide ore-forming environments, no permit number</i>
79.34	Pankow, Dave, 1982 <i>Herbarium collection, no permit number</i>

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80.01	Parker, Albert, 1981 <i>Lodgepole pine forest comparative dynamics, no permit number</i>
80.02	Parker, Michael, 1976-1978 <i>Limnological changes in Yellowstone Lake indicated by sediment diatoms, RSP # YELL-N-85</i>
80.03	Parkinson, Aida, 1981 <i>Biochemical variation and hybridization in myotis lucifungus and m. yumanensis, no permit number</i>
80.04	Parsons, Willard, 1957-1965 <i>Volcanic rock conference, no permit number</i>
80.05	Patten, Duncan, 1981-1982 <i>Sulfur tolerant plants, no permit number</i>
80.06	Patten, Duncan, 1963-1973 <i>Vegetation-environmental relationships, no permit number</i>
80.07	Pearson, Oliver, 1967 <i>Birds, no permit number</i>
80.08	Perkes, Robert, 1986-1990 <i>Insect species baseline study, permit # 222</i>
80.09	Peterson, David, 1982-1983 <i>Post-fire timber damage in the northern Rocky Mountains, no permit number</i>
80.10	Peterson, Rolf, 1999-2000 (1 of 2) <i>Multi-trophic level responses to the addition of a top carnivore, permit # 5096</i>
80.11	Peterson, Rolf, 1999-2000 (2 of 2) <i>Multi-trophic level responses to the addition of a top carnivore, permit # 5096</i>
80.12	Phillips, Clynn, 1977-1981 <i>Amount and location of backcountry day use, RSP # YELL-N-93</i>
80.13	Phinney, Robert, 1967-1968 <i>Crustal studies, no permit number</i>
80.14	Picton, Harold, 1973-1978 <i>Human wildlife interaction in the Gallatin Range, RSP # YELL-N-72, contract # CX-6860-3-0471</i>
80.15	Picton, Harold, 1973-1978 <i>Food habits of grizzly bear, RSP # YELL-N-74</i>

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80.16	Picton, Harold, 1977-1981 <i>Impact of winter recreationists upon wildlife, contract # CX-1579-9-0002</i>
80.17	Pierce, Kenneth, 1979-1980 <i>Paleomagnetic work, no permit number</i>
80.18	Pierce, William, 1970 <i>Vegetative trends, no permit number</i>
80.19	Porath, Hartmut, 1969 <i>Geomagnetic studies, no permit number</i>
80.20	Poulin, Ray, 1981 <i>Bacterial content of soil from abandoned dumpsites, no permit number</i>
80.21	Powers, Robert, 19880-1983 <i>Nutrition of forest ecosystems (sulfate analysis), no permit number</i>
80.22	Pursell, Victoria, 1983-1984 <i>Petrology and diagenesis of Pleistocene and recent travertines, no permit number</i>

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81.01	Ramaley, Robert, 1977-1984 <i>Metabolic biology of extremely thermophilic bacteria, no permit number</i>
81.02	Redmann, Robert, 1984-1986 <i>Tolerance of plants to environmental stresses around thermal areas, no permit number</i>
81.03	Reed, John, 1966-1968 <i>Campground utilization, no permit number</i>
81.04	Reeve, Stewart, 1978-1979 <i>Archaeological research/plant collecting, no permit number</i>
81.05	Reeves, Hershel, 1969 <i>Lodgepole vegetation, no permit number</i>
81.06	Resh, Vincent, 1982-1989 <i>Ecological studies of hot spring insects, no permit number</i>
81.07	Reynolds, Richard, 1971-1975 <i>Paleomagnetism of the Yellowstone welded tuffs and associated air-fall ashes, no permit number</i>
81.08	Reynolds, Richard, 1979-1980 <i>Paleomagnetic study of lava flows and sediments of the Rhyolite Plateau, no permit number</i>
81.09	Rhodes, Raymond, 1966-1967 <i>Geysers, no permit number</i>
81.10	Rice, Barbara, 1969-1973 <i>Biology of mimulus guttatus in thermal areas, RSP # YELL-N-48</i>
81.11	Richmond, Gerald, 1967-1975 <i>Development and stagnation of the last Pleistocene icecap/Yellowstone Lake geology, no permit number</i>
81.12	Riley, Lee, 1979 <i>Toxicity of copper on cyanophyceae in geothermal features, no permit number</i>
81.13	Rinehart, John, 1965-1973 <i>Prediction of geyser eruptions, no permit number</i>
81.14	Ritland, Richard, 1968-1972 <i>Fossil forest study, no permit number</i>
81.15	Roberts, Bruce, 1986-1987 <i>Potential influence of recreational use on Nelson Spring Creek, permit # 202</i>
81.16	Rocken, Christian, 1983 <i>Hydrogen release from active faults, no permit number</i>
81.17	Roemild, George, 1979-1985 <i>Aquatic invertebrates, no permit number</i>
81.18	Rogers, Samuel, 1982 <i>Cercarial dermatitis, no permit number</i>
81.19	Rominger, James, 1981 <i>Transect evaluation of the Northern Yellowstone Elk Winter Range, no permit number</i>
81.20	Romme, William, 1980-1990 <i>Effects of mountain pine beetle outbreaks on forest productivity and fuels, permit # 178 and 105</i>
81.21	Rosenfeld, Mark, 1986 <i>Genetics and biogeography of western North American fish, no permit number</i>

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 01 *Permits and Projects, 1954-Present (cont.)*

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81.22	Rudd, Bill, 1979-1983 <i>Elk distribution and movements, no permit number</i>
81.23	Runas, C.E., 1985-1986 <i>National surface water survey, no permit number</i>
81.24	Russell, James, 1985-1990 <i>Welding of pyroclastic flows and the glass transition temperature, permit # 109</i>
81.25	Rutberg, Allen, 1980-1984 <i>Intraspecific competition in American bison cows in late winter, no permit number</i>
81.26	Rye, Robert, 1982-1983 <i>Stable isotope geochemistry of YNP, no permit number</i>
81.27	Saffle, Jeffrey, 1980-1982 <i>Classifying butterflies, no permit number</i>

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82.01	Schaefer, Vincent, 1958-1972 <i>Atmospheric research studies, contract # 14-10-2-101-102</i>
82.02	Schaefer, Vincent, 1970-1971 <i>Atmospheric science, no permit number</i>
82.03	Schaefer, Vincent, 1961-1965 <i>Field research seminars and expeditions (atmospheric science), no permit number</i>
82.04	Schlichting, Harold, 1962-1963 <i>Thermal springs, no permit number</i>
82.05	Schreyer, Richard, 1982 <i>Understanding the expectation of wilderness users, no permit number</i>
82.06	Schultz, Robert, 1970 <i>Speleological study, no permit number</i>
82.07	Scogin, Ron, 1984-1990 <i>Floral color variation within plant communities, permit # 110?</i>
82.08	Scott, John, 1974-1977 <i>Investigation into zooplankton of Yellowstone Lake, RSP # YELL-N-82</i>
82.09	Sebasta, Paul, 1959-1961 <i>Yellowstone Lake studies, no permit number</i>
82.10	Seigel, Daniel, 1980 <i>Statistical model of the Old Faithful Geyser Field, no permit number</i>
82.11	Seversen, Keith, 1963 <i>Range studies, no permit number</i>
82.12	Shackleton, David, 1967 <i>Ecological comparisons of social organization in bison, no permit number</i>
82.13	Shannon, Spencer, 1978-1980 <i>Geochemical reconnaissance of the Ashton Quadrangle, no permit number</i>
82.14	Shea, Ruth, 1976-1980 <i>Trumpeter swan cygnet mortality studies, RSP # YELL-N-88, contract # CX-1200-8-B021</i>
82.15	Sheppard, John, 1969-1970 <i>Influence of geothermal temperature gradients upon vegetation patterns, no permit number</i>
82.16	Sheppard, John, 1969 <i>Effect of steaming ground on patterns of vegetation, RSP # YELL-N-47</i>
82.17	Sheridan, Richard, 1973-1975 <i>Ecology of thermal basins, no permit number</i>
82.18	Sherlock, John, 1982 <i>Biogeographical analysis, no permit number</i>
82.19	Shute, Don, 1979 <i>[No information provided], no permit number</i>
82.20	Sinensky, Michael, 1975 <i>Exudates of green algae on the growth of diatoms as a function of temperature, no permit number</i>

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83.01	Sipprell, Lawrence, 1984-1987 <i>Commercial impacts upon backcountry environments and recreation, no permit number</i>
83.02	Skinner, M.M., 1977-1978 <i>Sedimentation and meandering of the Yellowstone River, contract # CX-1200-6-B042</i>

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83.03	Skinner, Quentin, 1982-1983 <i>Grasses of Wyoming, no permit number</i>
83.04	Sloan, Norman, 1968-1971 RESTRICTED <i>Bio-environmental regulation of insect population, no permit number</i>
83.05	Smith, J. Dungan, 1986-1987 <i>Topographic survey of meandering rivers, permit # 209</i>
83.06	Smith, Robert, 1971-1975 <i>Acoustic-magnetic studies, Yellowstone Lake/Earthquake monitoring, no permit number</i>
83.07	Smith, Robert, 1990 <i>Analysis of the Yellowstone seismograph network, no permit number</i>
83.08	Spateholts, Bob, 1983 <i>Fish population survey, no permit number</i>
83.09	Spencer, Merrill, 1966 <i>Arterial pressure study: bears, no permit number</i>
83.10	Spomer, George, 1970-1973 RESTRICTED <i>Eco-physiologic investigations of the role of soil temperature in the formation of alpine timberlines, RSP # YELL-N-57</i>
83.11	Stalmaster, Mark, 1977 <i>Golden eagle management plan, no permit number</i>
83.12	Starkey, Ed, 1969 <i>Moose study, no permit number</i>
83.13	Stauber, Douglas, 1983 <i>Teleseisms, no permit number</i>
83.14	Stebbins, G. Ledyard, 1980-1981 <i>Collection and sex ratio of antennaria compositae, no permit number</i>
83.15	Stetter, Karl, 1984-1988 <i>Isolation of extremely thermophilic archaeobacteria on solfatara fields, permit # 115</i>
83.16	[No Name], 1965-1969 <i>Stevens Creek: water wells, no permit number</i>
83.17	Stevens, Joan, 1983 <i>Herbarium collection, no permit number</i>
83.18	Stirling, David, 1986-1987 <i>Biological and biochemical methane reactions, no permit number</i>
83.19	Stockton, Charles, 1972-1975 <i>Reconstruction of paleoclimate, RSP # YELL-N-69</i>
83.20	Stottlemeyer, Robert, 1979-1987 <i>Effects of fire-released nutrients on aquatic systems, no permit number</i>
83.21	Striby, Karl, 1980-1982 <i>Forage relationships of big sagebrush and black sagebrush, no permit number</i>
83.22	Struhsacker, Debbie, 1976-1978 <i>Comparison of mixed rhyolite-basalt lavas, no permit number</i>
83.23	Struhsacker, Eric, 1975 <i>Structural control of geothermal features, no permit number</i>
83.24	Sweaney, James, 1983-1984 <i>Gypsy moth detection, no permit number</i>
83.25	Swift, David, 1979 <i>Energy and nutrient dynamics of Northern Yellowstone Elk, no permit number</i>
83.26	Talbot, Hank, 1985-1986 <i>Enzymes from thermophilic bacteria, no permit number</i>
83.27	Tansey, Michael, 1971 <i>Claviceps ergotism on eleocharis, no permit number</i>
83.28	Taylor, David, 1977-1978 <i>Biology of mosquitoes on Frank's Island, no permit number</i>
83.29	Temple, Kenneth, 1964-1975 <i>Ecology of thermal waters, RSP # YELL-N-35</i>
83.30	Teton Science School, 1985-1987 <i>Entomology for fly fishermen seminars, permit # 145</i>
83.31	Teton Science School, 1971

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 83.32 **Thornburg, Janet Bauder, 1983-1986**
Depositional facies and petroleum potential of phosphatic shelf deposit, no permit number

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84.01 **Thurston, Peter, 1985-1986**
Provenance of archean metasediments, no permit number

84.02 **Torgersen, Thomas, 1978**
Hot springs, no permit number

84.03 **Tranel, Michael, 1982**
Biogeography, no permit number

84.04 **Trettin, Carl, 1980-1986**
Characterization of soils, contract # CX-1200-1-B027

84.05 **Truesdell, Alfred, 1977-1983**
Isotopic study, no permit number

84.06 **Turner, John, 1967-1968**
Bald eagle study, no permit number

84.07 **Tuttle, Russell, 1982**
Bear tracks, no permit number

84.08 **Tyson, Patrick, 1981-1982**
Backcountry management, no permit number

84.09 **Vanhorn, Fred, 1978-1980**
Winter snowmobile survey, no permit number

84.10 **Vice, Daniel, 1988**
Soil temperature survey, no permit number

84.11 **Vik, Rolf, 1986**
Revision of diphyllbothrium species, no permit number

84.12 **Villasenor, Ricardo, 1984-1985**
Reservoir geometry, no permit number

84.13 **Visty, 1980?**
Nectar robbing: frequency and impact on seed set, no permit number

84.14 **Vyse, Ernest, 1978-1979**
Comparison of arctic grayling lateral line scale counts, contract # CX-1200-7-B029

84.15 **Vyse, Ernest, 1978-1981**
Comparison of arctic grayling genetic and meristic characters, contract # CX-1200-8-B025

84.16 **Vyse, Ernest, 1978**
Ecological genetics of trout adapted to geothermally heated waters, no permit number

84.17 **Vyse, Ernest, 1979**
Genetic comparison of trumpeter swan populations, no permit number

84.18 **Vyse, Ernest, 1974-1978**
Taxonomic status of Montana grayling, RSP # YELL-N-86

84.19 **Waddington, Jean, 1970-1971**
Palynological study Cub Creek Pond, RSP # YELL-N-58

84.20 **Walter, Malcom, 1971-1972**
Siliceous algae and bacteria, no permit number

84.21 **Weaver, John, 1974-1982**
Status of Rocky Mountain Wolf, no permit number

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85.01 **Westrich, Henry, 1982-1983**
Hydrothermal magma research, no permit number

85.02 **Wharton, Bob, 1975**
Wasps of family braconidae, no permit number

85.03 **Whitman, Richard, 1985-1990**
Meiofauna of Lake Yellowstone beach sands, permit # 133

85.04 **Wickstrom, Conrad, 1977-1987 (1 of 2) RESTRICTED**
Nitrogen fixation in thermal springs, permit # 135, RSP # YELL-N-89

85.05 **Wickstrom, Conrad, 1977-1987 (2 of 2) RESTRICTED**
Nitrogen fixation in thermal springs, permit # 135, RSP # YELL-N-89

85.06 **Williams, C. Michael, 1969-1971**
Successional patterns of conifers in fire-disturbed stands, RSP # YELL-N-50

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85.07	Wolcott, Tammy, 1981 <i>Mineralogy of the Yellowstone tuffs, no permit number</i>
85.08	Wood, S.H., 1978-1979 <i>Monitoring tectonic tilt, no permit number</i>
85.09	Woolf, Alan, 1966-1968 <i>Summer distribution and ecology of bighorn sheep, RSP # YELL-N-32</i>
85.10	Worchester, Suzi, 1982-1983 <i>Use of <i>sulfolobus acidocaldarius</i> to oxidize thiocyanite into sulfate, no permit number</i>
85.11	Wrenn, McDonald, 1981-1982 <i>Tritium in natural ground water, no permit number</i>
85.12	Wright, Gary, 1979-1981 <i>Archeology, no permit number</i>
85.13	Wright, Gary, 1969-1972 <i>Obsidian source studies, no permit number</i>
85.14	Wright, John, 1968-1970 <i>Water quality, RSP # YELL-N-67</i>
85.15	Wright, John, 1965-1967 <i>Recreational health, no permit number</i>
85.16	Wright, John, 1961-1972 <i>Hydrobiology of the Madison River and its headwaters, no permit number</i>
85.17	Wujek, Don, 1980-1985 <i>Thermal measurement and chemical analysis of water, no permit number</i>
85.18	Wyoming Fish and Game, 1957-1967 <i>Goose banding, no permit number</i>
85.19	Youmans, Clifton, 1977-1980 <i>Characteristics of pocket gopher populations, RSP # YELL-N-92, contract # CX-1200-8-B023</i>
85.20	Yuretich, Richard, 1981-1984 <i>Extent of lakes in fossil forest strata, no permit number</i>
85.21	Zales, William, 1973 <i>Mosses in the family bartramiaceae, no permit number</i>
85.22	Zawislak, Ronald, 1977-1978 <i>Seismic studies, no permit number</i>

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