

APPENDICES

Appendix 1. Critical Elements of the Human Environment

Air Quality	The Clean Air Act of 1955, as amended
Areas of Critical Environmental Concern	Federal Land Policy and Management Act of 1976
Cultural Resources	National Historic Preservation Act of 1966, as amended
Environmental Justice	Executive Order 12898
Farm Lands (Prime or Unique)	Surface Mining Control and Reclamation Act of 1977
Floodplain	Executive Order 11988, as amended
Migratory Birds	Executive Order 13186
Native American Religious Concerns	American Indian Religious Freedom Act of 1978
Threatened or Endangered Species	Endangered Species Act of 1973, as amended
Wastes, Hazardous or Solid	Resource Conservation and Recovery Act of 1976, and Comprehensive Environmental Response, Compensation and Liability Act of 1980
Water Quality, Drinking or Ground	Safe Drinking Water Act of 1974, as amended and Clean Water Act of 1977
Wetlands/Riparian Zones	Executive Order 11990
Wild and Scenic Rivers	Wild and Scenic Rivers Act of 1968, as amended
Wilderness	Federal Land Policy and Management Act of 1976 and Wilderness Act of 1964

Appendix 2. Determination of Significance and Impact

BURLEY FIELD OFFICE OF THE BUREAU OF LAND MANAGEMENT

Project Title: Idaho Power Right of Way **Proj. No.** IDI-34249

Results of Records Review and Field Examination:

- No sites are present in the project area.
- Sites are present in the project area (see below).

Determination of Eligibility:

<u>Site No.</u>	<u>Not Eligible</u>	<u>Potentially Eligible</u>	<u>Eligible</u>	<u>Listed</u>
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(Please see Attached)

Determination of Effect:

<u>Site No.</u>	<u>No Effect</u>	<u>No Adverse Effect</u>	<u>Adverse Effect</u>	<u>Rationale</u>
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(Please see Attached)

Conditions, Stipulations and Coordinating Requirements

The stipulations and conditions as stated in the review document will be included in the Right-of-Way issued to Idaho Power for these power lines.

1. All sites which were "unevaluated" need to be evaluated as either "eligible or ineligible" prior to any further disturbance.
2. All sites which were evaluated as "potentially eligible" need to be re-evaluated as either eligible or ineligible.
3. All sites which were evaluated as Eligible for the National Register of Historic Places need to have that designation resolved by additional work to prepare the following:
 - A. A nomination to the National Register of Historic Places
 - B. An appropriate mitigation plan and determination of affect to assess a no affect, no adverse affect or adverse affect as a result of the ROW, maintenance activity or other future work.
4. All site forms submitted need to be updated as appropriate and sent to the appropriate BLM office and the State Historic Preservation Officer, particularly those mentioned in the above text.

BLM Certification

John C. Lytle, Archaeologist Date

District Manager Date

SHPO Comment: I have reviewed the documentation and recommendations provided by the BLM.

- I agree with the above determination of eligibility and effect and with the conditions of compliance.
- I agree with the above determination of eligibility and effect given stipulations explained below or in the attached letter.
- I disagree with the above determination of eligibility and effect as explained below or in the attached letter.

State Historic Preservation Officer Date

Appendix 3. Comments from the Idaho State Historic Preservation Office



BUREAU OF LAND MANAGEMENT
UPPER SNAKE RIVER DISTRICT
BURLEY FIELD OFFICE
RECEIVED

July 16, 2003

2003 JUL 18 AM 10 12

TO: John Lytle

FROM: Glenda King

RE: Idaho Power Right of Way, IDI-34249

Our mission: to educate through the identification, preservation, and interpretation of Idaho's cultural heritage.

Yesterday Idaho Power provided us with the final documents we needed in order to complete this review. Our comments are as follows:

Dirk Kempthorne
Governor of Idaho

Lines 906, 912, and 951

Steve Guerber
Executive Director

Our office provided comments on these lines on January 10, 2003. Enclosed you will find a copy of these comments.

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Line 902

We agree with your findings and evaluations with the following exceptions. Site IPC 902-2 (10EL1489) should be included under the potentially eligible heading instead of with the not eligible sites. The status of a previously recorded site that is included only in the tables and not addressed in the report, 10TF136, should be discussed. Our records indicate it may be eligible and it is located within the pathway of this line. Two sites, both lithic scatters located under this transmission line, have been identified recently. They are 10EL1575 and 10EL1636. These sites should be included in the "potentially eligible" list.

Line 950

We agree with your findings and evaluations.

Finally, we believe the preparation of a nomination to the National Register of Historic Places is not necessary as part of the Section 106 review process. We do support your stipulation that prior to any ground-disturbing activity, the Section 106 Review process needs to be completed beginning with determinations of eligibility for any unevaluated or potentially eligible sites within the APE. Section 106 Review would also be necessary prior to increasing the historic patterns of frequency or weight/impact of equipment on the service roads.



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Dirk Kempthorne
Governor of Idaho

Steve Guerber
Executive Director

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Craig A. Jones
Hells Canyon Relicensing Project Manager
Hydro Relicensing Department
Idaho Power Company
P.O. Box 70
Boise, Idaho 83707

RECEIVED
JAN 13 2003

January 10, 2003

Dear Mr. Jones:

Thank you for the opportunity to comment on the draft technical appendices for FERC Project No. 1971, the new license application for the Hells Canyon hydroelectric project. As you know, this has been an enormous undertaking.

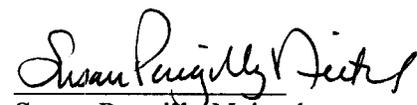
The comments found in this letter are from the two deputy State Historic Preservation Officers at Idaho SHPO. Included as attachments to the letter are comments on the historic architecture by Donald W. Watts, preservation planner at Idaho SHPO, and comments on the descriptive site records for the Hells Canyon NRA segment by Robert Yohe II, former Idaho state archaeologist. Because of Dr. Reid's former role as principal investigator for the Rainshadow Research effort during the 1998-1999 field seasons, his comments were not solicited for site records generated during that period.

We would like to start by complimenting Idaho Power Company on its obvious commitment to completing a comprehensive and state-of-the-art survey of the relicensing study area. By the same token this is an extraordinary amount of information to review in so short a period. We have worked to be clear and convincing in our comments and criticisms but we will be happy to discuss any of them with your team as the final report is produced.

Sincerely,


Kenneth C. Reid, Ph.D.
State Archaeologist and Deputy SHPO

Sincerely,


Susan Pengilly Neitzel
Compliance Coordinator and
Deputy SHPO



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Craig A. Jones
Idaho Power Company
SHPO Comments

Transmission Lines

General Comments: We appreciate receiving the list of legal descriptions for the transmission lines that were surveyed. We also need USGS quad maps showing the APEs, areas surveyed, and previously recorded and newly recorded archaeological sites within the APEs for these reports.

We did not receive Laurie Mauser's 1997 report documenting archaeological survey of Line 903. You have informed us, however, that this survey took place entirely in Oregon. If this is the case, we will not need a copy of that report or the site records.

We noted some discrepancies between the widths of the ROWs listed in Table E.4-10 of the License Application and the widths of the APEs and areas surveyed in the reports. Idaho Power should make sure that all of these figures correspond and recalculate the acres surveyed. We also recommend that a column be added to this table showing acres surveyed in Idaho.

A comprehensive table should be prepared that shows, by transmission line, all of the sites recorded within each transmission line's APE and the National Register evaluation of each site. The table should be similar that provided in Appendix 3.1-g of the Cultural Resources Management Plan, but should include sites evaluated as *not eligible* as well. Site evaluations change over time, so sites that have been evaluated as not eligible now may need to be reconsidered over the 30-year life of this license.

Several of the reports cite poor ground visibility as hindering the surveys. As part of ongoing management, Idaho Power needs to resurvey those portions where ground visibility was especially poor.

After considering the comments received for this review, site evaluations should be revised in the Exhibit E.4. Report on Historical and Archaeological Resources and in the Cultural Resource Management Plan before the final Application is submitted.

We found errors and omissions in Table 3.1-g of the Cultural Resources Management Plan. The information in this table will be very important for future archaeological monitors and other users of the CRMP, and needs to be checked against the reports again to ensure accuracy.

Finally, how does Idaho Power intend to address current effects from line maintenance and access on archaeological sites?

Craig A. Jones
Idaho Power Company
SHPO Comments

Lines 906 and 912: *Cultural Resources Survey of Idaho Power Company Transmission Lines 906 and 912, Boise Bench to Midpoint Station, Ada, Elmore, Gooding, and Lincoln Counties, Idaho* by James C. Chatters and Daryl E. Ferguson, Applied Paleoscience. December 1997.

- < The report needs U.S.G.S. topographic maps showing the survey corridors, and previously recorded sites and newly recorded sites in relation to the transmission line.
- < The report needs to clearly define the area of potential effects (APE) and survey corridor. This definition should be used consistently throughout the report. If a broader area was considered during the record search, which the report suggests, that too should be clearly stated. As written, project corridors of several widths are discussed. For example, on page 1, the report states that the project corridor is a 30-m (100-ft)-wide right of way. The next sentence explains that we reviewed not only sites directly within this corridor, but also known sites within 500m of that corridor. On page 11, it states that Idaho State Historical Society records document only eight properties within 500m of the project centerline. Also on page 11, it says that none of the known sites is intersected by, or within 50m of the outer edge of, the right-of-way. Finally, Table E.4-10 in the Licence Application itself states that the ROW is 80 feet wide.
- < The report leaves many of the sites unevaluated. According to 36CFR800 and to the Advisory Council on Historic Preservation, these sites need to be evaluated to design appropriate management or treatment measures. Until the sites are evaluated, we recommend that they be managed as eligible for the National Register of Historic Places.
- < We recommend that the following sites be managed as *eligible* for the National Register of Historic Places until Idaho Power completes evaluation:

Line 906	Eligible	Line 912
AP97-107	AP97-108	AP97-115
AP97-201	AP97109(10EL199)	AP97-116
AP97-204	AP97110	AP97-117
AP97-205	AP97111	AP97-202
AP97-206	AP97112	AP97-203
AP97-207	AP97-113	AP97-208
	AP97-114	AP97-209
		AP97-211

Craig A. Jones
Idaho Power Company
SHPO Comments

Please note that we evaluated as *eligible* seven of the sites evaluated as *not eligible* in the report. These sites include AP97-206, AP97-112, AP97-113, AP97-114, AP97-116, AP97-117, and AP97-203. With the exception of AP97-112 AND AP97-113, these are sites are located near many other similar prehistoric sites and should be evaluated as eligible for listing in a potential archaeological district. The rock walls identified as AP97-112 and AP97-113 should be evaluated in the context of the Barry Ranch or other rock walls or features in the area.

- ▶ The following site is *not eligible*:

Not Eligible

Line 912
AP97-210

- ▶ On page 14 of the report, AP97-201 is listed twice. The second listing should be AP97-204.
- ▶ Site AP97-201 should be included under *Sites Requiring Additional Attention* on page 17.

Line 951 and part of Line 923: *Cultural Resources Survey of IPC Transmission Line 951: Midpoint to Borah; Jerome, Lincoln, Minidoka, Blaine, and Power Counties* by Laurie Mauser, Northwest Archaeological Associates, Inc.

- ▶ We appreciate the quality of the maps provided in the report.

- ▶ Once again, your letter of December 3, 2002, notified us that the ROW for this line, and the area surveyed by Mauser, was 150 feet rather than 40 meters as described in Section B.2. of the archaeological report or 80 feet as described in Table E.4-10 of the License Application. These figures should be corrected in the final license.

Craig A. Jones
Idaho Power Company
SHPO Comments

- ▶ Figure A-8 indicates that previously recorded site 10MA45 is within the APE for this project, but it is not discussed in Section H of the report. According to our records, we evaluated the site as *not eligible* in 1990. After reviewing the site record again, we feel that the site should still be considered *not eligible*. This information should be included in Section H.
- ▶ Figure A-12 inaccurately shows sites 10PR11, 10PR12, and 10PR13 within the APE. According to the site records, these sites are located about 3/4 mile south of this line.
- ▶ We agree that the isolates (IPC-951-9 through IPC-951-27) are *not eligible* for the National Register of Historic Places.
- ▶ We agree that the following sites should be considered *eligible* for the National Register of Historic Places until Idaho Power completes formal evaluations:

Eligible Line 951	
IPC-951-1	IPC-951-6
IPC-951-2	IPC-951-7
IPC-951-3	IPC-951-8
IPC-951-4	Milner Gooding Canal
IPC-951-5	10MA56

- ▶ In Section I. of the report on page 8, it says that eleven sites may be determined eligible for the National Register. This figure should be changed to ten (10).
- ▶ The report needs to be signed.

Appendix 4. Prehistoric and historic sites associated with Boise to Borah transmission-line rights-of-way.

Line No.	Line Name	Prehistoric and Historic Sites			
		Temporary #	Smithsonian #	Eligibility	Prehistoric/Historic
902	Boise Bench to Midpoint #1 – 230 kV	902-1		Potentially Eligible	Prehistoric
		902-2	10EL1489	Potentially Eligible	Historic
		902-3		Not Eligible	Isolate
		902-4		Not Eligible	Isolate
		902-5		Potentially Eligible	Prehistoric
		902-6		Not Eligible	Isolate
		902-7		Not Eligible	Isolate
		902-8		Not Eligible	Isolate
		902-9		Not Eligible	Isolate
		902-10		Not Eligible	Isolate
		902-11		Not Eligible	Isolate
		902-12		Not Eligible	Isolate
		902-13		Not Eligible	Isolate
		902-14		Potentially Eligible	Prehistoric
		902-15		Potentially Eligible	Prehistoric
		902-16	10EL231	Potentially Eligible	Prehistoric
			10EL1575	Potentially Eligible	
			10EL1636	Potentially Eligible	
			10TF136	Potentially Eligible	
906	Boise Bench to Midpoint #2 – 230 kV	AP97-107	10GG677	Eligible	Prehistoric
		AP97-201	10GG678	Eligible	Prehistoric
		AP97-204	10EL1877	Eligible	Prehistoric
		AP97-205	10EL1878	Eligible	Prehistoric
		AP97-206	10EL1879	Eligible	Prehistoric
		AP97-207	10EL1880	Eligible	Prehistoric
		IPCAPIF203	10GG680	Not Eligible	Isolate
		IPCAPIF214	10EL1893	Not Eligible	Isolate
		IPCAPIF215	10EL1894	Not Eligible	Isolate
		IPCAPIF216	10EL1895	Not Eligible	Isolate
912	Boise Bench to Midpoint #3 – 230 kV	AP97-108	10GG109/114	Eligible	Prehistoric
		AP97-109	10EL199	Eligible	Prehistoric/Historic
		AP97-110	10EL1869	Eligible	Prehistoric
		AP97-111	10EL1870	Eligible	Prehistoric
		AP97-112	10EL1871	Eligible	Historic
		AP97-113	10EL555	Eligible	Prehistoric
		AP97-114	10EL1872	Eligible	Prehistoric

Line No.	Line Name	Prehistoric and Historic Sites			
		Temporary #	Smithsonian #	Eligibility	Prehistoric/Historic
		AP97-115	10EL1873	Eligible	Historic
		AP97-116	10EL1874	Eligible	Prehistoric
		AP97-117	10EL1875	Eligible	Prehistoric
		AP97-202	10GG679	Eligible	Prehistoric
		AP97-203	10EL1876	Eligible	Prehistoric
		AP97-208	10EL1881	Eligible	Prehistoric
		AP97-209	10EL1882	Potentially Eligible	Historic
		AP97-210	10EL1883	Not Eligible	Historic
		AP97-211	10AA584	Eligible	Prehistoric
		IPCAPIF101	10JE506	Not Eligible	Isolate
		IPCAPIF104	10LN843	Not Eligible	Isolate
		IPCAPIF115	10EL1884	Not Eligible	Isolate
		IPCAPIF117	10EL1885	Not Eligible	Isolate
		IPCAPIF118	10EL1886	Not Eligible	Isolate
		IPCAPIF119	10EL1887	Not Eligible	Isolate
		IPCAPIF121	10EL1888	Not Eligible	Isolate
		IPCAPIF122	10EL1889	Not Eligible	Isolate
		IPCAPIF123	10EL1890	Not Eligible	Isolate
		IPCAPIF124	10EL1891	Not Eligible	Isolate
		IPCAPIF125	10EL1892	Not Eligible	Isolate
		IPCAPIF206	10GG681	Not Eligible	Isolate
		IPCAPIF207	10GG507	Not Eligible	Isolate
		IPCAPIF209	10GG682	Not Eligible	Isolate
		IPCAPIF210	10GG683	Not Eligible	Isolate
		IPCAPIF211	10GG684	Not Eligible	Isolate
		IPCAPIF212	10GG685	Not Eligible	Isolate
		IPCAPIF218	10EL1896	Not Eligible	Isolate
			10EL832	Potentially Eligible	
			10EL896	Potentially Eligible	
			10EL898	Eligible	
			10GG76	Potentially Eligible	Prehistoric
			10LN939	Eligible	
950	Midpoint to Brady #1– 345 kV	IPC-950-01		Eligible	Prehistoric
		IPC-950-02		Eligible	Prehistoric
		IPC-950-03		Not Eligible	Isolate
		IPC-950-04		Not Eligible	Isolate
		IPC-950-05		Not Eligible	Isolate
		IPC-950-06		Not Eligible	Isolate
		IPC-950-07		Not Eligible	Isolate

Line No.	Line Name	Prehistoric and Historic Sites			
		Temporary #	Smithsonian #	Eligibility	Prehistoric/Historic
		IPC-950-08		Not Eligible	Isolate
		IPC-950-09		Not Eligible	Isolate
		IPC-950-10		Not Eligible	Isolate
		IPC-950-11		Not Eligible	Isolate
		IPC-950-12		Not Eligible	Isolate
		IPC-950-13		Eligible	Prehistoric
		IPC-950-14		Not Eligible	Isolate
		IPC-950-15		Not Eligible	Isolate
		IPC-950-16		Not Eligible	Isolate
		IPC-950-17		Not Eligible	Isolate
		IPC-950-18		Not Eligible	Isolate
		IPC-950-19	10LN12	Eligible	Prehistoric/Historic
		IPC-950-20	10LN62	Eligible	Prehistoric
		IPC-950-21		Not Eligible	Isolate
		IPC-950-23		Not Eligible	Historic
		IPC-950-24		Eligible	Prehistoric/Historic
		IPC-950-25		Not Eligible	Historic
		IPC-950-26		Not Eligible	Isolate
		IPC-950-27		Not Eligible	Isolate
		IPC-950-28		Eligible	Prehistoric/Historic
		IPC-950-29		Not Eligible	Historic
		IPC-950-30		Not Eligible	Isolate
		IPC-950-31		Not Eligible	Isolate
		IPC-950-32		Not Eligible	Isolate
		IPC-950-33		Not Eligible	Isolate
		IPC-950-34		Not Eligible	Isolate
		IPC-950-35		Not Eligible	Isolate
		IPC-950-36		Not Eligible	Isolate
		IPC-950-37		Not Eligible	Isolate
		IPC-950-38		Not Eligible	Isolate
		IPC-950-39		Not Eligible	Isolate
			10JE199	Eligible	Prehistoric
			10LN759	Not Eligible	Isolate
			Milner-Gooding Canal	Eligible	Historic
951	Midpoint to Borah #2 – 345 kV	IPC-951-01	10JE500	Eligible	Historic
		IPC-951-02	10BN1134	Eligible	Prehistoric
		IPC-951-03	10BN1135	Eligible	Prehistoric
		IPC-951-04	10PR789	Eligible	Prehistoric

Line No.	Line Name	Prehistoric and Historic Sites			
		Temporary #	Smithsonian #	Eligibility	Prehistoric/Historic
		IPC-951-05	10PR790	Eligible	Prehistoric
		IPC-951-06	10PR791	Eligible	Prehistoric
		IPC-951-07	10PR792	Eligible	Prehistoric
		IPC-951-08	10PR793	Eligible	Prehistoric
		IPC-951-09	10JE501	Not Eligible	Isolate
		IPC-951-10	10JE502	Not Eligible	Isolate
		IPC-951-11	10JE503	Not Eligible	Isolate
		IPC-951-12	10JE504	Not Eligible	Isolate
		IPC-951-13	10JE505	Not Eligible	Isolate
		IPC-951-14	10BN1136	Not Eligible	Isolate
		IPC-951-15	10BN1137	Not Eligible	Isolate
		IPC-951-16	10BN1138	Not Eligible	Isolate
		IPC-951-17	10PR794	Not Eligible	Isolate
		IPC-951-18	10PR795	Not Eligible	Isolate
		IPC-951-19	10PR796	Not Eligible	Isolate
		IPC-951-20	10PR797	Not Eligible	Isolate
		IPC-951-21	10PR798	Not Eligible	Isolate
		IPC-951-22	10PR799	Not Eligible	Isolate
		IPC-951-23	10PR800	Not Eligible	Isolate
		IPC-951-24	10MA180	Not Eligible	Isolate
		IPC-951-25	10MA181	Not Eligible	Isolate
		IPC-951-26	10MA182	Not Eligible	Isolate
		IPC-951-27	10MA183	Not Eligible	Isolate
			10MA45	Not Eligible	Prehistoric
			10MA56	Eligible	Historic
			Milner-Gooding Canal	Eligible	Historic