Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

April 15, 1994

Ms. Mary M. Thompson
State Historic Preservation Officer
Office of Archaeology and Historic Preservation
Department of Community Development
111 West Twenty-first Avenue, KL-11
Olympia, Washington 98504-5411

Dear Ms. Thompson:

CHANGE IN SCOPE: ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) - NO KNOWN HISTORIC PROPERTIES

Since your concurrence with our January 24, 1994, findings on February 4, 1994, the scope of the above mentioned proposed project has been modified. In response to a cultural resources review for a topographic survey of the proposed area it was noted that the sites boundaries had been expanded. The U.S. Department of Energy, Richland Operations Office (RL) Cultural Resources Laboratory has completed surveying the additional area. In accordance with 36 CFR 800.4, RL has made a good faith effort to identify historic properties at this proposed location and to evaluate the eligibility of these properties to the Register. A literature and records review and a survey have indicated that no historic properties eligible for the Register will be affected by these undertakings.

If any archaeological or additional historical resources are discovered during project activities, work will be halted and your office consulted immediately. If the scope of the proposed undertakings are revised, your office will also notified immediately. Therefore, in accordance with 36 CFR 800.4(d), we are providing documentation supporting these findings to your office.

Your signature below will acknowledge receipt of our notification. Please return a signed copy for our files. If you have any questions or are in need of additional information I can be contacted at (509) 376-6354.

Sincerely,

for Charles R. Pasternak, Manager
Cultural Resources Program
Site Infrastructure Division

SID:CRP

Office of Archaeology
and Historic Preservation

Enclosure: HCRC #94-600-032

cc w/o encl:
P. Nickens, PNL
D. Harvey, PNL file
M. Wright, PNL
R. Phillips, PNL
R. Engelmann, WHC
J. Van Pelt, CTUIR, w/encl.

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

FEB 27 2002

02-RCA-0201

Dr. Allyson Brooks
Office of Archaeology and
Historic Preservation
P. O. Box 48343
Olympia, Washington 95804

Dear Dr. Brooks:

THREE CULTURAL RESOURCE REVIEWS FOR HANFORD SITE SOLID WASTE DRAFT ENVIRONMENTAL IMPACT STATEMENT (EIS): 1) USE OF AREA C, HCRC# 2002-600-012; 2) EXPANSION OF THE CENTRAL WASTE COMPLEX, HCRC# 2002-600-012A; and 3) RAIL SPUR TO THE WASTE RECEIVING AND PROCESSING (WRAP) FACILITY, HCRC# 2002-600-12B

Enclosed are three cultural resource reviews completed by the U.S. Department of Energy, Richland Operations Office (RL). These cultural resource reviews are in support of the Hanford Site Solid Waste EIS analysis. The subject projects are located in the 200 West Area and 600 Area of the Hanford Site, Richland, Washington. The results of the records and literature review conducted by staff at the Hanford Cultural Resources Laboratory (HCRL) are described in the attached cultural resource reviews. The results of the reviews indicate the following:

1. USE OF AREA C, HCRC# 2002-600-012 (Enclosure 1)
   Based on the information collected by the field reconnaissance and research, this project may affect historic properties. HCRL is unable to make a final determination of finding for the purposes of compliance with 36CFR 800 until additional work is completed. This area is adjacent to, but not included in, the Hanford Reach National Monument.

2. EXPANSION OF THE CENTRAL WASTE COMPLEX, HCRC# 2002-600-012A (Enclosure 2)
   Based on the information collected during the records and literature search, the expansion of the Central Waste Complex for the Hanford Site Solid Waste Program will have no affect on historic properties.

3. RAIL SPUR TO THE WRAP FACILITY, HCRC# 2002-600-12B (Enclosure 3)
   Based on the information collected during the records and literature search and the cultural resources survey, that there are no historic properties located within the Area of Potential Effect. This project will have no effect to historic properties.

Pursuant to 36CFR 800.2 (4) we are providing documentation to support these findings and to involve your office as a consulting party in the National Historic Preservation Act, Section 106, Review process. If you have any questions or are in need of additional information, please contact Annabelle Rodriguez, of my staff, on (509) 372-0277 within 30 days of the date of this letter.

Sincerely,

Joel Hebdon

Joel Hebdon, Director
Regulatory Compliance and Analysis Division

RCA:ALR

Enclosures

cc:w/encls:
A. Fyall, Benton County
J. Gaston, USFWS
C. Hulse, EBCHS
A. Heriford, HWBP
J. Sonderman, FCHS
P. Vinther, HRA
G. Weisskoph, BRMA

cc w/o encls:
E. L. Prendergast, PNNL
K. Rhoads, PNNL

This letter, cultural resource review and historic inventory forms have been sent to the following individuals:

Washington State Historic Preservation Officer
Dr. Allyson Brooks

Confederated Tribes of the Umatilla Indian Reservation
Jeff Van Pelt
Armand Minthorn
J. Longenecker (Richland Office)

Confederated Tribes and Bands of the Yakama Nation
Russell Jim

Confederated Tribes of the Colville Reservation
Adeline Fredin

Nez Perce Tribe
Lenora Seelatsee
Rex Buck, Jr.

U.S. Fish and Wildlife Service
Jenna Gaston

B Reactor Museum Association
Gene Weisskoph

Benton County
Adam Fyall

East Benton County Historical Society
Corene Hulse

Franklin County Historical Society
Jaqui Sonderman

Hanford Retirees Association
Paul Vinther

Hanford White Bluffs Pioneers
Annette Heriford

STATE OF WASHINGTON

OFFICE OF COMMUNITY DEVELOPMENT

Office of Archaeology and Historic Preservation

1063 S. Capitol Way, Suite 106 • PO Box 48343 • Olympia, Washington 98504-8343 • (360) 586-3065 Fax Number (360) 586-3067 • http://www.oahp.wa.gov

March 6, 2002

Mr. Joel Hebdon
Regulatory Compliance & Analysis Division
Richland Operations Office
Department of Energy
PO Box 550
Richland, WA 99352

Re: Solid Waste DEIS
Log No.: 030502-14-DOE
Code: HCRC # 2002-600-012/2002-600-012A/2002-600-012B

Dear Mr. Hebdon;

Thank you for providing a copy of the cultural resources survey assessment of the proposed Site Waste DEIS analysis in the 200 West Area and 600 Area of the Hanford Site. We concur with their professional recommendations and your finding that no cultural resources are in the identified impact area as of this date. We concur with the recommendation that further survey efforts be undertaken in Area C and we look forward to receiving these reports when available.

We would appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).

These comments are based on the information available at the time of this review and on the behalf of the State Historic Preservation Officer in conformance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations 36CFR800. Should additional information become available, our assessment may be revised. In the event that archaeological or historic materials are discovered during project activities, work in the immediate vicinity should be discontinued, the area secured, and this office notified.

Thank you for the opportunity to comment and a copy of these comments should be included in subsequent environmental documents.

Sincerely,

Robert G. Whitlam, Ph.D.
State Archaeologist
(360) 586-3080
email: robw@cted.wa.gov

RECEIVED

MAR 1 2 2002
DOE RL / CCC

STATE OF WASHINGTON

OFFICE OF COMMUNITY DEVELOPMENT

Office of Archaeology and Historic Preservation

1063 S. Capitol Way, Suite 106 • PO Box 48343 • Olympia, Washington 98504-8343 • (360) 586-3064
Fax Number (360) 586-3067 • http://www.oahp.wa.gov

January 31, 2002

Ms. Ellen Prendergast
Cultural and Historic Resources Program
Richland Operations Office
PO Box 550
Richland, WA 99352

Log No.: 013102-10-DOE
Re: Solid Waste EIS Area C
HCRC # 2002-600-012

Dear Ms. Prendergast;

We have reviewed the materials forwarded to our office for the above referenced project concerning the proposed evaluation of Area C as a potential source of fine textured materials for the construction of graded surface barriers over waste sites at the Hanford Site. We concur with your determination of the Area of Potential Effect as illustrated in the attached figures. We look forward to receiving the results of your review and on-site surveys.

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in compliance with the Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations 36CFR800.4. Should additional information become available, our assessment may be revised, including information regarding historic properties that have not yet been identified. We would also appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer. Should additional information become available, our assessment may be revised. Thank you for the opportunity to comment and we look forward to receiving the reports on the results of your investigations.

Sincerely,

Robert G. Whitlam, Ph.D.
State Archaeologist
(360) 586-3080
email: robw@cted.wa.gov

Pacific Northwest
National Laboratory
Operated by Battelle for the
U.S. Department of Energy

February 11, 2002

Preliminary Findings

Mr. Kent McDonald
Fluor Hanford, MSIN H8-44
Richland, Washington 99352

CULTURAL RESOURCES REVIEW FOR SOLID WASTE EIS, AREA C (HCRC#2002-600-012)

Dear Mr. McDonald,

In response to your request received January 25, 2002, staff of the Hanford Cultural Resources Laboratory (HCRL) conducted a cultural resources review of the subject project located in the 600 Area of the Hanford Site, Richland, Washington. As part of the U.S. Department of Energy's (DOE) ongoing efforts to provide for the safe and effective long-term storage of solid waste at Hanford, an area (Area C) measuring 2289 acres is being evaluated as a potential source of fine textured material (silt, loam and basalt) for the construction of graded surface barriers (caps) over waste sites. This project area is located adjacent to the south side of Highway 240 and is centered on the intersection of Beloit Avenue and Highway 240. This area is identified for possible borrow use in the Hanford Site Comprehensive Land Use Plan EIS (DOE 1999).

1. Background

This cultural resources review request is part of the larger Solid Waste project being conducted at the Hanford Site. A Draft Environmental Impact Statement (DEIS) is being prepared and will be available for public comment. As part of that effort, the Hanford Cultural Resources Laboratory has been asked to initiate the NHPA Section 106 process for this third part of that project. The other two parts are comprised of the Expansion of the Central Waste Complex (HCRC# 2002-600-012A) and Rail Spur to the WRAP Facility in 200 West Area (HCRC# 2002-600-012B).

2. Notifications and Public Involvement

On January 30, 2002:

- Per 36 CFR 800, the State Historic Preservation Officer (SHPO), tribes and interested parties were notified of this cultural resources review request and the Area of Potential Effect (APE). The APE is defined as the project area delineated in the attached map.
- Per 34 Stat. 225, 16 U.S.C. 431, the United States Fish and Wildlife Service (USFWS) were notified of this request for cultural resource review.

3. Results of the Identification of Historic Properties Survey (Literature and Records Review)

Previous Work

A records and literature search conducted by HCRL staff during the week of February 4, 2002, revealed that some of the project area has been surveyed for cultural resources. In 1994, a cultural resources survey was conducted in the northwestern portion of the project area (Bard et. al. 1994) (please see attached map for the location of this survey). Three isolated finds were recorded in the project area and are listed in the table on the next page.

902 Battelle Boulevard • P.O. Box 999 • Richland, WA 99352

Telephone (509) 376-4626 ▪ Email ellen.prendergast@pnl.gov ▪ Fax (509) 376-2210

ISOLATE NUMBER	DESCRIPTION
HI-94-032	Two white CCS flakes
HI-94-036	A historic "fence jack" – a rock pile with remains of a split rail
HI-94-037	A large historic riveted metal collared cylinder

In 1999, a cultural resources survey was conducted by HCRL approximately 3 miles northwest of the project area in the Rattlesnake Springs Archaeological District (HCRC# 99-600-001). David Rice recorded this district in 1968 and later it was listed in the National Register of Historic Places (National Register) in 1974. Sites recorded in the district and by the survey include the White Bluffs Road (3-121), which is also listed in the National Register. The road was an important Indian and Euro-American road from Yakima to the town of White Bluffs on the Columbia River and indicates that the Rattlesnake Springs area was a cross road for Native American prehistoric and ethnographic peoples as well as early Euro-American settlers in the region (Hale 1999).

Research Initiatives and Field Reconnaissance

Although additional work will need to be conducted for the project area prior to excavation, for the purposes of the DEIS, HCRL staff conducted a variety of research initiatives to assess the potential cultural resource impacts that the project may have. These activities are documented in the project files and are summarized below:

- Historical Research – Historic maps, land records, and local histories were reviewed. Former residents of the Hanford area were also contacted to see if they could recall historic activity in the area. Results indicated that portions of Area C were used for grazing and ranching. The Ellensburg to Yakima River Road that dates at least to 1881 traversed the project area east to west, which probably was also used as an Indian trail prior to Euro-American settlement. Benson Ranch located west of the project area is an unrecorded archaeological site which shows up on the 1915 Topographic maps. The 1943 Real Estate maps depict a road connecting Cold Creek Valley with the City of Richland. This road appears to traverse adjacent to Dry Creek.
- Photogrammetry – Aerial photographs from recent decades were analyzed to determine if historic roads still existed and to see if any additional historic activity could be located. The analysis confirmed the location of roads along with various probable cultural features; however, no major sites such as farmsteads or military encampments were observed.
- Ethnographic Research – From previous ethnographic interviews with local Native Americans, we know that ethnohistorically the area was important as a travel route between Rattlesnake Springs and the Yakima River. We also know that the area lies in close proximity to at least two places considered culturally important by local tribes: Rattlesnake Mountain and Goose Egg Hill. Additional interviews will be conducted to better understand the potential that the project could have on religious activities or traditional use areas once the DEIS is released for comment.
- Archaeological Research – Previous archaeological work in the area, limited to the only one small survey (Bard 1994), identified minimal presence of archaeological remains. To gain additional perspective on the likelihood that significant archaeological remains are located in the area, staff conducted two efforts, use of an archaeological predictive model and field reconnaissance of high potential areas identified by the predictive model. The predictive model, recently developed for Hanford, was examined to evaluate the potential of the project area to contain prehistoric sites. The model indicated that the areas located along the dry beds of Cold Creek and Dry Creek would have a moderately high chance of containing

archaeological sites. Four staff members conducted a field reconnaissance principally along the creeks, their tributaries, and also along the old road. One tan CCS flake was geo-referenced and is identified in the attached map. Numerous rusted cans and barbwire were also observed.

4. Findings and Actions Required

It is the finding of HCRL that based on the information collected by the field reconnaissance and research, this project may affect historic properties. HCRL is unable to make a final determination of finding for the purposes of compliance with 36CFR 800 until more work is completed. However, we can provide the following preliminary assessment and recommendations:

Preliminary Findings
Historic use of Area C seems to have been centered on sheep and cattle grazing, and travel. Farmsteads (i.e. Benson Ranch) have been identified west of the project area where irrigated water allowed for the cultivation of alfalfa. Ethnohistoric Native American use appears to have been limited to travel. Native American use prior to Euro American contact and extending back as far as 10,000 years probably occurred.

In terms of cultural resource impacts that the Area C excavation may have on Native American spirituality, we do not understand the potential relationships between the project area and Rattlesnake Mountain or Goose Egg Hill well enough to offer an opinion. Those comments will have to come directly from Native Americans during the EIS review process. Since the project area is within the APE of the viewshed from Rattlesnake, we can say that the project may have an indirect effect to the characteristics that contribute to the cultural and religious significance of Rattlesnake Mountain to local tribes. There is a reasonable probability that sites are located within the project boundaries. Any sites, however, are likely to be buried, as the field reconnaissance failed to locate any on the surface. As little is known about the pre-contact use of the Cold Creek Valley, any sites located there would provide an opportunity to gain new knowledge about past life (Criterion D, NHPA). Further, if campsites or village sites are located there, human remains and possible cemeteries may also be located there.

Actions Required
Prior to construction, additional work will be needed to address potential cultural impacts. At a minimum, a standard pedestrian archaeological survey will be needed. Given the likelihood for buried deposits, some methodology will be needed to observe the subsurface. Shovel testing or backhoe testing might be appropriate, as might construction monitoring for cultural resources. Before deciding about further work required, we recommend waiting for cultural resource-related input from Native Americans and other interested parties that will be collected during the DEIS review.

RL's Hanford Cultural Resources Program will submit official documentation of our findings to the SHPO and consulting parties. The SHPO will respond within 30 days of receipt of this letter. No project activities can begin until the SHPO has concurred with our findings stated above.

The workers must be directed to watch for cultural materials (e.g., historic artifacts) during all work activities. If any are encountered, work in the vicinity of the discovery must stop until an HCRL staff member has been notified to assess the significance of the find, and, if necessary, arrange for mitigation of the impacts to the find. HCRL must be notified if any changes to project location or scope are anticipated. This project is a Class 5 case, defined as projects that "Involve Undisturbed Ground." If you have any questions, please call me at 376-4626. Please use the HCRC# above for any future.

Very truly yours,

Ellen Prendergast, M. A.
Research Scientist/Anthropologist
Cultural Resources Project

Concurrence: _____
D. C. Stapp, Project Manager
Cultural Resources Project

Review and Concurrence: _____
A. L. Rodriguez
DOE, Richland Operations Office, Hanford Cultural Resources Program

cc: A. L. Rodriguez, A5-58 (2)
Environmental Portal, A3-01
K.R. Welsch, N1-25
File/LB

References

Bard, JC, Robin McClintock, and JB Cox. 1994. "A Cultural Resources Inventory of Proposed Basalt Quarry Sites at the Department of Energy's Hanford Site, Benton County, Washington." CH2M Hill, Inc. Richland, Washington.

Hale, LL. 1999 "Cultural Resources Report Narrative- The Rattlesnake Springs Survey (HCRC#99-600-001)." Prepared for the U. S. Department of Energy, Richland Operations Office, Richland, Washington.

Rice, D.G. 1968. "Archaeological Reconnaissance: Hanford Atomic Works." Washington State University. Pullman, Washington.

RL-665 (10/00)

REQUEST FOR CULTURAL AND/OR ECOLOGICAL RESOURCES REVIEW FOR THE HANFORD SITE

Review Tracking Number: 2002- 600-012

ERC Projects (BHI, CH2M Hill)

Direct Form and Cultural Resource Questions To:
Tom Marceau
Phone 372-9289 Fax 372-9654 MSIN H0-23

Direct Form and Ecological Resource Questions To:
Ken Gano
Phone 372-9316 Fax 372-9654 MSIN H0-23

All Other Hanford Projects (PHMC, PNNL, Other)

Direct All Forms and Cultural Resource Questions To:
Ellen Prendergast
Phone 376-4626 Fax 373-2958 MSIN K6-75

Direct Ecological Resource Questions To:
Mike Sackschewsky
Phone 376-2554 Fax 372-3515 MSIN K6-85

Date Sent: 1/25/02 **Date Findings Requested By:** 2/15/02

Primary Contact: Kent McDonald Company/Organization: Fluor Hanford
E:mail: kent_m_mcdonald@rl.gov
Telephone: 373-4981 Fax: 372-1441 MSIN: H8-44

Secondary Contact: Ken Hladek Company/Organization: Fluor Hanford
Telephone: 372-3201 Fax: 372-1441 MSIN: H8-44

Project Name: Solid Waste Environmental Impact Statenent
Project Number/COA:
RL Project Manager: Michael Collins

REQUESTOR SHOULD SUBMIT A COPY OF THIS REQUEST TO THE RL PROJECT MANAGER UNDER WHOM THEIR PROJECT FALLS WITHIN 5 DAYS.

Project Description, including Time Period over which proposed action will occur:

Remove silt/loam and/or larger material to be used in constructing closure covers/caps for the Low-Level Burial Grounds. Material removal would likely occur sometime after 2030.

Project Dimensions:

Area C is a large polygonal area located adjacent to the south side of Highway 240 and is centered approximately on the intersection of Beloit Avenue and Highway 240 and is approximately 368 ha (909 ac). Although this area is on the ALE side of Highway 240, it is clearly identified as a possible borrow use area in the Hanford Site comprehensive land-use plan environmental impact statement. Based upon an assumed average thickness of 1.8 m, the volume of material present is 6.6 million cubic meters.

Depth of Excavation(s): Minimum 2 m. May excavate to depth of silt/loam as yet undetermined.

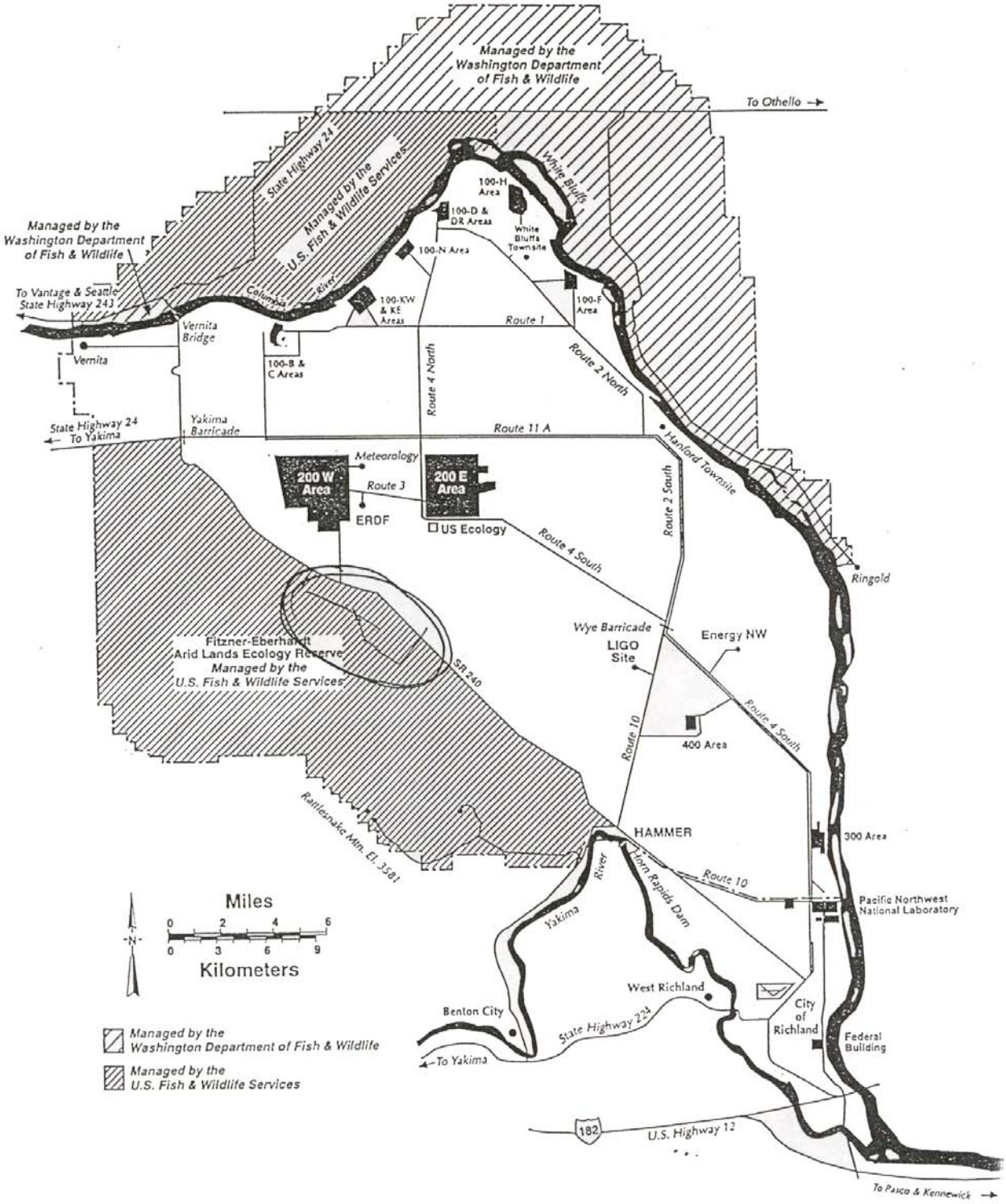
Project Location:

☐ 100 Area ☐ 200 East Area ☐ 200 West Area ☐ 300 Area ☐ 400 Area
☐ 600 Area ☐ 700 Area ☒ Other: Area C conservation/mining

Township _____ N, Range _____ E UTM: Easting: _____ Northing: _____

Please also provide the following:
1. Overview map showing project location (or other suitable map to assist in finding the project site)
2. Map or scale drawing showing all excavation areas (including water, sewer, and power lines, etc.), parking, topsoil storage areas, equipment staging areas, access roads, and utility corridors.

Submitted By: K.M McDonald Telephone: 373-4981



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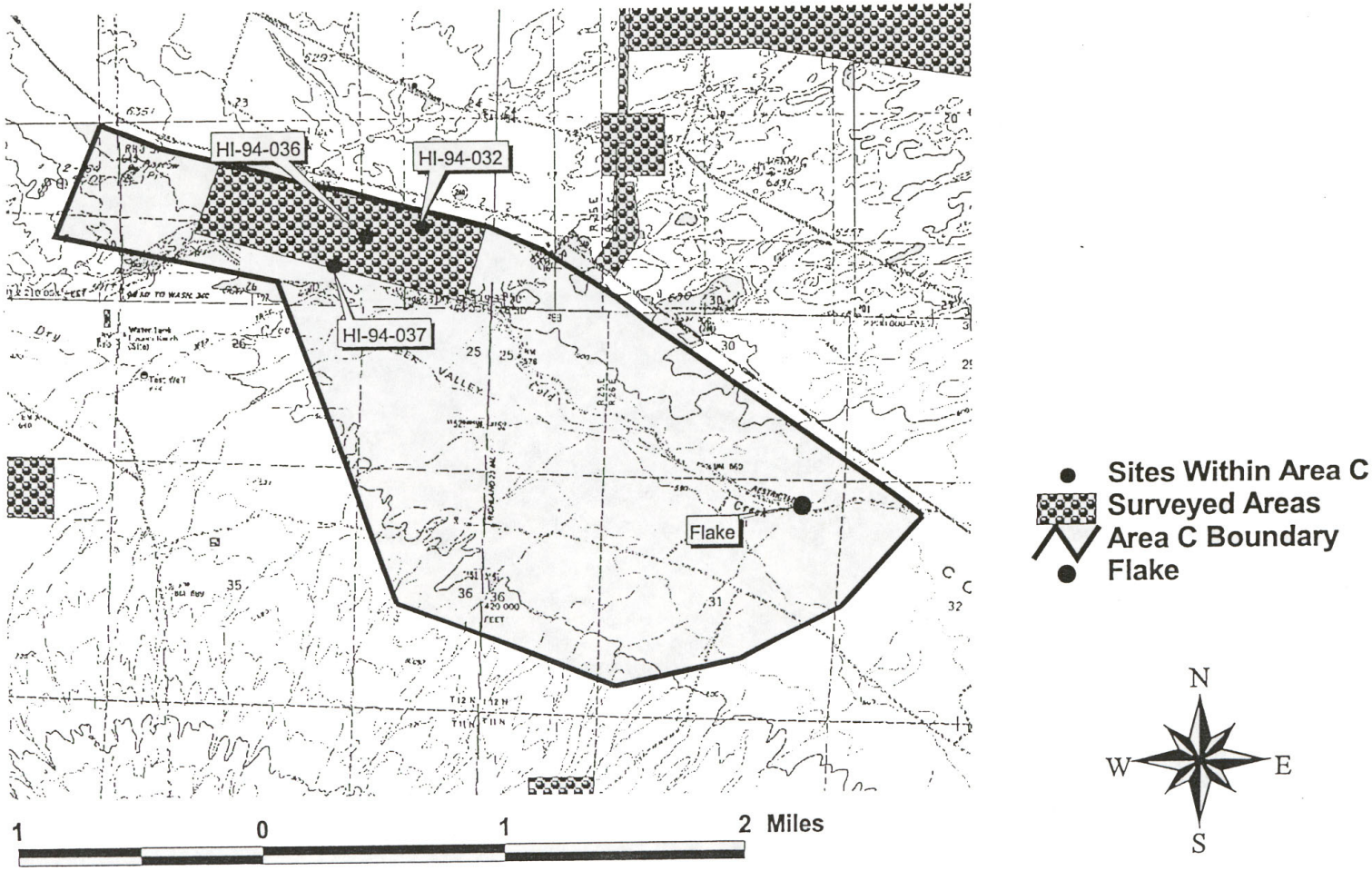
Hanford Site
U.S. Department of Energy

HCRC 2002-600-012