

NEPA REVIEW SCREENING FORM (NRSF) 3A
Categorically Excluded Actions

Document ID #:
DOE/CX-00208

I. Project Title:

Modification of Hanford Patrol Training Academy Running Track and Ranges 2, 5, and 10

II. Describe the proposed action, including location, time period over which proposed action will occur, project dimension (e.g., acres displaced/disturbed, excavation length/depth), and area/location/number of buildings. Attach narratives, maps and drawings of proposed action. Describe existing environmental conditions and potential for environmental impacts from the proposed action. If the proposed action is not a project, describe the action or plan.

The U.S. Department of Energy (DOE), Richland Operations Office (RL), Security, Emergency Services & Information Division proposes to modify support structures at the Patrol Training Academy (PTA), which is located directly north of the Hazardous Materials Management and Emergency Response (HAMMER) Federal Training Center. The purpose of the proposal is to improve tactical training capabilities, provide better access control, enhance new hire testing and fitness assessments, and reduce the potential for training related injuries. Modifications would be contiguous to an already developed area, where active utilities and currently used roads are readily accessible. The existing PTA Running Track and Ranges 2, 5, and 10 would be modified, as follows (see Figure 1):

Running Track - A portion of the infield would be graded and revegetated with grass turf. A strip of gravel approximately 4-6 feet wide would be placed along the inner oval of the track for soil stabilization and erosion control. A sprinkler system would be installed to irrigate the grass turf. A trench approximately 2 feet wide by 4 feet deep by 200 feet long would be excavated in previously disturbed and developed areas to access and tie into existing electrical and water utilities. A concrete pad approximately 40 feet by 60 feet would be constructed at the east end of the grass turf, within the infield.

Range 2 - The existing soil berm would be expanded to the north approximately 540 feet by 510 feet. Concrete walkways would be constructed across the expanded area at approximately 150 feet and 300 feet. Lighting similar to Range 5 would be provided by excavating a 2 feet wide by 4 feet deep by 1400 feet long trench to tie into an existing electrical utility line south of the range.

Range 5 - Approximately 615 feet of metal chain link fencing, concrete jersey barriers, or plastic barriers would be installed at the south end of the range. Metal chain link fencing would include an access gate.

Range 10 - A gravel pad approximately 200 feet by 150 feet would be installed in the northeastern section of the range to stabilize the surface soil. The gravel would be placed on the soil surface and no excavation would be required. The gravel pad would be enclosed using concrete jersey barriers or plastic barriers. A concrete pad approximately 203 feet by 138 feet would be installed in the northeast corner of the range with up to six grain silos erected on the pad. Concrete jersey barriers or plastic barriers would be installed in areas on the northwest and southeast sides of the range. Up to fifteen conex boxes, prefabricated with doors and windows, would be placed within the range. A stacked barrier structure would be constructed near the southeast corner of the range, adjacent to existing conex boxes and plywood structures.

The project area would be approximately 16.7 acres and access would be provided by existing roads or other previously disturbed areas. Material staging and stockpiling would occur within previously disturbed and developed areas.

Ecological Resources Review. DOE-RL Ecological Monitoring and Environmental Surveillance (EM&ES) surveyed the project area on August 9, 2019. The Hanford Site Biological Resource Management Plan (BRMP, DOE/RL-96-32 Revision 2), which provides requirements for protecting ecological resources on the Hanford Site, ranks wildlife species and habitats based on levels of concern (Levels 0-5) including compensatory mitigation measures.

The Range 2 expansion area contains 2.15 acres of BRMP Level 3 habitat, which is classified as a native climax shrub overstory with an understory of cheatgrass co-dominant with native grasses. Several bird species were observed with signs of reptiles in sandy areas. The management goal for BRMP Level 3 habitats is conservation and the preferred action is avoidance and/or minimization. Compensatory mitigation at a replacement ratio of 3:1 would be required for impacts to BRMP Level 3 habitats that exceed 1.2 acres. A total of 6.45 acres of compensatory mitigation would be required. EM&ES would develop a project-specific mitigation plan prior to initiation of project activities.

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Project activities on the PTA Running Track, Range 5, and Range 10 would occur in BRMP Level 0 and Level 1 habitats. These habitats are associated with previously disturbed areas and include areas dominated by cheatgrass (Level 1) and non-vegetated areas with paved or compacted gravel surfaces (Level 0), which provide little or no ecological value. There would be no mitigation requirements in these areas beyond regulatory compliance.

Birds can nest within the project area on the ground, buildings, or equipment and the nesting season is typically from mid-March to mid-July. If any nesting birds are encountered or suspected, or bird defensive behaviors are observed within the project area, then project management would contact EM&ES to evaluate the situation.

Several active burrowing owl nests are located near the project area (see Figure 2). Burrowing owls are Washington State candidates for listing as threatened or endangered species and are considered BRMP Level 3 resources. All project activities within 330 feet of active burrows would be evaluated by EM&ES to avoid adverse impacts to nesting owls. Project management would contact EM&ES not less than 2 weeks prior to conducting work. If adverse impacts were anticipated, then work would be delayed until the chicks have fledged. Compensatory mitigation would include installation of artificial burrows, if determined necessary by EM&ES.

All vegetation clearing within the BRMP Level 3 habitat during the nesting season would require a bird survey at least 7 days prior to land disturbance. All land areas disturbed by the project that are not needed for continued project use, access, or safety considerations would be replanted using locally derived, native plant species. The Hanford Site Revegetation Manual (DOE/RL-2011-116, Revision 1) provides guidance regarding species mix, planting rates, and planting methods. No adverse impacts to ecological resources are anticipated.

Cultural Resources Review. DOE-RL Cultural and Historic Resources Program (CHRP) performed two cultural resource clearances for the proposed project. One addressed upgrades to the Running Track, Range 5, and a portion of Range 10 (MSA-1902933). The other addressed upgrades to Range 2 and the remaining portion of Range 10 (MSA-1904110).

CHRP conducted a cultural resources assessment for proposed upgrades to the Running Track, Range 5, and a portion of Range 10 on July 15, 2019. CHRP determined that all National Historic Preservation Act (NHPA) Section 106 requirements for this undertaking have been previously met as documented in "Cultural Resources Review for Improvements at the Patrol Training Academy, 600 Area, Hanford Site, Benton County, Washington (HCRC#2009-600-030)" and in "Cultural Resources Review for Routine Maintenance and Minor Facility Upgrades at the Patrol Training Academy in the 600 Area of the Hanford Site, Benton County, Washington (HCRC#2013-600-013)." CHRP approved the cultural resources review (CRR) for HCRC#2009-600-030 on June 3, 2010 and CRR for HCRC#2013-600-013 on August 26, 2013.

Project scope reviewed under HCRC#2009-600-030 applies to the installation of gravel pads and the "Area of Potential Effects" (APE) overlaps the location proposed for gravel pad installation at Range 2. Project scope reviewed under HCRC#2013-600-013 applies to the installation and maintenance of landscape features, irrigation systems, fencing, gates, light posts, and utility lines within previously disturbed or developed areas (see Figure 3).

CHRP conducted a CRR for PTA Range 2 and the remaining portion of Range 10 (see Figure 4). CHRP sent an APE notification to the Washington State Historic Preservation Office (SHPO) and regional Native American Tribes on July 23, 2019. CHRP conducted a cultural resources survey on August 9, 2019. No cultural resources were identified within the APE. CHRP transmitted a CRR, with a Finding of No Historic Properties Affected, to the SHPO and regional Native American Tribes for a 30-day comment period on August 15, 2019. The SHPO concurred with the findings of the CRR on August 15, 2019. CHRP provided a notice of compliance with Section 106 of the NHPA for this project on September 23, 2019.

CHRP anticipates no adverse impacts to cultural resources. Project management would direct workers to watch for cultural material (mussel shell, bone, stone artifacts, burned rocks, charcoal, cans, and bottles) during construction activities. If cultural materials were encountered, then work near the discovery would stop until a CHRP archaeologist has been contacted, the significance of the find assessed, appropriate Native American Tribes notified, and if necessary, arrangements made for mitigation of the find.

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Conclusion. The proposed project is addressed by 10 CFR 1021, Subpart D, Appendix B, Categorical Exclusion B1.15, "Support Buildings." Any changes to the proposed project would require DOE-RL NEPA Compliance Officer review and approval.

III. Existing Evaluations (Provide with NRSF to DOE NCO):

Ecological Review Report No. and Title:

MSA-1904381, A.L. Johnson (Mission Support Alliance Ecological Monitoring and Compliance) to E.S. Pennala (Mission Support Alliance Environmental Compliance/Sustainability), "Ecological Clearance for Expansion of Range 2 and Facility Upgrades to Hanford Patrol Training Academy's Running Track and Ranges 5 and 10 within the 600 Area of the Hanford Site (ECR-2020-601)," dated October 16, 2019.

Cultural Review Report No. and Title:

MSA-1902933, A.P. Fergusson (Mission Support Alliance Cultural & Historic Resources Protection) to E.S. Pennala (Mission Support Alliance Environmental Compliance/Sustainability), "Cultural Resource Clearance for Facility Upgrades to Hanford Patrol Training Academy's Running Track and Ranges 5 and 10 within the 600 Area of the Hanford Site, Benton County, Washington (HCRC#2009-600-030 & HCRC#2013-600-013)," dated July 22, 2019

MSA-1904110, A.P. Fergusson (Mission Support Alliance Cultural & Historic Resources Protection) to E.S. Pennala (Mission Support Alliance Environmental Compliance/Sustainability), "Cultural Resource Clearance for Expansion of Range 2 and Upgrades to Range 10 at the Hanford Patrol Training Academy in the 600 Area of the Hanford Site, Benton County, Washington (HCRC#2019-600-009)," dated September 30, 2019.

Maps:

N/A

Other Attachments:

- Figure 1. Proposed Modifications at the Patrol Training Academy Running Track and Ranges 2, 5, and 10
- Figure 2. Ecological Resources within the Project Area
- Figure 3. Area of Potential Effects Evaluated under Previous Cultural Resource Reviews
- Figure 4. Area of Potential Effects for Range 2 Expansion and Remaining Range 10 Upgrades

IV. List applicable CX(s) from Appendix B to Subpart D of 10 CFR 1021:

B1.15, "Support Buildings"

V. Integral Elements and Extraordinary Circumstances (See 10 CFR 1021, Subpart D, B. Conditions that are Integral Elements of the Class of Actions in Appendix B; and 10 CFR 1021.410(b)(2) under Application of Categorical Exclusions)	Yes	No
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Are there extraordinary circumstances that may affect the significance of the environmental effects of the proposed action? If yes, describe them.	<input type="radio"/>	<input checked="" type="radio"/>
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Is the proposed action connected to other actions with potentially significant impacts, or that could result in cumulatively significant impacts? If yes, describe them.	<input type="radio"/>	<input checked="" type="radio"/>
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Would the proposed action threaten a violation of applicable statutory, regulatory, or permit requirements related to the environment, safety, health, or similar requirements of DOE or Executive Orders?	<input type="radio"/>	<input checked="" type="radio"/>
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Would the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?	<input type="radio"/>	<input checked="" type="radio"/>
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Would the proposed action disturb hazardous substances, pollutants, contaminants, or natural gas products already in the environment such that there might be uncontrolled or unpermitted releases?	<input type="radio"/>	<input checked="" type="radio"/>
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Would the proposed action have the potential to cause significant impacts on environmentally sensitive resources? See examples in Appendix B(4) to Subpart D of 10 CFR 1021.	<input type="radio"/>	<input checked="" type="radio"/>
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Would the proposed action involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, such that the action is not contained or confined in a manner designed, operated, and conducted in accordance with applicable requirements to prevent unauthorized release into the environment?	<input type="radio"/>	<input checked="" type="radio"/>
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If "No" to all questions above, complete Section VI, and provide NRSF and any attachments to DOE NCO for review.
 If "Yes" to any of the questions above, contact DOE NCO for additional NEPA review.

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VI. Responsible Organization's Signatures:

Initiator:

Jerry W. Cammann, MSA/NEPA SME
Print First and Last Name

Jerry W. Cammann
Signature

12/19/2019
Date

Cognizant Program/Project Representative:

Chris P. Yaroch, DOE-RL/SESI
Print First and Last Name

Chris P. Yaroch
Signature

12/19/2019
Date

VII. DOE NEPA Compliance Officer Approval/Determination:

Based on my review of information conveyed to me concerning the proposed action, the proposed action fits within the specified CX(s): Yes No

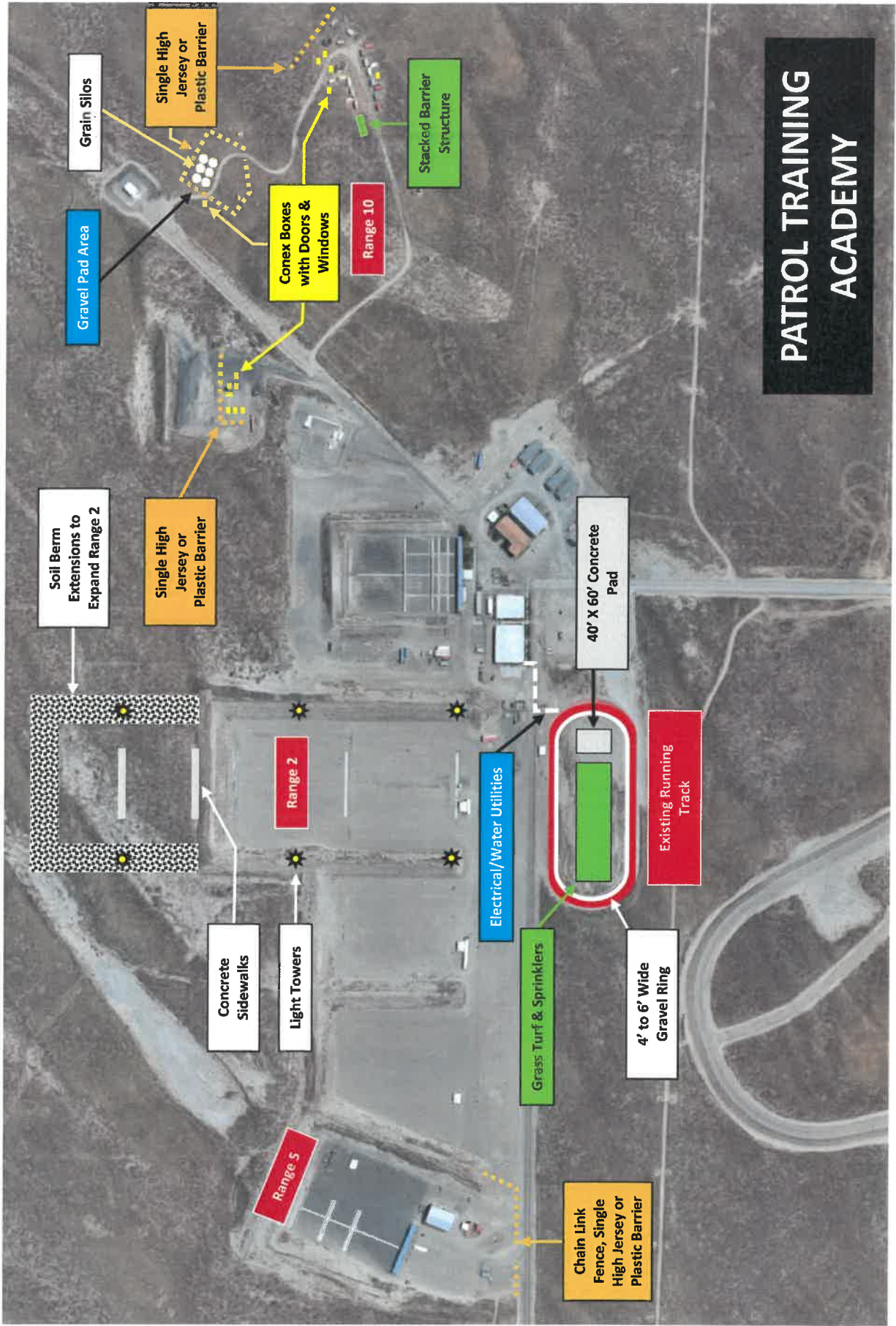
Diori L. Kreske, DOE-RL/NCO
Print First and Last Name

Diori L. Kreske
Signature

12/19/19
Date

NCO Comments:

Figure 1. Proposed Modifications at the Patrol Training Academy Running Track and Ranges 2, 5, and 10



PATROL TRAINING ACADEMY

Figure 2. Ecological Resources within the Project Area

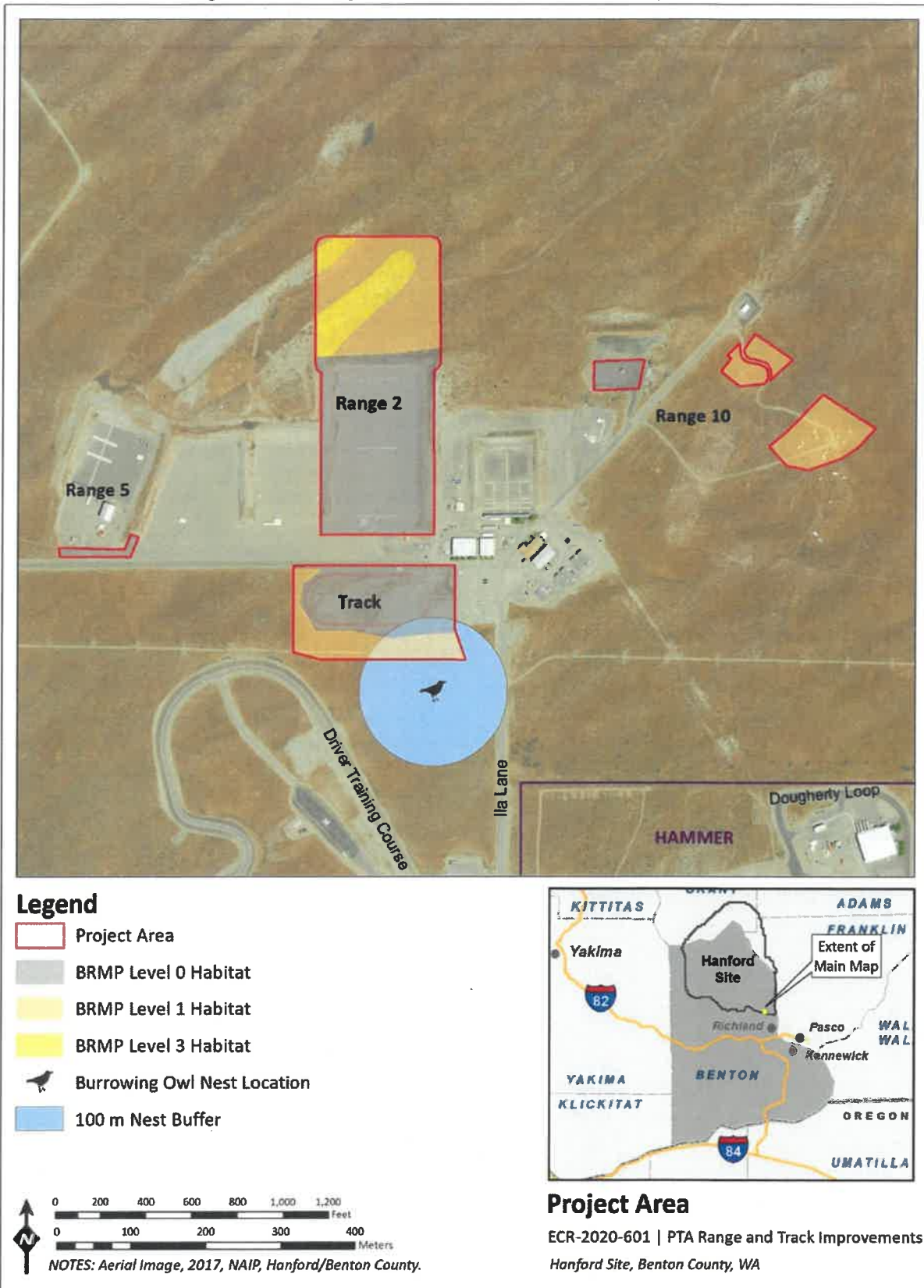


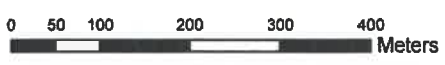
Figure 3. Area of Potential Effects Evaluated under Previous Cultural Resource Reviews



- LEGEND**
- Project Areas
 - HCRC#2009-600-030 APE
 - HCRC#2013-600-013 APE
 - Hanford Site Areas

Richland, WA 7.5' USGS Quad
Township 10 N Range 28 E
Sections 8 & 9

NOTES: Aerial Image, 2017, NAIP.






Project Areas
HCRC#2013-600-013 | HCRC#2009-600-030
Hanford Site, Benton County, Washington

Figure 4. Area of Potential Effects for Range 2 Expansion and Remaining Range 10 Upgrades



LEGEND

-  Range 2 Expansion Area
-  Area of Potential Effect (APE)
-  Hanford Operational Areas

Richland, WA 7.5' USGS Quad
Township 10 N Range 28 E
Section 8

NOTE:
Aerial Imagery, 2017, NAIP.



Detail of Area of Potential Effect (APE)
HCRC#2019-600-009
Hanford Site, Benton County, Washington