

## Bird Use of Northern Alaska Oilfield Rehabilitation Sites

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### APPENDIX 1

TABLE S1. Rehabilitation sites. Details can be seen in reports held by BP Exploration (Alaska), Inc. and regulatory agencies (ABR Inc. and BP Environmental Studies Group, 2007a, b, c, d, 2014–16; HDR Alaska, Inc. and BP Exploration, 2012–13; HDR Alaska, Inc. and Environmental Studies Group, 2014).

Site #	Site name	Type	Size	Year built	Years of active rehabilitation	Site Features
1	Mobil WZ	Airstrip	16 acres (6.47 ha)	1974	Gravel removal 2000	<ul style="list-style-type: none"> <li>• Gravel airstrip, combined with berms and turnaround area</li> <li>• Fertilizer and/or seeding 2002, 2004, 2011–12</li> <li>• Willow transplanting 2005–06</li> <li>• Sprigging 2008</li> </ul>
2	Hurl State	Pad + airstrip	13.2 acres (5.34 ha)	1969	Gravel removal 2006–07	<ul style="list-style-type: none"> <li>• Gravel pad, two reserve pits, sewage holding pond, gravel road, and gravel runway</li> <li>• Backfill of lagoon 2006–07</li> <li>• Fertilizer and/or seeding 2008</li> </ul>
3	Kup 24-11-12	Pad	9.78 acres (3.96 ha)	1970	Gravel removal 2006	<ul style="list-style-type: none"> <li>• Gravel pad, reserve pit, 3 ponds, overburden pile, petroleum impacted</li> <li>• Pit excavation and backfill 2006</li> </ul>
4	Kup 30-11-13	Pad + road	7.86 acres (3.18 ha)	1976	Gravel removal 2008	<ul style="list-style-type: none"> <li>• Reserve pit, gravel pad, access road</li> <li>• Pit excavation and backfill 2008</li> <li>• Fertilizer and/or seeding 2008–09</li> </ul>
5	Eileen West	Pad	7.1 acres (2.87 ha)	1982	Gravel removal 2001–03	<ul style="list-style-type: none"> <li>• Reserve pit, flare pit, gravel pad</li> <li>• Pit excavation and backfill 2003</li> <li>• Fertilizer and/or seeding 2005–06, 2011</li> <li>• Rototilling 2011</li> </ul>
6	W Kup Strip	Airstrip	5.6 acres (2.26 ha)	1969	Gravel removal 2002–03	<ul style="list-style-type: none"> <li>• Gravel airstrip</li> <li>• Fertilizer and/or seeding 2002</li> </ul>
7	Mob Kup Strip	Airstrip	4.9 acres (1.98 ha)	1968	Gravel removal 2001, 2003	<ul style="list-style-type: none"> <li>• Gravel airstrip</li> <li>• Fertilizer and/or seeding 2002</li> </ul>
8	W Kup Pad	Pad	4.4 acres (1.78 ha)	1969	Lagoon backfill 1980	<ul style="list-style-type: none"> <li>• Gravel pad, reserve pit, flare pit, and a sewage holding pond</li> <li>• Debris removal 2003, 2004</li> <li>• Pit excavation and backfill 2003–04</li> <li>• Gravel removal 2003–04</li> <li>• Fertilizer and/or seeding 2005–07</li> </ul>
9	Tract T3C	Pad	6.1 acres (2.47 ha)	1981	Gravel removal 2006	<ul style="list-style-type: none"> <li>• Gravel pad, reserve pit, and flare pit</li> <li>• Pit excavation and backfill 2006</li> <li>• Fertilizer and/or seeding 2007</li> </ul>
10	Term Well A	Pad	5.54 acres (2.24 ha)	1979	Drilling mud spill cleanup 1980	<ul style="list-style-type: none"> <li>• Gravel pad, reserve pit, and flare pit</li> <li>• Drilling waste removal 2003–04</li> <li>• Gravel removal 2007</li> <li>• Pit excavation and backfill 2007–08</li> <li>• Fertilizer and/or seeding 2009, 2011, 2013</li> <li>• Sprigging 2013</li> </ul>

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## REFERENCES

- ABR, Inc. and BP Environmental Studies Group. 2007a. Rehabilitation report for the Mobil W/Z Airstrip, Prudhoe Bay oilfield, Alaska. Progress Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.
- . 2007b. Rehabilitation report for the West Kuparuk State Airstrip, Prudhoe Bay Oilfield, Alaska. Progress Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.
- . 2007c. Rehabilitation report for Tract T-3C, Prudhoe Bay, Alaska. Progress Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.
- . 2007d. Rehabilitation report for the West Kuparuk State Pad, Prudhoe Bay Oilfield, Alaska. Progress Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.
- . 2014. Rehabilitation report for the Eileen West End 21-11-12 exploratory well site, Prudhoe Bay Oilfield, Alaska. Progress Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.
- . 2015. Rehabilitation report for Mobil Kuparuk State #1 Airstrip, Prudhoe Bay, Alaska. Progress Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.
- . 2016. Rehabilitation report for Term Well A, Prudhoe Bay, Alaska. Progress Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.
- HDR Alaska, Inc. and BP Exploration (Alaska) Inc. 2012. Rehabilitation report for Kuparuk State 24-11-12/22-11-12 Prudhoe Bay Oilfield, Alaska. Rehabilitation Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.
- . 2013. Rehabilitation report for the Hurl State Prudhoe Bay Oilfield, Alaska. Progress Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.
- HDR Alaska, Inc. and BP Environmental Studies Group. 2014. Rehabilitation report for Kuparuk 30-11-13 exploratory well site, Prudhoe Bay Oilfield, Alaska. Progress Report. Anchorage: BP Exploration (Alaska) Inc. Available at BP Alaska, 900 East Benson Blvd., Anchorage, Alaska 99508.