



2018 BLM Permitted Activities on the North Slope

Oil and Gas

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS** (see explanation at bottom)	FUEL SITES	FIELD CAMP
ConocoPhillips Alaska Inc. Contact: Lisa Pekich, PO Box 100360, Anchorage, AK 99510-0360 (907) 229-9182; Lisa.L.Pekich@conocophillips.com	Approximately 11 miles southwest from the Drill Site 2P (DS-2P) pad in the Kuparuk River Unit (KRU) that extends west to the National Petroleum Reserve – Alaska (NPR-A) boundary	Winter 2017-2018	Seismic Exploration	150	Traveling sled-mounted units (approximately 38 sled-mounted units in 10 strings).	0	Two double-walled long haul sleigh tank	In sled camps
ConocoPhillips Alaska Inc. Contact: Lisa Pekich, PO Box 100360, Anchorage, AK 99510-0360 (907) 229-9182; Lisa.L.Pekich@conocophillips.com	West of GMT1 in the GMTU, Bear Tooth, and Willow prospect area and south of Nuiqsut near the Colville River (Stony Hill)	Winter 2017-2018	Winter exploratory drilling: drilling of 5 new wells, testing of one existing well, plug and abandonment of 3 wells. Activity includes packed snow trail, ice roads, ice pads (9 800X800 ft pads and 1 200X200 foot pad), 1 drilling rig, and camps.	480	Ground: Rolligon, drill rigs, equipment on 30 miles of snow trail, 71.2 miles of ice road, and 20 miles of ice road to access lakes. Air: Otter and CASA aircrafts, ice airstrip on lake	10/week	Alpine	Rig camps at drill sites; remote camp (XBC Camp-Canning Camp) on an ice pad to facilitate snow road and ice pad construction,
ConocoPhillips Alaska Inc. Contact: Lisa Pekich, PO Box 100360, Anchorage, AK 99510-0360 (907) 229-9182; Lisa.L.Pekich@conocophillips.com	West of GMT1 in the GMTU, Bear Tooth, and Willow prospect area and south of Nuiqsut near the Colville River (Stony Hill)	November 2017 through May 2018	Deviation to withdraw additional water from Lake 9811 in support of CPAI's 2017-2018 exploratory program.	480	Ground: Rolligon, drill rigs, equipment on 30 miles of snow trail, 71.2 miles of ice road, and 20 miles of ice road to access lakes. Air: Otter and CASA aircrafts, ice airstrip on lake	10/week	Alpine	Rig camps at drill sites; remote camp (XBC Camp-Canning Camp) on an ice pad to facilitate snow road and ice pad construction,
ConocoPhillips Alaska Inc. Contact: Lisa Pekich, PO Box 100360, Anchorage, AK 99510-0360 (907) 229-9182; Lisa.L.Pekich@conocophillips.com	GMT1 Pad	March 5, 2018 Spud Date	Application for Permit to Drill (APD) a well on the Greater Mooses Tooth 1 (GMT1) pad	See GMT1 SEIS	Ice roads and Gravel roads	0	Alpine	GMT1 Pad
ConocoPhillips Alaska Inc. Contact: Lisa Pekich, PO Box 100360, Anchorage, AK 99510-0360 (907) 229-9182; Lisa.L.Pekich@conocophillips.com	Proposed GMT2 Drill Site Project Location (approximately 16 miles west/southwest of Nuiqsut)	6 days total between March 15 and May 15, 2018	Geotechnical Exploration (borehole drilling to look for gravel and examine subsurface soils to support well design studies for potential drilling)	14 (crew of 8 working during the day and of 6 working nights)	Via Rolligon on gravel road to GMT1 road and then across tundra to GMT2 site	0	Alpine	No fuel stored at the work site: fuel would be transported in day tanks and equipment tanks located on the Rolligons and in the tracked enclosure drill.
ConocoPhillips Alaska Inc. Contact: Lisa Pekich, PO Box 100360, Anchorage, AK 99510-0360 (907) 229-9182; Lisa.L.Pekich@conocophillips.com	Northeast NPRA: Greater Mooses Tooth Unit	January - December (multiple years)	Construction of GMT1 project (road, drillsite, pipeline).	See GMT1 SEIS	Ice roads and gravel roads	0	Alpine	Alpine/Kuukpik Pad

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS** (see explanation at bottom)	FUEL SITES	FIELD CAMP
Mr. Andrew J Marushack ConocoPhillips Alaska, Inc. 700 G Street, Suite 1950 Anchorage, Alaska 99501	At GMT1 pad, approximately 13 Miles Northwest of Nuiqsut	Starting March 1, 2018 for an estimated 60 days	Drill Oil Well MT6 03	See GMT1 SEIS	Doyon 19 rig on Ice roads and gravel roads	See GMT1 SEIS	Alpine	Alpine
ConocoPhillips Alaska, Inc. 700 G Street Anchorage, Alaska 99501	At GMT1 pad, approximately 13 Miles Northwest of Nuiqsut	Starting July 12, 2018 and last for an estimated 60 days	Drill Oil Well MT6-08	See GMT1 SEIS	Doyon 19 rig on gravel roads	See GMT1 SEIS	Alpine	Alpine
Chris Wrobel Permitting Coordinator ConocoPhillips Alaska, Inc. P.O. Box 100360 Anchorage, AK 99510-0360	Western North Slope of Alaska in and around the National Petroleum Reserve in Alaska (NPR- A) on lands managed by the Bureau of Land Management (BLM)	March 1, 2018 – April 30, 2018	Geotechnical Exploration: 27 primary boreholes with step outs to further delineate underlying gravel resources. In total, 43 boreholes are planned.	17 people over three weeks working two, 12-hour shifts each day.	From existing gravel roads, permitted ice roads and ice pads, and from tundra travel routes with tractor towed sleigh with a portable Hammer Drill Rig (Figure 2), a tent enclosure for the drill rig (Figure 3), fuel storage, a power generator, tools and spare parts. The drilling sleigh would be pulled by a tracked Steiger or Tucker tundra tractor.	0	8,400 gallons in: • Two double-walled mobile fuel tanks with a total fuel capacity of 7,000 gallons combined. • Two 500-gallon double-walled fuel tanks for the camps • Four 100-gallon double-walled fuel tanks (day tank/slip tank mounted on Tucker SnowCat vehicles.	Mobile arctic camps mounted on trailers with skis. Assembled into approximately 8 trailers in 1-2 strings.
ConocoPhillips Alaska, Inc. Sarah Kenshalo P.O. Box 100360 Anchorage, AK 99510-0360	NPR-A GMT2/ Willow/Bear Tooth area	April – May 31, 2018	Hydrology field activities: install stream gauges at 70 locations (84 new gauge installations and 64 existing gauge installation, totaling 148). (In April 20, 2017, BLM issued NPR-A Permit to conduct hydrology studies. CPAI requested to extend the existing BLM permit. This extension allowed CPAI to install stream gauges prior to breakup in spring 2018 on the North Slope.)	1-6	Helicopter	60-100	N/A	Alpine

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS** (see explanation at bottom)	FUEL SITES	FIELD CAMP
ConocoPhillips Alaska, Inc. 700 G Street Anchorage, Alaska 99501	Greater Mooses Tooth Unit (GMTU), the Bear Tooth Unit (BTU), Leases within State of Alaska Colville River Unit, Nuiqsut, Inigok, and surrounding lands.	June 1, 2018 – October 1, 2023	5-year Right-of-Way authorization for summer activities in the NPR-A, including: <ul style="list-style-type: none"> Studies and activities including but not limited to engineering, geological, ecological, geotechnical, biological, hydrological, water quality, meteorological, archaeological/cultural, lake studies, mapping, and stick picking . Surveys for well placement and road routing Inspections of existing well locations in NPR-A. Collecting rock and soil samples 	1-6/crew. Likely no more than 20 personnel in the field at one time.	Helicopter	Summer 2018: 5884	Temporary fuel tanks (to support helicopter fueling) at the Inigok Field Station. All other helicopter fueling will be conducted outside the NPR-A.	Alpine
Chris Wrobel Permitting Coordinator ConocoPhillips Alaska, Inc. P.O. Box 100360 Anchorage, AK 99510-0360	(Permitting in Progress)	(Permitting in Progress)	Greater Mooses Tooth 2 Development Project (GMT2 Supplemental Environmental Impact Statement (EIS))	Various	Helicopter, Drill Rigs, Road Vehicles			
ConocoPhillips Alaska, Inc. Chris Wrobel P.O. Box 100360 Anchorage, AK 99510-0360	NPR-A shoreline nearAtigaru, Kogru, Harrison Bay	June 18, 2018 – October 15, 2018	Marine Environmental and Engineering Studies	9	Helicopter, marine research vessel, skiffs	50	1,000 gallons of diesel would be stored in the research vessel's tanks. Up to 25 gallons of gasoline may be stored in day tanks for skiffs and small tools. Fueling would occur either at the Oliktok Dock or at West Dock.	N/A - Alpine or vessel crews would overnight on vessel.
Oil Search Alaska, LLC Patrick Conway 510 L. Street Suite 310 Anchorage, Alaska 99501	West Bank Colville River, near the community of Nuiqsut (south of Nuiqsut, upstream on the Colville)	June 15, 2018 – September 30, 2018	Environmental studies to prepare for winter oil exploratory drilling ice road routes and drilling locations	3-4 at a time	Helicopter	390	N/A	N/A
SAExploration 8240 Sandlewood PI- Suite 102 Anchorage, AK 99507. Ted Smith, Operations Supervisor. Partners: ASRC & Kaktovik Inupiat Corporation (Joint Venture forthcoming: Inupiat Geophysical Partnership, LLC with ASRC, KIC, SAE, & Kuukpik-SAE)	(Permitting in progress) Coastal Plain, ANWR 2,602 square miles	Dec. 1 - May 31 or tundra closure 2018-2019 and 2019-2020	(Permitting in progress) Seismic data acquisition (2 crews)	150-160/crew (max total 320)	Snow packed trails for tracked and wheeled tundra vehicles staged from existing gravel pads; fixed-wing aircraft on temporary snow airstrips	Unknown	Long haul sleigh tanks for fueling, fuel delivered via Rolligon or rubber tracked carriers or via aircraft if weather necessitates it.	2 Sled camps

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS** (see explanation at bottom)	FUEL SITES	FIELD CAMP
Alaska Clean Seas Pouch 340022 Prudhoe Bay, Alaska 99734 1-907-659-3207 Office 1-907-943-1867 Mobile E-mail address: planning@alaskacleanseas.org	Crea Creek, Ublutuoch River, Tingmiaqsigvik River, and Fish Creek	July 1 – August 31, 2018	Reconnaissance of area for possible deployment of oil spill equipment cache and determination of feasibility of pre-deploying protective boom	Up to 20	Boat, road, helicopter	1-3	N/A	N/A

Science/Research/Surveys

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Wildlife Conservation Society (Sally Anderson, project lead)	Northeast NPR-A, just east of Teshekpuk Lake in the proposed Qupaluk Flyway area	1 week during June 15-30	Shorebird studies (preliminary site visit)	2	Fixed Wing w/ tundra tires	16	N/A	Tents
Alaska Department of Fish & Game Division of Wildlife Conservation Richard Shideler 1300 College Road Fairbanks, Alaska 99701	NPR-A Wide	June 15- October 15	Continuation of an ongoing grizzly bear study that started in 1991 in the Prudhoe Bay/Deadhorse area: aerial radio-tracking surveys, capture, radio-collar deployment, and ground inspections of dens.	3-4	Helicopter (fixed wing used but does not land)	40	N/A	N/A
Bureau of Land Management (BLM) (Whitman)	Fish Creek Watershed; Teshekpuk Lake region	May 24-June 6; July 9-18; Aug 22-28	Fish & hydrology studies	4	Helicopter A-Star 350HD	150	Inigok, Umiat	Inigok, Umiat
Bureau of Land Management (BLM) (Nigro)	Colville River and scattered location in NE NPR-A	June 6-13	Raptor Survey and Vegetation plot maintance	3	Helicopter A-Star 350HD	50	Inigok, Umiat	Inigok

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Bureau of Land Management (BLM) (Nigro)	Etivlik River mouth and Ocean Point bar	July 14 and July 30	Raptor surveys	2	Fixed wing	8	Umiat	Along River Corridors
Bureau of Land Management (BLM) Keeney	Northeast NPR-A in the Willow Area west of Nuiqsut (NE NPR-A)	June 27-July 3	Cultural site survey, monitoring, and data collection in Willow area	2	Helicopter A-Star 350HD	40	Inigok	Inigok
Bureau of Land Management (BLM) Keeney	Point Lonely and Smith Bay	July 5-July 8	Archaeological data recording at an eroding site 4 miles west of Point Lonely and at another on Smith Bay	4	Helicopter	10	Inigok, Ikpikpuk	Inigok
Bureau of Land Management (BLM) Keeney	Coastline between Harrison Bay and Admiraly Bay	July 9-July 10	Monitor erosion impacts to documented archaeological sites along the coast and survey for undocumented sites in high-erosion settings along the coast.	4	Helicopter	12	Inigok, Ikpikpuk	Inigok
Bureau of Land Management (BLM) Keeney	Nigu River Valley into foothills (S NPR-A) OR West of Willow Area (NE NPR-A)	July 25-July 31	Survey for cultural sites along Nigu River (Funding dependent). Alternative project is to conduct archaeological survey west of the Willow development area	2	Helicopter	8	Inigok, Ivotuk	Inigok
Bureau of Land Management (BLM) Keeney and Vosburgh	ASTAC corridor and lands to the east (NE NPR-A)	August 2-August 7	Archaeological survey, monitoring, and data collection and vegetation survey along ASTAC corridor and the western community winter access road. If finished with this early, proactive survey of landforms to the east of this area	2	Helicopter	60	Inigok	Inigok

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Bureau of Land Management (BLM and USGS) T. Vosburgh and F. Urban	Northern NRPA	June 14 - 26	Climate monitoring studies		Helicopter	35	Inigok, Ikpikpuk, Umiat, Barrow, Atqasuk, Wainwright	Inigok,
Bureau of Land Management (BLM) T. Vosburgh	NARL cabin, Teshekpuk Lake.	July 19 - 24	Ben Jones (USGS) PACE project	1	Helicopter	4	IGK	NARL cabin
Bureau of Land Management (BLM and ADFG) T. Vosburgh and L. Parrett	Various locations NE NPRA	August 9 - 14	Collecting collars from mortalities and veg surveys	2	Helicopter	30	UMT, IKP	Umiat
Pamela Groves & Daniel Mann Institute of Arctic Biology University of Alaska P.O. Box 755280 Fairbanks, Alaska 99775-5280 pgroves@alaska.edu	Upper to lower Ikpikpuk River, possibly also section of Titaluk River	3 weeks during 15 June – 10 August 2018	Paleontological & stratigraphy surveys (bone and geological sampling)	4	Drop off & pick up by chartered fixed-wing aircraft, travel along rivers by canoe	8	N/A	Tent camps along rivers
Stephen Townsend Intermap Technologies, Inc. 8310 South Valley Hwy, Suite 400 Englewood, Colorado 80112	NPR-A, various sites	June 1 – September 30, 2018	Imaging Radar Mapping Project	2	Helicopter; Learjet (would not land)	78	N/A	N/A
Matthew Sturm UAF Geophysical Institute 903 Koyukuk Drive Fairbanks, AK 99775 msturm@alaska.edu	Various routes through the NPR-A	February through May each year, 2018-2028	Snow traverse by snowmobile, Annual snow studies (snow condition and snow cover). 10 to 30 days with daily travels between 20 to 50 miles.	2-10	2-6 Skandic Wildtrack four-stroke snowmobiles pulling 4-10 Northern Sledworks plastic sleds	None	40 gallons gas per snowmobile contained in either five-gallon plastic containers or 15-gallon cube tanks	In tents along route.
North Slope Borough Department of Wildlife Attn: Brian Person P.O. Box 69 Utqiagvik, Alaska 99723 brian_person@north-slope.org	North side of Teshekpuk Lake	Current – December 31, 2037	Right-of-Way (ROW) that would allow for the continued use of five caribou exclosures.	2 to 5	Boat, foot, & helicopter	22	:55 gallons of aviation fuel at NSB Wildlife cabin	NSB Wildlife Cabin
NSB Brian Person	Ikpikpuk River Delta	July 3 -15 and July 25 - August 4	Snow Goose Colony Nest Success Survey and Goose Banding	9	Fixed-wing and helicopter	H = 120 FW = 20	At camp site (300 gallons av gas)	Ikpikpuk and Piask River deltas
ADFG Lincoln Parrett Wildlife Biologist Alaska Department of Fish & Game (ADF&G) 1300 College Rd. Fairbanks, Alaska 99701 Phone: 459-7366 Email: Lincoln.Parrett@alaska.gov Project cooperators: Dave Yokel, BLM; Brian Person, NSB, & Alex Pritchard, ABR	NPR-A wide with majority of effort in northern coastal plain particularly near Teshekpuk Lake & Inigok	1990 - Ongoing 2018: : June 3-12; June 22-28; July 5-16	Teshekpuk Caribou Movement & Range Use - Caribou calving surveys & calf capture; adult caribou captures; photocensus	2- Five (5)	Fixed wing aircraft (8GCBC, PA-18, and DHC-2) out of Umiat for all 3 activity periods; an R-44 helicopter from June 3-12, June 22-28, and July 5-16.	240 remote w/ helicopter	Umiat & Inigok	Umiat

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Dr. George J. Divoky Friends of Cooper Island 652 32 Avenue East Seattle, WA 98112	Cooper Island	5 June - 10 September, 2018	Biological research of Black Guillemots.	1 full time, second person for approximately 2 weeks in July and 3-4 weeks in August.	Snowmachine over sea ice early June -remote possibility 1-2 helicopter trips if sea ice unstable. . After breakup, all be by boat with 3-4 charters from Utqiagvik.	Max 4	N/A	Cooper Island
Vanessa L. Lougheed University of Texas 500 W. University Ave El Paso, TX 79902	Long-Term Ecological Research for Beaufort Sea Lagoons	July 2018 – August 2022	Elson Lagoon-Utqiagvik, Alaska	Max 6	Boat in summer, snowmachines in winter.	0	Contained in boats.	N/A
Benjamin Jones, Ph.D. USGS Alaska Science Center 4210 University Drive Anchorage, Alaska 99508	Coastline north of Teshekpuk Lake (Drew Point)	1. April 8th – 22nd 2. July 15th – August 1st 3. Early October (one day)	Site Access for Permafrost Arctic Coastal Erosion (PACE) Observation Network/ (288401)	1. 4 2. 7 3. 1 (2 with pilot)	1. Snowmachine from Utqiagvik 2. Float plane and possibly helicopter 3. Float plane	Helicopter: 24 Fixed Wing: 40	Point Lonely	NARL cabin at Teshekpuk Lake
USGS (John Pearce; Paul Flint)	Between Utqiagvik & the Colville River close to the coast: 13 brandt colonies	(2016 – 2019) -visit each of 13 brant colonies once per year. 2018: 5 days between July 10-20	Revisit the black brant goose nesting colonies (after eggs have hatched and birds have left the area). Examine evidence of nesting in relation to timing of break-up and meltwater levels. Revisit coastal permafrost subsidence transects.	3	Helicopter R-44 We will avoid aircraft use within a 10 mile radius of Nuiqsut. We will also avoid any additional locations as advised by BLM or other parties.	H = 120	Commerical or tank at Point Lonely	Utqiagvik & Point Lonely
UGSG (John Pearce; Brandt Meixell)	Arctic Coastal Plain	20 July - 26 July; Avgas delivery to Inigok sometime between 10 July - 20 July.	Vegetation surveys, maintenance of vegetation grazing exclosures, and collection of vegetation plugs. We will visit each of the 12 sites where exclosures were deployed in 2016. Each exclosure site will be visited on a single occasion. We would also like to collect up to 50 sod plugs to be used in greenhouse experiments. Plugs will measure 10cm x 10cm with an approximate soil depth of 10cm. Holes will be backfilled with sediment. We will base out of Inigok. Plug collections at sites west of the Ikpikpuk River will occur in conjunction with exisitng project "Brant Colony Assessment".	2	Travel to and from sites will be via R-44 helicopter; fixed wing aircraft will stage avgas at Inigok and may be used to transport personnel to/from Inigok. No surveys in or around private lands or subsistence structures without permission, and we will avoid aircraft use within a 10 mile radius of Nuiqsut. We will also avoid any additional locations as advised by BLM.	Helicopter: 100 Fixed Wing: 8	Inigok	Inigok

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
UGSG (John Pearce; Paul Flint)	Chipp North, Chipp South, Garry Creek N70.3956 W155.4081; N70.6784 W152.5636; N70.6860 W155.3007	1 day between July 10 - 20	Revisit USGS conex locations to finalize clean-up and document status of surrounding vegetation.	3	Travel to sites will be conducted with R-44 helicopter. We will avoid aircraft use within a 10 mile radius of Nuiqsut. We will also avoid any additional locations as advised by BLM or other parties.	H = 6	Utqiagvik and Point Lonely (200 gallon avgas)	Utqiagvik and Point Lonely
UAF/The Wilderness Society (Jason Leppi): jason_leppi@tw.s.org	BLM designated Land just downstream of Ocean Point on the Colville River, approximately 35 river kilometers upstream of Nuiqsut. Aerial tracking up to 300 river kilometers upstream of Umiat on the Colville River	Non motorized boat based activities (8 days within period July 20 - August 30); aerial tracking activities (2 - 6 days activity within each period April 1 - 25, August 20 - 30 and September 1 - 30	Collect a variety of biological information on broad whitefish in the Colville River Watershed. Set up & use a telemetry tower at location close to camp. Conduct 3 describe aerial tracking surveys.	4	Local boat use in the Umiat/Colville River area; fixed-wing use for telemetry flights, one fixed-wing pick up at Ocean Point	32	Umiat	Umiat N 70.04, W - 151.29 and spike camps between Umiat and Ocean Point9
Bureau of Land Management (BLM) Deb Nigro: Email: dnigro@blm.gov; work: 474-2324	2018: Computer based work only	2016-2018	Effect of Observational Uncertainty on Spectacled Eider Listing	N/A	N/A	N/A	N/A	N/A
Bureau of Land Management (BLM) Deb Nigro: Email: dnigro@blm.gov; work: 474-2324	Northeast NPR-A Arctic Coastal Plain	1986-ongoing	Eider Survey : track the status of the Alaska breeding populations of spectacled & Steller's eiders through time.	N/A	N/A	N/A	N/A	N/A
Bureau of Land Management (BLM) Deb Nigro: Email: dnigro@blm.gov; work: 474-2324	Barrow Triangle	1999-Ongoing	Intensive survey of the Barrow Triangle area designed to track the status of the Alaska breeding population of Steller's eiders through time.	N/A	N/A	N/A	N/A	N/A

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Bureau of Land Management (BLM) Deb Nigro: Email: dnigro@blm.gov ; work: 474-2324	NPR-A	2006-Ongoing	North Slope Eider Information & Education work w/ the FWS Endangered Species Program & Eider Recovery Team to determine which recovery tasks can be addressed using outreach & education methods. The high priority recovery tasks addressed by the outreach program include: 1) Reduce exposure to lead; 2) Reduce nest predation & disturbance; 3) Reduce hunting & shooting mortality; 4) Develop partnerships for recovery efforts	N/A	N/A	N/A	N/A	N/A
University of Alaska IARC ATTN: Mr. Go Iwahana P.O. Box 757340 Fairbanks, Alaska 99775-7340	Two areas south of Toolik Lake near the Dalton Highway & one area west of the village of Nuiqsut	May 1, 2016 - April 30, 2036	Study of Permafrost Degradation & Thermokarst Development	Up to 8	In winter, snowmachine. In summer, by foot Site P_11 west of Nuiqsut will be accessed by boat or on foot in the summer. From site camps, lakes for water sampling will be accessed by small inflatable boat.	0	In winter, carried in sleds behind snowmachines. In summer, fuel at camps will consist of a small quantity for cooking & 2 gallons of unleaded fuel for use in the augers & outboard motor.	Tent camps at sites for 1-2 days annually during site visit
Patrick Druckenmiller Earth Science Curator University of Alaska Museum 1962 Yukon Dr. Fairbanks, AK 99775	Prince Creek Formation, Lower Colville River area	August 2-20 2018 through 2020	Fossil prospecting/ Paleontological survey and excavation activities	Up to 9	Fixed-wing aircraft from Happy Valley and/or Deadhorse (contingent upon weather)/motorized inflatable rafts and by foot.	14	Boat fuel in approved containment	Tent camps along river
IRIS/USArray Robert Busby, TA Manager 1200 New York Ave, NW Suite 400 Washington, DC 20005	North Slope, Alaska	Current – December 31, 2019	Amendment to Right of Way to include taking soil samples and adding wind turbines mills at current earthquake monitoring system sites.	1-2	Helicopter (no additional flights over existing ROW)	##	N/A	N/A
IRIS/US Array Robert Busby, TA Manager 1200 New York Ave, NW Suite 400 Washington, DC 20005	Utqiagvik, Alaska at USGS observatory Right of Way Renewal for Earthquake Monitoring System	Until Dec. 2021	Seismic instrument maintenance	1-2	Personnel would walk to the site from the Barrow Air Force site road. If the road is not plowed, they may use a snowmachine.	0	N/A	N/A

Infrastructure Development

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Arctic Slope Telephone Association Cooperative 4300 B Street, Suite 501 Anchorage, Alaska 99503	Utqiagvik to Atqasuk	February 8 – April 30, 2018	Winter Field Reconnaissance by snowmachine to survey possible future fiber optic line route	3-5	Snowmachine	0	Jugs on machines	N/A
ASTAC (Arctic Slope Telephone Association Cooperative, Inc.) 4300 B Street, Suite 501 Anchorage, Alaska 99503	<i>(Permitting in progress)</i> Between Utqiagvik and Atqasuk	<i>(Permitting in progress)</i> Summer 2018	<i>(Permitting in progress)</i> Summer surveys to plan for fiber optic cable route		To be determined	To be determined	TBD	TBD
ASTAC (Arctic Slope Telephone Association Cooperative, Inc.) 4300 B Street, Suite 501 Anchorage, Alaska 99503	<i>(Permitting in progress)</i> Between Utqiagvik and Atqasuk	<i>(Permitting in progress)</i> Cable laid 25-35 days during 2018-2019 winter season commencing in January 2019. Cable seating during summer 2019	<i>(Permitting in progress)</i> Right of Way for installing and using a fiber optic cable from Utqiagvik to Atqasuk	1-2 crews with 4-6/crew	To be determined	To be determined	Up to 2,500 gallons with the mobile camps, disbursed to field crews in quantities up to 500 gallons. May require total use up to 10,000 gallons.	Initially in Utqiagvik, 1-2 mobile sleigh camps along the route hauled by a Steiger, and in Atqasuk.
Barrow Utilities & Electric Cooperative, Inc. P.O. Box 449 Utqiagvik, Alaska 99723	Lot 1, Block 20, USS 4615. 1295G Agvik Street, Utqiagvik, Alaska 99723	2017-2020	Construction of a new electrical Switchgear Building	Standard construction crew	Road system in Utqiagvik	0	N/A	N/A
United States Army Corps of Engineers Michael D. Coy P.O. Box 6898 JBER, Alaska 99506-0898	Utqiagvik	Current – December 31, 2035	Right of Way for Alaska Army National Guard Utqiagvik Armory	N/A	Existing road system in Barrow	N/A	N/A	N/A
HDL Engineering Consultants, LLC 3335 Arctic Blvd Anchorage, Alaska 99503	Utqiagvik to Atqasuk	August 27-31, 2018	Archaeological survey to clear potential winter gravel haul route (gravel for Atqasuk airstrip repairs)	Up to 4	Helicopter (Pollux Aviation)	N/A	N/A	N/A

Transportation

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
North Slope Borough P.O. Box 69 Utqiagvik, Alaska 99723	Winter 2018: 2P Pad to Utqiagvik (235 miles) and Utqiagvik to Atqasuk (68 miles) with overlap/merged trails	5 yr Right of Way. Prepacking in December or early January, activities continue until the close of tundra travel.	Community Winter Access Trail system	Varies	Two Pisten Bully 400 tracked vehicles ; road vehicles (users). 2 Steigers to manage caravan, provide trail maintenance and recovery operations Estimates 200-300 vehicles will use the system,10-15 local vehicles per caravan trip.	0	One Pisten Bully will be equipped with a 500 gallon, double walled fuel tank mounted on a sled. Approximately 20,000 gallons of diesel would be used over the course of the project.	Travel over a single day would use either a towable safety trailer or use a temporary structure that the contractor provides near the midway point of the trail.
Mr. John Pearce USGS Alaska Science Center Glenn Olds Hall 4210 University Drive Anchorage, Alaska 99508	Chipp North & Chipp South areas. Chipp South conex e moved to the BLM Ikpikpuk Fuel Site; Chipp North conex removed from BLM managed land.	Approval – Tundra Closure Spring 2018	Right of Way renewal for two conexes that were not moved winter 2016-17	Mr. Pebley and possibly 1-2 assistants	Mr. Pebley via four-wheel drive trucks (Ford F-350s) equipped with a Mattracks Track Conversion System or oversized tires.	0	N/A	Mr. Pebley would carry up to 200 gallons of either diesel fuel or unleaded gasoline on the back of his truck
Olgoonik Oilfield Services 3201 C. Street Suite 700 Anchorage, Alaska 99503	From Utqiagvik to Atqasuk	Winter tundra travel season ~ January 1, 2018 – April 30, 2021	Tundra travel to transport fuel	10	1 Tucker, 5 Case Steigers, pulling 10 double sleigh tanks (fuel trailers)	0	N/A	0
Alaska West Express Inc. Lynden Oilfield Services 1048 Whitney Road Anchorage, Alaska 99501	Drill Site 2P Pad to Utqiagvik	Winter tundra travel season; Five year Right-of-Way (ROW), activity date ROW issuance – May 1, 2023	Overland Tundra Travel (freight transport)	2	PistenBullys and/or Caterpillar 730c tracked vehicles	0	N/A	Trucks are equipped with an enclosed heated sleeper.
Peak Oilfield Services	NPR-A wide	Winter tundra travel season 2015 – 2035	Overland Tundra Travel/ NPR-A Right-of-Way	12	Rolligons, sometimes Tuckers	0	The Rolligons primarily haul fuel to communities & refuel from their own supply en route.	None: drivers take breaks in the cabins of the machines along the route. Peak has a base camp at Deadhorse.

Restoration/Cleanup

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Olgoonik Construction Services, LLC 3201 C Street, Suite 700 Anchorage, AK 99503	Wolf Creek Area (West of Umiat, approximatley 80 miles southwest of Nuiqsut)	February to May 2018	Wolf Creek Legacy Well Remediation - Plug & miles of snow trail from 2P site to five well sites * Up to four remote snow-packed landing strips	24-34	Snow trail from 2P: 9 Tucker Sno-Cats, 5 Steiger, 8 Cat Camps, 11 Freight Sleighs, 5 fuel sleds, 1 D77 loader, 5 D7s, additional units for camp and operations. Turbine Beaver or Otter ski equipped fixed-wing aircraft	20	75,000 gallons stored in mobile fuel sleighs	Mobile Cat camps/ Camp Units
US Army Corps of Engineers, Alaska District P.O. Box 6898 JBER, Alaska 99506	Umiat	Authorized –	Cleanup of Formerly Used Defense Sites	Various	Chartered flights from Anchorage to Umiat. Daily transportation between Umiat & the site over established roads. Hand carts, sled, or other forms of off-road transport would be pre-approved by the BLM before use.	?	?	N/A

Inspections

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Bureau of Land Management (BLM) Donna Wixon: (907) 474 -2301, Email dwixon@blm.gov	Olgoonik/NSB. NE & NW NPRA	July 19-24 or August 16-21, August 29 - 31	Trail Inspections	5	Helicopter A-Star 350HD	20	Inigok, Ikpikpuk, Umiat, Utqiagvik	Inigok, Umiat/Deadhorse
	South NPR-A (south of 70 degree N) & south of NPRA		Site Inspections	5	Helicopter A-Star 350HD	40	Inigok, Ikpikpuk, Umiat, Ivotuk	Inigok/Umiat/Deadhorse
	CAMA		Site Inspections	5	Helicopter A-Star 350HD	20	Inigok, Ikpikpuk, Umiat, Ivotuk	Inigok/Umiat/Deadhorse
	Legacy Wells remediated winter 2018 west of Umiat: Wolf Creek 1, 2, 3; Square Lake; Titaluk		Site Inspections	5	Helicopter A-Star 350HD	4	Inigok, Ikpikpuk, Umiat, Utqiagvik, SCC	Inigok/Umiat/Deadhorse
	Conoco sites NE NPRA		Trail & Site Inspections	5	Helicopter A-Star 350HD	40	Inigok, Ikpikpuk, Umiat, Utqiagvik	Inigok/Umiat/Deadhorse
	Various other locations throughout NPR-A		Site Inspections	5	Helicopter A-Star 350HD	20	Inigok, Ikpikpuk, Umiat, Utqiagvik, Deadhorse	Inigok/Umiat/Deadhorse
	Northern NPR-A		Oil/gas (sites & trails) & Lands/realty (sites & trails) inspections	5	Helicopter A-Star 350HD	20	Inigok, Ikpikpuk, Umiat, Utqiagvik, Deadhorse	Inigok/Umiat/Deadhorse
	Umiat (south of 70 degree N)		Site Inspections	5	Helicopter A-Star 350HD	40	Inigok, Ikpikpuk, Umiat, Utqiagvik, Deadhorse	Inigok/Umiat/Deadhorse
	Legacy Wells		Legacy Wells site compliance visits	5	Helicopter A-Star 350HD	30	Inigok, Ikpikpuk, Umiat, Utqiagvik, Deadhorse	Utqiagvik
Bureau of Land Management (BLM) T. Vosburgh and C. Burns	Qupaluk, NE Teshekpuk Lake	June 21 - 25	Drop off at WCS field camp	2	Helicopter	8	IGK	Qupaluk
Unanticipated BLM authorization requests	NPR-A wide	June - September	VIP visits, Legacy Well compliance visits	2 - 6	Fixed-wing and helicopter	H = 200 FW = 50	Umiat, Inigok, Utqiagvik, Deadhorse	None

Recreation

WHO	WHERE	WHEN	WHAT	NO. PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Josh Aufhauser Sierra Club 2101 Webster St., Suite 1300 Oakland, CA 94612	Within the Wulik Peaks area, along the Kivalina River, and adjacent to the Noatak Preserve within the southern NPR-A.	August 18-27, 2018	Backpacking trip	Up to 7 members and 2 leaders	Fixed wing charter flight from Kotzebue	4-6	Cooking Fuel	Tent camps along hiking route
Jim Campbell and/or Carol Kasza DBA: Arctic Treks P.O. Box 73452 Fairbanks, Alaska 99707	Nigu River, Colville River, Pik Dunes, Utukok River & Etivluk River	June 10 & September 30, 2018	Guided river trip for recreation	Max 6 clients and 2 guides	Fixed-wing charter (Coyote Air in a wheeled Beaver)	4-12	N/A	Tent camps on Gravel bars along river corridors

Guided Hunting

WHO	WHERE	WHEN	WHAT	Number of PEOPLE	ACCESS (Helicopter Make & Tail Number when available)	Number of LANDINGS & TAKEOFFS**	FUEL SITES	FIELD CAMP
Richard W. Stewart www.rwsguide.com DBA RWS Guide Service 297 Adamson Circle Soldotna, Alaska 99669	State Game Management Area 26-12, Nigu River. Put in at either Hunter Lake or Cowboy Lake and take out at Pac Paddle Lake.	July 24th - August 30th, 2018	Guided Hunts (bear, caribou)	Maximum of 12 clients total in groups of no more than 3 people with one guide for every 2 clients.	Fixed-wing, river rafts	20	N/A, propane for cooking at spike camps	Spike camps along the river would be at random locations with no camping spot being used for more than 14 days nor more than one time per season
Richard A. Guthrie Master Guide and Outfitter P.O. Box 220949 Anchorage, Alaska 99522	State Game Management Area 26-08	August 1 - September 15,	Guided bear, caribou, and wolf hunts	Max 6 clients, likely 2 trips with 3 guides and 3 clients each	Piper fixed wing wheeled aircraft landing on state land	6	N/A – no fuel or camping on BLM land	N/A (spike camps on state land)

*** The National Petroleum Reserve in Alaska (NPR-A) is managed by the U.S. Department of the Interior Bureau of Land Management (BLM).**

**** Number of Take Offs and Landings: BLM is required to track the total number of take offs and landings that an aircraft makes on BLM-managed land because that is the actual disturbance event for Endangered Species Act (ESA) species due to the rotor wash and noise that could spook said species and results in a "take". This is not the number of flights: One "flight" could require multiple landings and take-offs. Nor does this number necessarily represent twice the number of flights. (Some people may consider a flight to be when an aircraft leaves its home base and when it returns, not every single leg of that aircraft when it touches down. Each "flight" could be as little as a helicopter flying an ice road route and taking off from point A and moving 1 mile away to point B to pick up sticks.)**

The number of use days by aircraft is likely a more accurate metric of disturbance for most resources (e.g., caribou, hunters).

Beginning in 2017, industry is required to provide more detailed flight reporting and BLM will be better able to characterize actual flight activity that is occurring.

This spreadsheet only includes projects that are permitted by the BLM: it is not a complete list of science & research projects in the NPR-A or on the North Slope. Many North Slope projects not listed here are coordinated by the North Slope Borough's Dept. of Wildlife Management, by the National Science Foundation (NSF), by the U.S. Dept. of the Interior Bureau of Ocean Energy Management (BOEM, formerly MMS), or through universities. A web-based & searchable index of NSF & many other projects can be found at: <http://armap.org> A list of the Bureau of Ocean & Energy Management's (BOEM) new & ongoing projects in the Chukchi & Beaufort seas can be found here: <http://www.boem.gov/akstudies/> The North Slope Science Initiative's website also provides information on science projects at <http://www.northslope.org>

For more information on BLM's projects or to obtain copies of this spreadsheet, please contact Stacey Fritz in BLM's Arctic District Office: 222 University Ave. Fairbanks, AK 99709 Phone: (907)474-2309; toll free 1-800-437-7021; cell (907) 687-6549; email sfritz@blm.gov