

Label: "Administrative/FOIA/FOIA 1002 Resource Assessment"

Created by:adevaris@usgs.gov

Total Messages in label:69 (7 conversations)

Created: 04-02-2018 at 17:45 PM

Conversation Contents

Arctic Science data call

Attachments:

/1. Arctic Science data call/1.1 USGS 1002 ongoing work to WS w pubs estimates for Dep Sec.xlsx

"Wackowski, Stephen" <stephen_wackowski@ios.doi.gov>

From: "Wackowski, Stephen" <stephen_wackowski@ios.doi.gov>
Sent: Wed Feb 21 2018 18:56:24 GMT-0700 (MST)
Karen Mouritsen <kmourits@blm.gov>, Greg Siekaniec <greg_siekaniec@fws.gov>, Aimee Devaris <adevaris@usgs.gov>, James Kendall <james.kendall@boem.gov>, Mark Fesmire <mark.fesmire@bsee.gov>, Lynn Polacca <lynn.polacca@bia.gov>, Herbert Frost <bert_frost@nps.gov>, Cynthia Jacobson <cynthia_jacobson@fws.gov>, Gene Peltola <gene_peltola@fws.gov>, Sara Longan <slongan@blm.gov>
To: "Travnicek, Andrea" <andrea_travnicek@ios.doi.gov>, Jason Larrabee <jason_larrabee@ios.doi.gov>, Joseph Balash <joseph_balash@ios.doi.gov>
CC:
Subject: Arctic Science data call
Attachments: USGS 1002 ongoing work to WS w pubs estimates for Dep Sec.xlsx

Team-

Just a follow up on Dep Sec's data call for Arctic research activities. Could you please use the attached excel as a template (adding one more column for anticipated publish or data release date) for all of your scientific research and enforcement actions that may have impacts to the eastern half of the US Arctic.

This includes subsistence research/enforcement, any science grants to the state or academia, or any international treaty work.

Jim/Mark- For your agencies this should focus on near shore/terrestrial, i.e. Polar Bear.

Can this get done in the next three weeks? This is a priority. If any of your DC offices delay the response to this data call please let me and your respective Assistant Secretaries (cc'd) know.

Steve Wackowski
Senior Adviser for Alaskan Affairs
Department of the Interior
[4230 University Drive, Suite 300](#)
[Anchorage, AK 99508](#)
907-271-5485

Project	USGS PI name	Region/Center	Partners	USGS FY18 funding	Other funding	Coastal Plain (1002 area) location of work
Polar bear movements and denning	Todd Atwood	Alaska/Alaska Science Center (ASC)	USFWS	\$422K (existing USGS Ecosystems), \$322K (additional USGS Ecosystems in FY18)		Off shore tagging
Polar bear population abundance estimate	Jeff Bromaghin	Alaska/Alaska Science Center (ASC)	USFWS	\$120K		Field work was completed in FY17 across the Southern Beaufort area including the 1002 Area
Polar bear aerial survey	Todd Atwood	Alaska/Alaska Science Center (ASC)	Canadian government (contract with University of St. Andrews, UK)	none		Field work was completed in FY17 across the range of the Southern Beaufort polar bear population including NW Canada
Fish of nearshore Beaufort Sea	Vanessa Von Biela	Alaska/ASC	USFWS, BOEM, University of Texas at Austin	\$196K USGS/BOEM Outer Continental Shelf Program		Coastal lagoons, estuaries and beaches
Shoreline change	Li Erikson	Pacific/Pacific Coastal & Marine Science Center	University of Texas at Austin, University of California Santa Cruz	\$50K USGS Natural Hazards		Coastal bluffs and beaches
Reprocessing vintage 2D seismic data of 1002 Area	David Houseknecht	Midwest/Eastern Energy Resources Science Center (EERSC)	BLM, BOEM	\$2M USGS Energy & Minerals (includes \$888K of FY17 money to be applied to reprocessing work carried out in 2018)		Across terrestrial locations of the 1002 and adjacent nearshore areas where ANWR seismic data was collected
Sample collection (field work) and laboratory analysis	David Houseknecht	Midwest/EERSC	FWS (logistical assistance), Alaska DNR (Geological & Geophysical Surveys, Division of Oil and Gas)	\$2.3M USGS Energy & Minerals		Across terrestrial locations of the 1002, adjacent state lands, and adjacent state and federal waters
Participate in leasing BLM workshops and transfer knowledge from ongoing research	David Houseknecht	Midwest/EERSC	USGS supporting mission of BLM	\$200K USGS Energy & Minerals		Across terrestrial locations of the 1002
Permafrost and climate data collection	Frank Urban	Southwest/Geosciences & Environmental Change Science Center	BLM, FWS (collaborators)	~\$20K USGS Climate and Land Use		Across northern AK including locations of the 1002
Caribou forage and movements	Heather Johnson	Alaska/ASC	Alaska Department of Fish and Game (ADF&G), Texas A&M University	\$350K USGS Ecosystems	\$75K ADF&G	Outside of 1002 area, but some tagged Central Herd animals migrate into 1002

Description of work	Anticipated products
Completion of reanalysis of habitat maps in 1002 Area (at request of Wackowski) using ifsar data; continuation of annual field work with special concentration in March 2018 on eastern Beaufort sea to increase observations of denning in the ANWR 1002 Area (using ear tags); field testing of collar modifications in 2019	Report on reanalysis of polar bear denning habitat using remote sensing (ifsar) techniques Jun 2018; Data release of den sites based on FY18 field work June 2019
Completion of spatially-explicit population estimates for the 1002 Area for the time period 2001 through 2016; statistical analysis underway Analysis and report to be completed by University of St. Andrews by Sep 2018; USGS plans to review the report to determine usefulness in ongoing population estimate work	USGS Open File Report to be delivered in Sep 2018 and external publications by Jun 2019 Release of aerial survey data ~Oct 2018
Repeating/recreating studies done in the 1980s to examine trends in fish communities; continuation of summer fish sampling (2017-2020) along ANWR coast to compare with 1988-1991 sampling	Annual data releases and summary reports; completion reports and publications after 2020
Continuing field work in summer 2018	Updated shoreline-change rates for coast between US-Canadian border and Icy Cape was released in Nov 2017, Long-term retreat of coastal permafrost bluffs, Barter Island, AK (to be presented at 5th European Conf. on Permafrost, Chamoix-Mont Blanc, France 23 Jun to 1 July 2018), Manuscripts in preparation (from previously collected data) Seven decades of shoreline change along the permafrost bound North Coast of AK 1940 - 2010; The use of spatial methane distribution in the identification of coastal permafrost instability; Evaluation of long-term rates and patterns of change to coastal permafrost bluffs at Barter Island, AK 1947-2017; Assessing patterns of annual change to coastal permafrost bluffs using aerial photography and structure-from-motion elevation models along the North Slope of Alaska; Aerial imagery and elevation data products of the north coast of Barter Island, AK; A GIS compilation of vector shorelines and associated shoreline change data for the coastal bluffs at Barter Island, AK
Contract awarded for reprocessing of vintage 2D seismic data; reprocessed data to be delivered in July 2018; interpretation and mapping based on that data through fourth quarter FY2018.	Updated oil and gas assessment of ANWR 1002 to be delivered by Jan 1, 2019 (technical reports, fact sheets)
Collect outcrop and well samples from external perimeter of 1002 Area, spring & summer 2018; conduct laboratory analyses on samples to determine petroleum prospectivity of region, summer & fall 2018.	Updated oil and gas assessment of ANWR 1002 to be delivered by Jan 1, 2019 (technical reports, fact sheets)
Provide support to BLM to inform preparation for lease sales in 1002 Area	Improved geological understanding for BLM to administer future lease sales (potential technical reports) and for industry to optimize future leasing decisions on the Alaska North Slope
Annual field work during summer 2018 possibly coincident with Houseknecht's field season; network is part of the Global Terrestrial Network for Permafrost (GTN-P)	Ongoing monitoring project since 1998; Last report/data release was 2014 for the period 1998-2011; Provisional data from 13 stations is available in near-real-time
Collaring and tracking animals through 2020, ongoing publication writing, new analysis of caribou habituation to existing infrastructure	External publications and USGS data release by Sep 2018