

# Division of Geological & Geophysical Surveys

## Arctic Slope Transportation and Resources Project

### Point Lay Sand & Gravel Project



## WHAT IS ASTAR?

The Arctic Slope Transportation and Resources (ASTAR) project is a partnership between the State of Alaska Department of Natural Resources (DNR), Department of Transportation & Public Facilities, and the North Slope Borough (NSB) with the goal of benefiting North Slope communities through infrastructure development.

**As part of this work, the Division of Geological & Geophysical Surveys (DGGs) will be identifying and evaluating potential sand and gravel resource distribution across NSB, including near the community of Point Lay.**

## WHAT KIND OF WORK WILL WE BE DOING?

Our fieldwork will consist primarily of two types of helicopter-supported work. Geologists will be dropped off and picked up from fieldwork sites by helicopter—in order to reduce our impact on the community, we will attempt to minimize the number of flights.

### Surface Exposure Fieldwork

Geologists will make observations, take notes, photograph, and collect small bags of sediment at locations where sand and gravel resources are accessible with minimal landscape disturbance.



### Power Auger Reconnaissance

At sites where material is not exposed on the surface geologists will drill one to two holes (~10–20 ft) and make observations.



## WHAT DO WE DO WITH THIS DATA?

After our fieldwork we will make our field data available through the DGGs website, and refine our in-progress surface materials maps. After data analysis is complete we will publish our materials maps and a final resource assessment, which will be available on our website: [dggs.alaska.gov](http://dggs.alaska.gov).

## WHERE WILL WE BE WORKING?



## HOW LONG WILL WE BE WORKING?

We plan to spend **up to 14 days near Point Lay between July 22 and August 8, 2023**. We chose these days to best minimize our overall impact to wildlife and subsistence activities.

### CONTACT US

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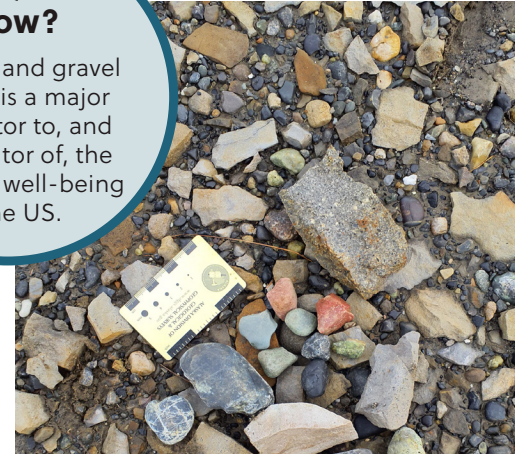


## WHY ARE SAND AND GRAVEL RESOURCES IMPORTANT?

Sand and gravel are used for a wide range of purposes, including road construction, water filtration, and erosion mitigation. As Alaska develops and maintains its infrastructure, it is essential to have adequate quantities of sand and gravel resources to support project-related work. In many areas of the state these materials are in short supply, are being rapidly depleted, or are not economically accessible, making it necessary to identify and characterize new resource locations.

### Did you know?

The sand and gravel industry is a major contributor to, and an indicator of, the economic well-being of the US.



## FIELD TEAM



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