Corps Supplement, Attachment 1: Jurisdictional Determination (JD)
Submit the JD with APMAs for all new applications (New and Existing Operations)

Operator/Company Name:	
APMA:	Corps permit # (for this APMA):
Waterway:	Date:

A jurisdictional determination (JD) is a Corps procedure used to determine whether a Section 404, Clean Water Act permit is required for a project. A JD includes:

- *Identification of streams, open waters, wetlands and uplands on a site*
- *Identification of wetland type (forested, scrub-shrub, emergent, shallow open water)*
- *Determination that streams at your site connect with downstream navigable waters*
- *Determination that wetlands abut or are adjacent to streams connecting to navigable waters*

The Corps uses information submitted to conduct an "offsite", "preliminary JD". For a preliminary JD, the Corps uses photos and landscape information, including fire history and previous disturbance, to determine presence of wetlands at your site. Using aerial photos, the Corps interprets photo signatures of vegetation communities, soil profiles, and hydrology patterns to make a "best available information" determination concerning the presence of wetlands.

Landscape Information:

A history of fire in a watershed may influence the presence of wetlands at a site.
Has this watershed been burned by fire? YES ☐ NO ☐

If yes, when?

Previous mining activities may influence the presence of wetlands at a site.
Has your site been previously mined? YES ☐ NO ☐

- If yes, when?
- What methods were used?
- Was it reclaimed? _____
- Please identify any previously disturbed areas on a copy of your plans, or aerial photo.

Aerial Photo:

For a preliminary JD, please provide a recent aerial photo of your operation. Photos may be available from your land manager. Google or Bing photos may be acceptable, however images must be clear, sharp and reproducible. Images from Alaska Mapper and high altitude infrared photos are generally not acceptable. *Photos should be at the highest resolution available.*

- Please indicate the location of your operation on the photo.

- Please outline a projected 5 year footprint of your operation on the photo.

Questionnaire with onsite photos:

Is the stream at your site: ☐ Straight ☐ Meandering ☐ Braided ☐ Incised

Stream photos: Photos taken from at or near ground level provide details to support information in the aerial photos**.**

☐ Please provide site photograph(s) of the stream that show (1) the valley and landforms at your site, (2) streambank conditions, (3) upstream and downstream view of the stream from various locations proposed for mining, and (4) vegetation community types in the riparian and floodplain.

Wetlands: Wetlands are identified by vegetation, soils, and hydrology.

Vegetation: What vegetation communities are present at your site, in mined and unmined areas? (Check all that apply.)

☐ Stunted spruce	☐ Willow shrubs	☐ Sedge or cottongrass
☐ Other spruce	☐ Alder shrubs	☐ Shrubby tundra
☐ Cottonwood	☐ Birch	☐ Aspen
☐ Other		

Soils: What is the composition of native soils at your site? (Check all that are present.)

☐ Cobbles ☐ Gravel ☐ Sand ☐ Silt ☐ Clay

What is the depth of non-pay overburden? _____feet

☐ Organic material (muck or peat) _____feet	☐ None
☐ Gravel _____ feet	☐ Depth to bedrock _____ feet

☐ *Please provide site photos of the soil layers under each vegetation community. Soil layers are particularly important for black spruce and tundra communities. You will need to dig a hole with a bucket or shovel, and include an object for scale.*

Hydrology:
Do you have permafrost (i.e.: ice, frozen ground) at your site?

YES ☐ NO ☐ How deep is unfrozen material over permafrost? _____

Do you have? (Check all that apply)
☐ Old settling ponds that have naturalized
☐ Saturated soil (Wet)
☐ Water table within 12 inches of soil surface (Wetter)
☐ Standing water (Wettest)

Please sign to accept a preliminary JD. A preliminary JD may not be appealed, however, you may at any time provide additional information to be considered.

Name: Date**:**