

**MATANUSKA-SUSITNA BOROUGH
FISH & WILDLIFE COMMISSION RESOLUTION SERIAL NO. FWC 25-02**

A RESOLUTION OF THE MATANUSKA-SUSITNA BOROUGH FISH AND WILDLIFE COMMISSION RECOMMENDING MATANUSKA-SUSITNA BOROUGH ASSEMBLY DIRECT ADMINISTRATION TO CLASSIFY KEY BOROUGH-OWNED PARCELS ON THE SHORE OF DESHKA RIVER AS WATERSHED LANDS TO PROTECT SALMON POPULATIONS.

WHEREAS, the Matanuska-Susitna Borough (MSB) Fish and Wildlife Commission (FWC) has reviewed the outcomes of a recent study on the temperature of water entering the Deshka River from adjacent groundwater seeps; and

WHEREAS, this new information shows that certain parcels supporting the cold-water inputs to the Deshka River are essential for maintaining healthy salmon runs on the river; and

WHEREAS, spatial variation in water temperature is a key feature of habitat complexity that contributes to the movement, resilience, and persistence of cold-water fishes, including salmonids; and

WHEREAS, during spawning migration, periods of high river temperatures can block migratory corridors and cause thermal stress or mortality; and

WHEREAS, the Alaska Department of Fish and Game (ADF&G) ranks the Susitna River drainage king salmon population as the fourth largest in the State of Alaska, with Deshka River

providing spawning and rearing habitat for approximately 20 percent of the Susitna River king salmon return on an annual basis; and

WHEREAS, during the 10-year period from 1997-2006 Deshka River king salmon spawning escapements averaged more than 33,000 fish per year and the Deshka River king salmon sport fishery was an important economic driver for the Matanuska - Susitna Borough; and

WHEREAS, even with no sport harvest allowed in 2023 and 2024, not a single Chinook salmon spawning escapement goal was attained anywhere in the Susitna River drainage; and

WHEREAS, unsustainability of Susitna River drainage Chinook salmon is a rapidly accelerating problem; and

WHEREAS, the Deshka River is also a very productive producer of coho salmon within the Susitna River drainage, with Deshka River coho salmon escapements used by ADF&G as a tool for managing coho salmon stocks throughout the entire Susitna River drainage; and

WHEREAS, economic studies in our region in 2007 and 2017 show the significant positive economic impact returning salmon have on the economy of the MSB, that included \$56 million in direct spending benefits to the MSB in 2017 alone, and there are additional economic benefits from healthy wildlife and fish

populations, both of which require adequate and quality habitat locally; and

WHEREAS, the FWC believes it is important that the MSB takes every available action to safeguard healthy salmon runs in local water bodies; and

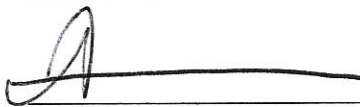
WHEREAS, the MSB can classify these parcels as watershed lands in recognition of the water quality function they provide that protects salmon habitat.

NOW, THEREFORE, BE IT RESOLVED, that the FWC recommends the Matanuska- Susitna Borough Assembly direct Borough Administration to bring forward legislation classifying key Borough- owned parcels on the shore of the Deshka River as "Watershed" Lands ADOPTED by the Matanuska- Susitna Borough Fish and Wildlife Commission this 13th day of March 13, 2025.



Peter Probasco, Chair

ATTEST:



Margaret Brown, Staff