

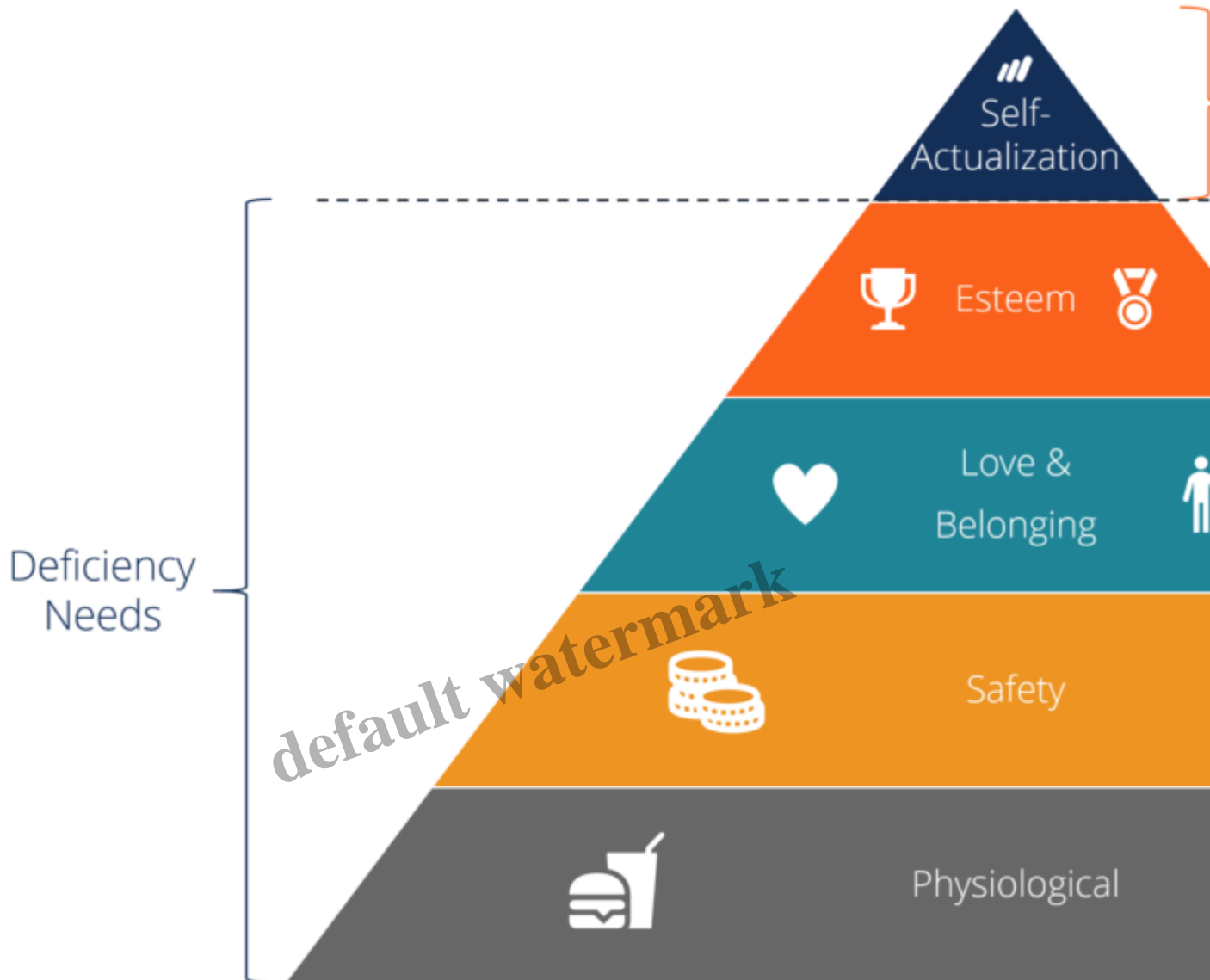
Alaska has Food Security Options

Description

Addressing Alaska's Hierarchy of Needs

This is an update of a story that first appeared February 10, 2021.

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Alaskans are generally stuck at the bottom of the 5-level pyramid of human needs defined in Abraham Maslow’s 1943 paper, *A Theory of Human Motivation*. His 1954 book “*Motivation and Personality*” expanded on this theory and remains a basic underpinning of modern sociology, psychology and management training. If humans are fulfilled in their needs—from the most basic to the most advanced—they ultimately reach some degree of *self actualization*.

[1]

Some might argue that after more than 60 years of statehood it’s time our elected officials demonstrated how we can realize some self-actualization for needs of Alaskans.

That is called VISION.

Over my own life, reaching self-actualization has meant thinking about what is important and exploring

HOW elevating my life from Physiological>Safety>Love and Belonging>Esteem can allow me to contribute to making Alaska a better place in which to live and share in the glory.

It's an evolving process.

1: Physiological needs are the lowest level of Maslow's hierarchy of needs. They are the most essential things a person needs to survive. They include the need for shelter, water, food, warmth, rest, and health. A person's motivation at this level derives from their instinct to survive.

Our Alaska economy keeps a lot of people at this basic level. We don't produce much and everything is more expensive. Housing is expensive and requires heat in winter from electricity and fossil fuels. Healthcare is expensive although we have a lot of people subsidized by the government. Many new arrivals to Alaska realize it is expensive to live here and return home after their Alaska Adventure.

And then there is the matter of food

As kids we Alaskans drank milk made from powder and ate a lot of cereal with sugar. Every magazine in the store had ten cents added on the cover cost for "shipping." When we ordered something from the catalog it sometimes had some production flaw but couldn't be shipped back because of the cost of shipping. Workers at the Sears warehouse in Chicago obviously knew that. Shipping costs inflate everything included on the ***Alaska Hierarchy of Needs***.

So now, a half century after it began, our oil bonanza is becoming another part of the state portfolio of income-producing commodities; furs, gold, fish, game, timber, minerals, Alaskans share the bounty of under the constitution. It's a given. **But what if our elected officials could do something to directly increase Physiological Needs of all Alaskans? Does the *State of Alaska* have something that would contribute qualitatively to everyone's Hierarchy of Needs?**

What about Food?



Ray Nix discussed Alaska Agriculture needs over coffee in Palmer

*The State of Alaska is the key player in natural resource development for agriculture, explained **Ray Nix**, former Natural Resource Manager for the **Matanuska-Susitna Borough**. Nix also worked 24 years with the **Alaska Department of Natural Resources**, over 10 years at the **Division of Agriculture**.*

*For the amount of land available, we have little agriculture production. **The challenges for a successful agriculture operation are sufficient infrastructure, viable products, and viable market.** If any one of those elements are lacking successful commercial agriculture cannot succeed. Small operations can be successful, can succeed, but expansion is limited if they don't have a road to the farm or power. Infrastructure is key.*

Eking out a subsistence living on 640 acres is not commercial agriculture. It is labor intensive and subject to the whims of nature. 700,000 Alaskans require more than what is currently available by valiant efforts for consistent nourishment. Resource managers have known this for a long time but how to spend money from natural resource development is much easier for elected officials to imagine than to determine how to invest wisely in Alaskan food sustainability for the future. Targeted investments to increase food security need to be addressed by the Department of Natural Resources.

*Alaska spends some \$3 Billion per year for imported beef, pork and chicken to feed Alaskans. Needs for true Alaska Food Security were previously discussed here: <https://donnliston.net/2020/06/how-can-alaska-gain-food-security.html>



The New Nenana Bridge to Totchaket

It's not that the state doesn't have agriculture land, the challenge is making that land available to support commercial agriculture. Nix continued. What we need is ag land at a reasonable rate to produce commercial agricultural food production.

One of the largest parcels of land left—just connected by a bridge across the Nenana River—is about 148,000 acres of state-owned ag land. That land currently doesn't have power or a road into the project area.

There is a bridge across the river but no real road into the project, added Nix. The state has some plans to develop it but I think when they do it is important that commercial food production operators gets an opportunity to participate, because for commercial agriculture to succeed—especially anything for livestock—will require significant amounts of acreage. You aren't going to find commercial operators willing to invest the amount of money it will require; there's no road, no railroad, no power, so the price of the land needs to be such—and enough of it available—to support a sustainable commercial food operation.

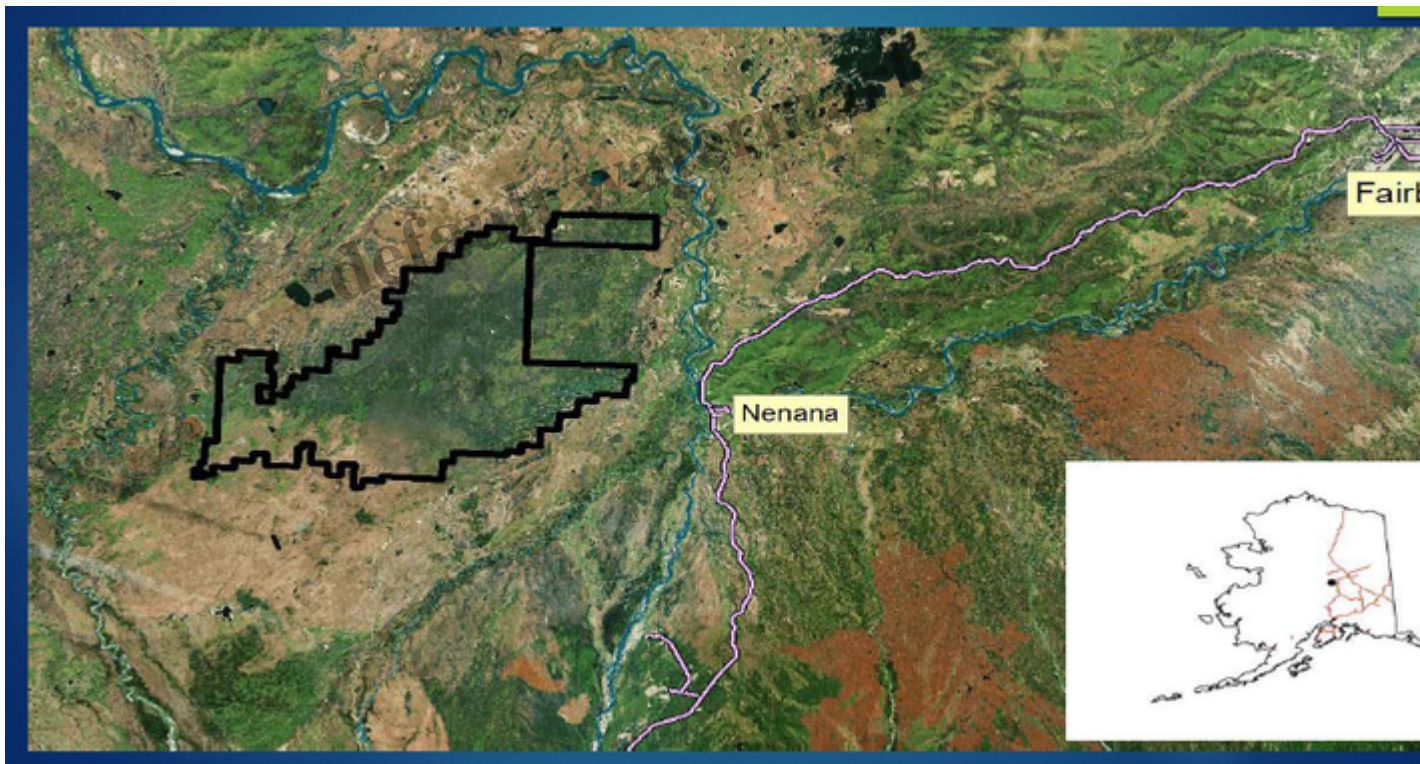
At our same general latitude in Canada a lot of the farms are 10-, 20-, 40-thousand acres dedicated to a single product—Livestock, according to Nix, That's a model that works. The Alaska model of 640-acre plots for ag land is not a successful model for a large livestock commercial operation. Alaskans need their legislators to engage and develop a mechanism whereby sufficient land is available to attract the amount of investment it will take to produce this product we say we want to produce.

When you have two legs of the stool it is a lot easier to get the third leg, continued Nix. If you have the market, and you have the product, all you need is the infrastructure. We have to solve that problem.

Where can this Happen?

Four decades ago former Nenana mayor, state senator, and Lt Governor, **Jack Coghill** was among the group who began the push for access to the rich natural resource area west of Nenana known as the Totchaket. In 2008 construction began on a road to the Nenana River and a bridge over a nearby slough. But seven years and \$9 million later, the project ground to a halt at the riverbank. Pilings had been sunk into the riverbed, but the city had run out of money to build the bridge and the state had stopped funding the project. Two years ago the local Native association stepped-up to help finish it and July 6, 2020 a celebration was held for the new bridge.

[2]

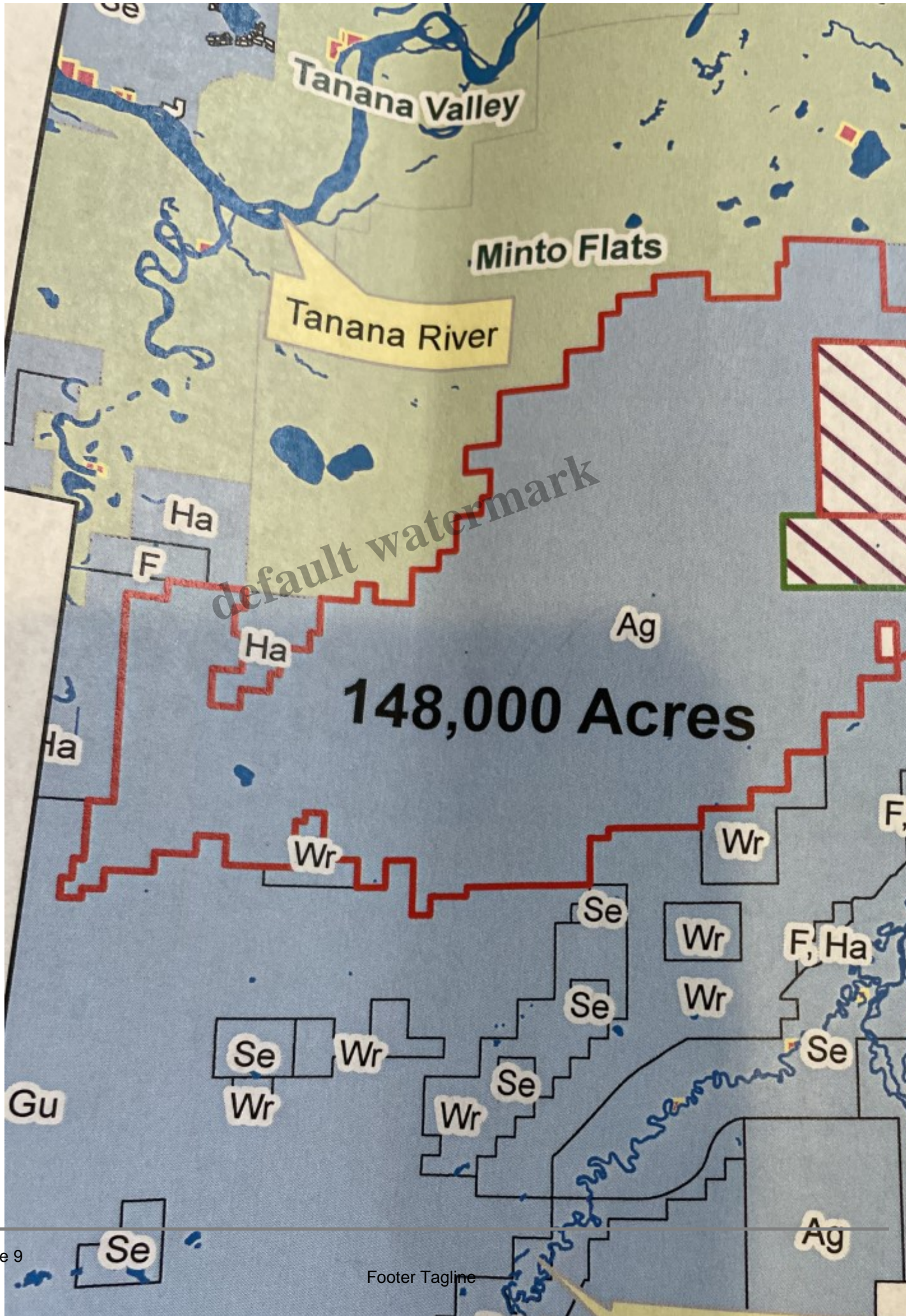


The bridge will improve access to hundreds of thousands of acres west of Nenana, including the 133,000-acre West Nenana Agricultural Project. (Graphic courtesy Alaska Rep. Dave Talerico)

Local leaders hope the bridge over the Nenana River will boost the area's economy through land sales and resource development, and provide more access to hunting and fishing, according to this report. Some 148,000 acres of state ag land will also be ready for development with sale beginning in 2022. How that land is distributed should be a major concern to the coming Alaska Legislature.

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Some small farms are needed in an area like this, explained Nix. We need a community to establish an agribusiness; that's what I like to call it. It's not just an agriculture operation, it an ag business. An ag business for livestock includes everything from growing your own feed, to feeding your own animals, to slaughtering your own animals to putting them on the market. Alaska needs big, commercial ag businesses that have enough land to graze the animals, to finishing the animals. They must be able to do all the business required. You could put several large farms like that together and I think they complement the small farmer, the 20-acre farmer or the 40-acre farmer.

Among the resource development options to make more money at Totchaket, what could be better use of this newly available land than to feed Alaskans?

We need to recognize, if you want protein for Alaska you are going to have to make a place for it, or we will never be able to expand, said Nix. Farmers need acreage to allow cattle to graze, they can't afford to feed them every day. They need land that develops an intrinsic value with infrastructure and food production. This investment by the State will increase the value of the land by causing communities to develop.

This is a project all Alaskans will realize benefits from for the next century if infrastructure construction can be started now.

Nix continued: The mechanism for a true ag business may appear to lose money at first but it could be done with production credits or something like that. We need some way to solve the problem of allowing a big business to come in and invest in the infrastructure necessary to provide livestock food security. Without knowing their investment is secure big investors won't do it, and without a plan we cannot do it.

A state endowment to provide food security

Since the 1930s **Matanuska Colony Project**, an agriculture community has developed in the Mat-Su/Delta breadbasket of Alaska. That community is also doing all it can to develop youth to carry on agriculture traditions while diversifying the gene stock of Alaska livestock.

[3]



Over recent years Alaskans have taken steps to develop agriculture with gardens, and farmer’s markets and associated activities, but the demand for beef and pork is too great to supply solely in-state.

[4]

The Alaska Division of Agriculture in mid-January (2021) announced a new “micro-grants for food security” program, funded by a \$1.8 million appropriation from the 2018 US Farm bill placed by the Alaska Congressional delegation. The goal of the program is to increase the quantity and quality of locally grown produce through specialty farming funded by small grants.

http://dnr.alaska.gov/ag/ag_grants.htm

Another critical area for increased agriculture production can happen in Southcentral Alaska with investment in infrastructure on land between the Little Susitna and Big Susitna Rivers. Known as the *Fish Creek Management Area*, the *Mat-Su Borough* owns about 8,000 to 10,000 acres of good agriculture land here. North of that the State owns some land as well.

Again, a bridge across the Little Su will be necessary to get to it. Once in production the option of another bridge across the Big Su will provide access to the state ag land.

A study by the state, called the ***West Susitna Access Project***, has brought attention to this area.⁴ The Legislature needs to consider funding this agriculture project, not just the big project going on there for resource extraction. With a road into the borough land another 8-10 thousand acres extending over to the Big Su becomes available.

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From the ADOTPF Report:

While nearly the size of Vermont, the Study Area has a diverse natural resources base. These natural resources include hardrock minerals, placer gold, coal, oil and gas, forestry/timber, agriculture, alternative energy options, and recreational resource opportunities, such as sportfishing and hunting. Surface access to most of this area, however, is minimal or non-existent. This study aims to identify locations that may benefit from a proposed surface connection and evaluates the potential access routes.

The objectives of this study report are to:

- Identify resource development opportunities west of the Susitna River.
- Identify one or more potential crossings of the Susitna River.
- Identify one or more potential transportation corridors to access identified resources

*They developed the plan for what was originally called the **Fish Creek Ag Project** back in 1982, Nix continued. It changed over time and went in a different direction. At the Borough we changed it back to identify those ag parcels that are important for the Southcentral Region because there aren't many more. We also talked about those (state) parcels on the other side of the Big Su, they are important, too.*

Mat-Su area legislators, and a governor from the Mat-Su, could do something really important in the coming session for the benefit of all Alaskans. Availability of Alaskan-produced food enough to sustain all residents is something worth working for.

We're doing what can be done, concluded Nix. We can haul livestock in, or we can bring meat in boxes, but when the boxes aren't coming and the trucks aren't running—as happened in the pandemic—what do you do then? Some grabbed toilet paper! Frankly speaking, toilet paper was the least of MY worries.”

References:

[1]Corporate Finance Institute; Maslows Hierarchy of Needs

<https://corporatefinanceinstitute.com/resources/knowledge/other/maslows-hierarchy-of-needs/>

Learn how psychology relates to financial analysis. Corporate Finance Institute offers a behavioral finance course for those interested in how psychology affects investing decisions!

[2]New bridge opens access to land and economic opportunity west of Nenana, Tim Ellis, July 29, 2020

<https://www.knba.org/post/new-bridge-opens-access-land-and-economic-opportunity-west-nenana>

[3]Who Dares to Farm in Alaska?

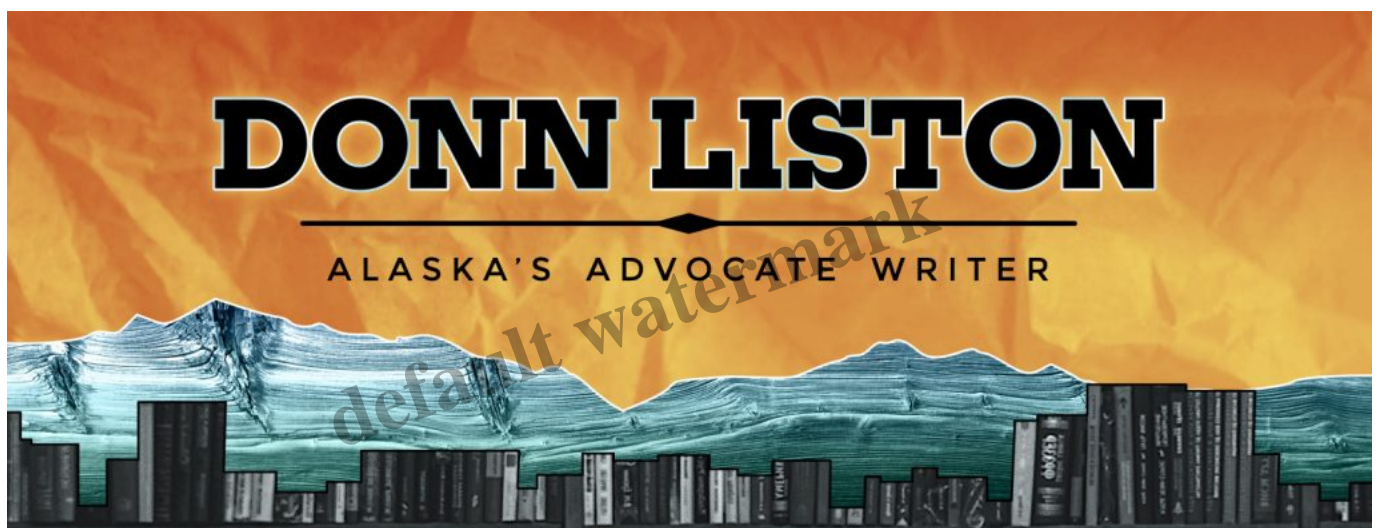
<https://donnliston.net/2020/09/who-dares-to-farm-in-alaska.html>

[4]Who is Making a Difference?

<https://donnliston.net/2020/12/who-is-making-difference.html>

[5]The Alaska Division of Agriculture “micro-grants for food security” program

http://dnr.alaska.gov/ag/ag_grants.htm



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