



# LEGAL SERVICES

DIVISION OF LEGAL AND RESEARCH SERVICES  
LEGISLATIVE AFFAIRS AGENCY  
STATE OF ALASKA

(907) 465-3867 or 465-2450  
FAX (907) 465-2029  
Mail Stop 3101

State Capitol  
Juneau, Alaska 99801-1182  
Deliveries to: 129 6th St., Rm. 329

## MEMORANDUM

February 6, 2007

**SUBJECT:** Aquatic Farming Permits (HB 26; Work Order No. 25-LS0179AK)

**TO:** Representative Paul Seaton  
Attn: Katie Shows

**FROM:** Brian J. Kane *BJK*  
Legislative Counsel

You have requested an opinion regarding four issues brought up by the Department of Fish and Game that relate to HB 26.

(1) The department suggested the phrase "fisheries administrative area" be used in section 2 of the bill instead of "fisheries management area" (with a conforming change to "management area" in section 1). The exact phrase suggested by the department does not appear in statute anywhere, but "administrative area" is referenced in the definition of "fishery" in AS 16.05.940(14). The phrase "management area" is defined in AS 29.60.450(f)6 as "one of the geographical units designated by the Board of Fisheries by regulation adopted under AS 16.05.251(a)(2) for the management of commercial fisheries of the state. . . ." Using this definition, which references AS 16.05.251, I opted to use the phrase "fisheries management area," which was also the phrase used in the initial request by your office, to describe the units to which the bill refers. However, the phrase "fisheries administrative area" could just as easily be used in this bill without resulting in any material difference.

(2) The department, according to the fax from your office, stated that "allowing the unconstrained transfer of geoduck seed as proposed by section 2 of the bill is inconsistent with and would override the intent expressed in existing statutes including" AS 16.35.210 and AS 16.40.105(3). The recorded "legislative intent" that is attached to AS 16.35.210 is addressed toward private landowners only, so is not at issue here. The text of AS 16.35.210(a) provides the following exception to its prohibited activities: "unless permitted by AS 16.05 - 16.40 or by a regulation adopted under AS 16.05 - 16.40." The bill in question adds a new section to AS 16.40 and is thus placed within the range of statutes for the exception in AS 16.35.210. Basically, the proposed AS 16.40.145 would be "permitting" the geoduck transfer.

(3) The department, according to the fax from your office, stated that "section 2 might be interpreted to allow transfers to unpermitted hatcheries or farms because it requires consistency with AS 16.40.140(b) - (d) but does not reference (a) which generally

Representative Paul Seaton

February 6, 2007

Page 2

prohibits transfer of stock to a farm or hatchery within the state unless that farm or hatchery has a permit under 16.40.140." From my understanding, one of the objectives of this bill was to allow a certified hatchery to transfer geoduck seed to *any* aquatic farm located in the specified fisheries management (or administrative) area. Hence, section 2 of the bill is drafted so that hatcheries falling under this section only needed to be consistent with AS 16.40.140(b) - (d). One possible option to remedy this concern would be to add language in AS 16.40.140(a) noting the exception created by the proposed AS 16.40.145.

(4) The department, according to the fax from your office, stated that "allowing the unconstrained transfer of geoduck seed as proposed in section 2 of the bill would also require modification to regulations adopted based on current statutes. . . ." Whether or not regulations need to be modified is a decision to be made by the commissioner or the Board of Fisheries. I believe that statutes are amended without taking into account the impact upon regulations, and that the regulations should then be adopted or amended to conform with the existing statutes.

BJK:ljw

07-057.ljw



## **What is a GEODUCK?**

HB 26 – Expanding Geoduck Farming  
House Fisheries  
February 2, 2007

# Geoduck

From Wikipedia, the free encyclopedia

The **geoduck** (pronounced /ˈɡuːiː.dʌk/ i.e. "gooey duck"[1]), *Panopea abrupta* or *Panopea generosa*, is a species of large saltwater clam, also known as the **king clam** or **elephant trunk clam**.

The name is derived from a Nisqualli First Nation word meaning "dig deep", and its phonemically counterintuitive spelling is likely the result of poor transcription. Alternate spellings include *gweduc*, *gweduck* and *goiduck*.

Native to the Pacific Coast of the United States and Canada (primarily Washington, British Columbia, and Southeast Alaska), it is the largest burrowing clam in the world, weighing in at an average of one to three pounds (0.5 - 1.5 kg) at maturity, but specimens weighing over 15 pounds (7.5 kg) and as much as 2 meters (6 ft) in length are not unheard of.


It has a life expectancy of about 146 years, with the oldest recorded at over 160 years. This makes the Geoduck one of the longest-living organisms in the Animal Kingdom.

Scientists speculate that the geoduck's longevity is the result of low wear and tear. A geoduck sucks plankton down through its long siphon, filters them for food and ejects its refuse out through a separate hole in the siphon. Adult geoducks have few natural predators, which may also contribute to their longevity. In Alaska, sea otters and dogfish have proved capable of dislodging geoducks; starfish also attack and feed on the exposed geoduck siphon.

Geoducks are broadcast spawners. A female geoduck produces about 5 billion eggs in her century-long lifespan—in comparison, a human female produces about 500 viable ova during the course of her life. It is possible that this fact, in conjunction with the phallic shape of the siphon, has led to the belief that the shellfish has aphrodisiac properties.

## Industry and impact

The world's first geoduck fishery was created in 1970, but demand for the semi-forgotten clam was low. Today, they sell in Asia for up to US\$30/lb (US\$65/kg). The Jumbo clam, like abalone, is highly regarded in Chinese cuisine. Its large, meaty siphon is prized for its savory (umami) flavor and crunchy texture. It is extremely popular in Hong Kong, China and Japan, where it is considered a rare tasty treat. Geoduck is mostly eaten cooked in a fondue-style Chinese hot pot or raw sashimi style, dipped in soy sauce and wasabi. On Japanese menus, geoduck is called *mirugai* or *mirukuigai*. (Although mirugai is sometimes translated to English as "Giant Clam", it is distinguished from "Himejako" sushi made from *Tridacna gigas*.)

<b>Geoduck</b>

Pacific geoduck clam
<b>Scientific classification</b>
Kingdom: Animalia
Phylum: Mollusca
Class: Bivalvia
Order: Myoida
Family: Hiatellidae
Genus: <i>Panopea</i>
Species: <i>P. abrupta</i>
<b>Binomial name</b>
<i>Panopea abrupta</i> Conrad, 1849



Seafood Geoduck display in a Chinese restaurant with price

The geoduck's high market value has created an 80-million-U.S.-dollar annual industry, with harvesting occurring in both Washington state and the province of British Columbia. It is one of the most closely regulated fisheries in both countries; in Washington, Department of Natural Resources staff are on the water continually, monitoring harvests, and the same is true in Canada where the Underwater Harvesters' Association manages the Canadian Fishery in conjunction with Canada's Department of Fisheries and Oceans. Demand has also led to a rapidly developing aquaculture industry.

Geoduck aquaculture on private tidelands in Puget Sound, particularly in South Puget Sound, has been steadily growing over the last ten years, averaging

about 10 new acres of cultivation per year. Currently less than 0.001% of Puget Sound is dedicated to geoduck farming. Geoduck farms use "predator exclusion devices" in which to plant the seed geoducks. These devices are 10-14 inch long, 4-6 inch diameter PVC pipes pushed into the sediment of the tideland. There are approximately 20,000 to 43,500 of these PVC pipes planted per acre on tidelands. These nursery tubes typically stay in the beach for the first one to two years of a crop cycle.

The Environmental Defense Fund has done extensive studies of aquaculture and has found that bi-valve aquaculture like geoduck clams are very beneficial to the marine environment. {Goldburg, Rebecca, et al. "Marine Aquaculture in the United States," as prepared by Environmental Defense for Pew Oceans Commission, 2001.} The primary reason for this is because geoduck clams are filter feeders and eat micro algae which proliferates as more nitrogen enters the marine ecosystem. Increases in nitrogen are due to more septic systems as well as bigger flows from city sewage systems throughout Puget Sound, increasing quantities of pet wastes, and increased fertilizer use from farms and lawns. When farmed geoduck clams (which ingest and retain nitrogen in their tissues) are harvested there is a net reduction in nitrogen in the marine ecosystem.

It should be noted that the water must be certifiably clean in order to plant geoducks commercially. This is a requirement of the Washington State Department of Health, and of the Interstate Shellfish Sanitation Council.

While some communities in Puget Sound have installed state of the art septic systems to comply with efforts by environmental groups and state officials to clean up Puget Sound, more than 3000 acres (12 km<sup>2</sup>) of shellfish beds have been lost to farming between 1992 and 2004 due to fecal contamination from human activities and development. Substantial portions of the state's shorelines are already so developed or degraded that they are unsuitable for harvesting, and other areas continue to follow suit.

Some shoreline owners have expressed concerns including aesthetics, effects on native geoduck populations, wildlife interactions, farm debris, and harvest techniques. Although some marine shoreline owners take issue with the visual impacts, the tubes are actually only visible 2-3% of daylight hours over a 6-year crop cycle. The reason for the low visibility is because geoduck are farmed in the lower

elevations of the beach and are covered by water most of the time. However, since the lowest tides in the summer are during mid-day, the visual impact of the tubes is greatest at the very time when the people of Puget Sound are likely to be exploring the beach. During the summer, farms are visible for as much as 5 hours during the day, every other week.

Effects on native geoduck populations from geoduck farming will be minimal to non-existent. Each year new hatchery brood stock is taken from the wild stock. Farmed animals are not used as brood stock so genetically, farmed geoduck are the same as wild stocks. Moreover, wild geoduck occupy the intertidal zone down to 300 feet below sea level. DNR and the tribes co-manage the wild fishery and only harvest geoduck between the -18 to -70 foot depths. Most of the wild geoduck stock is left untouched and unaltered.

Wildlife interactions are a concern and geoduck growers are adapting growing techniques to minimize these effects. A biological assessment examining the impacts of geoduck farming was completed and no long term effects on threatened or endangered species were identified.

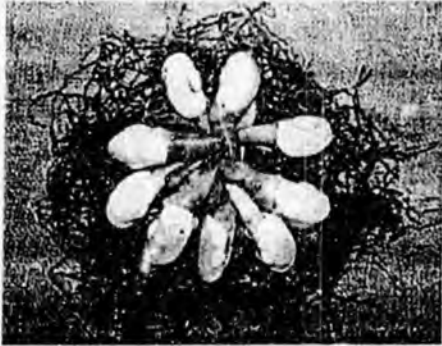
Farm debris includes displaced net tops, rubber bands, and tubes. The netting tops used on the nursery pipes can come off and float away onto other beaches as debris and the rubber bands also can become debris in Puget Sound. To offset these environmental impacts most geoduck farmers have been embraced environmental codes of practice including regular maintenance and debris clean-up of their own farms. In addition, the industry now does two annual beach cleanups to collect marine debris from all beaches in areas where they farm. Although as much as 20% of the debris collected in each cleanup has been aquaculture related, less than 5% of the 120 cubic yards collected to date has been related to geoduck farming. Unfortunately, because of the currents in Puget Sound, nets and tubing can be found far from any poorly maintained geoduck operations.

Harvesting takes place every 4-6 years. Water pressure hoses using up to 50 gallons of water per minute are used to liquefy the sediment in order to extract the geoducks. There are limited impact studies related to intertidal harvest of geoduck as of August 2006, although the sub-tidal environmental impact studies done for the fisheries in BC and WA have found no detrimental effects in harvesting the clams. Geoduck farming is only conducted in clean, uncontaminated sediments so concern is limited to short term increases in turbidity and short term effect on benthic organisms. It should be noted that the Department of Natural Resources of Washington State conducted the environmental impact study. DNR is itself in the business of leasing subtidal lands for commercial geoduck harvest and starting this year, intertidal lands for commercial geoduck farming.

Compared to terrestrial farming, shellfish farming in general and geoduck farming in particular produces high quality protein using natural systems without the use of antibiotics, fertilizers, herbicides, or pesticides.

## Geoducks: Southeast Gets a Toehold in the Market World's Largest Burrowing Clam Can Live 140 Years

By Amy Carroll



Geoducks can live for decades; growth rings on their shells have shown that some geoducks live more than 140 years.

Geoducks are the world's largest burrowing clam. Pronounced "goeey-duck," they aren't gooey and they aren't ducks. Their name is derived from a Nisqually Indian term meaning "dig deep."

There has been a small commercial geoduck fishery in Southeast Alaska since the early 1980s. With the intent to diversify the state economy and highlight Alaska seafood in the world market, the Aquatic Farm Act of 1988 allowed The Alaska Department of Fish and Game (ADF&G) to issue permits for construction and operation of aquatic farms and hatcheries.

However, it wasn't until 2002 that the profit potential of the geoduck harvest really took off. That's when the Alaska Department of Environmental Conservation and Southeast Alaska Regional Dive Fisheries Association (SARDFA) established a more efficient Paralytic Shellfish Poisoning (PSP) monitoring plan. Test results are posted online immediately after being entered into the database, which allows more of the geoducks to enter the market live, not processed. The market price for live geoducks is \$5 to \$10 a pound, for processed it is less than \$1 a pound. According to SARDFA, 90 percent of the 2004-2005 commercial season harvest was delivered live.

Not surprisingly, interest in geoduck farming has skyrocketed. "In the recent 2005 aquatic farm opening, over 97 percent of the 141 proposed aquatic farm sites are for culturing geoducks," said Cynthia Pring-Ham, Mariculture Coordinator for ADF&G.

Currently, most of Alaska's 400,000 pound geoduck harvest is destined for Hong Kong and China, where they sell for up to \$30 a pound. Their texture has been variously described as sweet, crunchy, or rubbery.

"They are not necessarily as palatable to the North American market. They are considered a delicacy in Asian markets," said Pring-Ham.

The most prized meat is the siphon, eaten raw, sashimi style with soy sauce and wasabi, or cooked in Chinese hot pot soups.

Prime geoduck harvesting areas in Southeast Alaska include Ketchikan's Gravina Island, Craig, Mellakalla, Wrangell, and Symond's Bay near Sitka.

Geoducks reach sexual maturity at three years. After five to 10 years, when their weight is between two and four pounds, they are considered harvestable. They will continue to grow until they are about 15 years old and can reach weights of 14 pounds.

"In Washington state it takes seven years for geoducks to reach a harvestable weight of two pounds, but the waters are colder up here so they may grow slower in Alaska," Pring-Ham said. "We don't have complete growth data yet, since the most mature cultured geoducks at permitted farm sites are only three years old."

The average age of geoducks harvested commercially in Alaska is 44 years.

Wild geoducks reproduce by "broadcast spawning" - releasing eggs and sperm into the water and relying on the movement of the water to unite them. Within 40 to 50 days, the immature geoducks will slowly burrow into the muddy ocean floor at the rate of about one foot a year.

When they are about three feet deep, they settle in for life, unable to move from their burrows. A geoduck siphon may stretch to over three feet to reach the sea floor. Geoducks are filter feeders, sucking in water through the incurrent siphon to extract plankton, and pushing the remaining water out through their excurrent siphon.

Growth rings on their shell have shown that some geoducks can live for over 140 years.

Pring-Ham manages the mariculture program and issues permits for aquatic farms in Southeast Alaska. "We also do site inspections and provide technical assistance, guidance and training to farmers," she said.



Buried in the ocean floor, geoducks are filter feeders, sucking in water through the incurrent siphon to extract plankton, and pushing the remaining water out through their excurrent siphon.

Every two years, the Department of Natural Resources (DNR) provides an opening from January to April to apply for a tidal submerged land lease. A lengthy, multi-agency six-month review of the application is completed; and if it meets all the state regulatory review standards, a lease from DNR and an operation permit from ADF&G are issued for a 10-year period. An average geoduck farm site is about six acres.

Sites must be surveyed to make sure that there are no more than 12,000 pounds of wild geoducks already existing on the farmsite. Recent legislation and court rulings have made it clear that sites that attract or support a commercial fishery will not be granted an operation permit. The department is working with the farmers to find ways to decrease the survey costs and time that it takes to do them, so data is more readily available to the department for making this decision. Delays in issuing the permit may occur due to current limitations on how many surveys can be done by the department each year.

Harvesting geoducks is no walk on the beach. They are usually found in water 25 to 100 feet deep, and then another three feet down in the muddy sea floor.

Harvesting is usually by "hookah" diving – wearing a drysuit and breathing air through a hose to the surface. This allows divers to stay down longer and work harder without the inconvenience of scuba tanks. Divers carry an air hose, or "stinger," used to blow the mud and silt away from a geoduck. The blast from a stinger can stir up so much bottom silt that divers can no longer see, and must extract the geoduck by feel. Great care must be taken not to injure the geoduck's neck or shell.

Other countries are looking to contribute to the lucrative geoduck market, Pring-Ham said. "China is starting to produce hatchery-raised geoduck seed for farming, so this may mean potential competition for the U.S."

## Article 2. Aquatic Farming.

### Section

- 100. Aquatic farm and hatchery permits
- 105. Criteria for issuance of permits
- 110. Permit application, renewal, and transfer
- 120. Aquatic stock acquisition permits
- 130. Importation of aquatic plants or shellfish for stock
- 140. Limitation on sale, transfer of stock, and products

### Section

- 150. Disease control and inspection
- 155. Records and reports confidential
- 160. Regulations
- 170. Penalty
- 199. Definitions

**Cross references.** — For legislative findings and policy in connection with the enactment of AS 16.40.100 — 16.40.199, see § 1, ch. 145, SLA 1988 in the Temporary and Special Acts; for applicability to persons operating an aquatic farm or related hatchery on June 9, 1988, see § 18, ch. 145, SLA 1988 in the Temporary and Special Acts.

**Legislative history reports.** — For legislative letter of intent for ch. 145, SLA 1988 (HCS CSSB 514 (Ris)), which enacted AS 16.40.100 — 16.40.199, see 1988 House Journal 3716.

**Sec. 16.40.100. Aquatic farm and hatchery permits.** (a) A person may not, without a permit from the commissioner, construct or operate

- (1) an aquatic farm; or
- (2) a hatchery for the purpose of supplying aquatic plants or shellfish to an aquatic farm.

(b) A permit issued under this section authorizes the permittee, subject to the conditions of AS 16.40.100 — 16.40.199 and AS 17.20, to

- (1) acquire, purchase, offer to purchase, transfer, possess, sell, and offer to sell stock and aquatic farm products that are used or reared at the hatchery or aquatic farm; and
- (2) except as provided in (f) of this section, harvest and, without further cultivation, sell an insignificant population that may be present at the aquatic farm site of a wild stock of a shellfish species intended to be cultured at the site.

(c) The commissioner may attach conditions to a permit issued under this section that are necessary to protect natural fish and wildlife resources.

(d) Notwithstanding other provisions of law, the commissioner may not issue a permit under this section for the farming of, or hatchery operations involving, Atlantic salmon.

(e) Upon the expiration or termination of a permit issued under this section, a person who holds a permit for an aquatic farming site where wild stocks of shellfish indigenous to the site are cultured shall, as a condition of the permit, restore the wild stock of shellfish, as consistent with sustained yield management of the wild stock, to the population level that existed on the site when the permit for the site was initially issued by the commissioner. A permit holder is not required to restore that portion of the wild stock of shellfish that was removed from an aquatic farming site by a common property fishery conducted after the issuance of the permit for the aquatic farming site.

(f) If the wild stock of a shellfish species to be cultured at an aquatic farm site exceeds the amount determined by the department to be an insignificant population and if the commissioner determines in writing that removal from the site of that portion of the stock that exceeds an insignificant population would benefit the public and that removal of the stock by a person other than the permittee would unreasonably interfere with the operation of the aquatic farm, the commissioner may authorize the permittee to remove and sell the excess amount of the wild stock from the site, if the permittee pays reasonable compensation, as defined by the department, to the department for the harvest and sale of the excess wild stock. The department shall deposit the money received under this subsection into the general fund. The legislature may appropriate the money received under this section to the department for shellfish management and

enhancement. (§ 2 ch 145 SLA 1988; am § 7 ch 72 SLA 1998; am § 1 ch 81 SLA 2002; am §§ 1 — 3 ch 13 SLA 2005)

**Effect of amendments.** — The 2002 amendment, effective June 21, 2002, added subsection (e). The 2005 amendment, effective July 1, 2005, in

subsection (b) added the paragraph designations and rewrote paragraph (2); added the last sentence in subsection (e); and added subsection (f).

NOTES TO DECISIONS

**Application of article.** — This article empowers the Alaska Department of Fish and Game to grant, or entitles the holder of an operation or stock acquisition permit to claim, exclusive rights to harvest and sell existing wild geoduck stocks. Alaska Trademark Shellfish, LLC v State, 91 P.3d 953 (Alaska 2004).

**Exclusive rights to existing wild stocks.** — This section, the operation permit statute, neither states

nor implies that a right to harvest and sell wild stocks arises from an operation permit; by requiring all aquatic "farm products" and "stock" acquired or sold by an aquatic farm to be "used or reared at" the farm, this provision precludes harvesting unfarmed, wild geoduck stock for the purpose of sale. Alaska Trademark Shellfish, LLC v State, 91 P.3d 953 (Alaska 2004).

**Sec. 16.40.105. Criteria for issuance of permits.** The commissioner shall issue permits under AS 16.40.100 on the basis of the following criteria:

(1) the physical and biological characteristics of the proposed farm or hatchery location must be suitable for the farming or the shellfish or aquatic plant proposed;

(2) the proposed farm or hatchery may not require significant alterations in traditional fisheries or other existing uses of fish and wildlife resources;

(3) the proposed farm or hatchery may not significantly affect fisheries, wildlife, or their habitats in an adverse manner;

(4) the proposed farm or hatchery plans and staffing plans must demonstrate technical and operational feasibility; and

(5) the proposed farm site may not include more than an insignificant population of a wild stock, on the site, of a shellfish species intended to be cultured. (§ 2 ch 145 SLA 1988; am § 4 ch 13 SLA 2005)

**Effect of amendments.** — The 2005 amendment, effective July 1, 2005, added paragraph (5) and made related stylistic changes.

**Editor's notes.** — Section 7, ch. 13, SLA 2005,

provides that (5) of this section does not apply to an aquatic farm permit issued under AS 16.40.100 before July 1, 2005, until the permit's expiration or termination.

NOTES TO DECISIONS

**Quoted in** Alaska Trademark Shellfish, LLC v State, 91 P.3d 953 (Alaska 2004).

**Sec. 16.40.110. Permit application, renewal, and transfer.** (a) An applicant for an aquatic farming or hatchery permit required under AS 16.40.100 shall apply on a form prescribed by the commissioner. An application for a permit must include a plan for the development and operation of the aquatic farm or hatchery, which must be approved by the commissioner before the permit is issued.

(b) An application for renewal or transfer of a permit must be accompanied by fees required by the commissioner, a report of the disease history of the farm or hatchery covered by the permit, and evidence that satisfies the commissioner that the applicant has complied with the development plan required under (a) of this section. The commissioner may require a health inspection of the farm or hatchery as a condition of renewal. The department may conduct the inspection or contract with a disease diagnostician to conduct the inspection.

(c) A person to whom a permit is transferred may use the permit only for the purposes for which the permit was authorized to be used by the transferor, and subject to the same conditions and limitations. (§ 2 ch 145 SLA 1988)

**Sec. 16.** aquatic pla to an aqua person hol

(b) An t quantities stock to

(1) an a

(2) the

(c) The may attac place, and applicable not apply and game

(d) The that the p disrupt e tence use permit ap under AS establish basis for

(e) Th and man

(f) Ex section,

(1) wi

(2) th species :

(3) wi subsiste

(4) w

(g) A become

(§ 2 ch

**Scope** to harves poses em tion perr under th

**Sec.** may nc stock t Fisher

**Sec.** privat from t under aquat

**Sec. 16.40.120. Aquatic stock acquisition permits.** (a) A person may not acquire aquatic plants or shellfish from wild stock in the state for the purpose of supplying stock to an aquatic farm or hatchery required to have a permit under AS 16.40.100 unless the person holds an acquisition permit from the commissioner.

(b) An acquisition permit authorizes the permit holder to acquire the species and quantities of wild stock in the state specified in the permit for the purposes of supplying stock to

- (1) an aquatic farm or hatchery required to have a permit under AS 16.40.100;
- (2) the department.

(c) The commissioner shall specify the expiration date of an acquisition permit and may attach conditions to an acquisition permit, including conditions relating to the time, place, and manner of harvest. Size, gear, place, time, licensing, and other limitations applicable to sport, commercial, or subsistence harvest of aquatic plants and shellfish do not apply to a harvest with a permit issued under this section. The commissioner of fish and game shall issue or deny a permit within 30 days after receiving an application.

(d) The commissioner shall deny or restrict a permit under this section upon finding that the proposed harvest will impair sustained yield of the species or will unreasonably disrupt established uses of the resources by commercial, sport, personal use, or subsistence users. The commissioner shall inform the Board of Fisheries of any action taken on permit applications for species that support commercial fisheries subject to limited entry under AS 16.43 and of any permits denied because of unreasonable disruption of an established use. A denial of the permit by the commissioner must contain the factual basis for the findings.

(e) The Board of Fisheries may adopt regulations for the conservation, maintenance, and management of species for which an acquisition permit is required.

(f) Except as provided in (d) of this section or in a regulation adopted under (e) of this section, the commissioner shall issue a permit if

- (1) wild stock is necessary to meet the initial needs of farm or hatchery stock;
- (2) there are technological limitations on the propagation of culture stock for the species sought;
- (3) wild stock sought is not fully utilized by commercial, sport, personal use, or subsistence fisheries; or
- (4) wild stock is needed to maintain the gene pool of a hatchery or aquatic farm.

(g) Aquatic plants and shellfish acquired under a permit issued under this section become the property of the permit holder and are no longer a public or common resource.

(§ 2 ch 145 SLA 1988)

#### NOTES TO DECISIONS

**Scope of stock acquisition permits.** — No right to harvest wild products for general commercial purposes emerges under this section, the stock acquisition permit statute; stock acquisition permits issued under this section only allow their holders to acquire

wild stock for limited purposes: To supply stock to the Alaska Department of Fish and Game or to a licensed aquatic hatchery or farm *Alaska Trademark Shellfish, LLC v. State*, 91 P.3d 953 (Alaska 2004).

**Sec. 16.40.130. Importation of aquatic plants or shellfish for stock.** A person may not import into the state an aquatic plant or shellfish for the purpose of supplying stock to an aquatic farm or hatchery unless authorized by a regulation of the Board of Fisheries. (§ 2 ch 145 SLA 1988)

**Sec. 16.40.140. Limitation on sale, transfer of stock, and products.** (a) A private hatchery required to have a permit under AS 16.40.100 may sell or transfer stock from the hatchery only to an aquatic farm or other hatchery that has a permit issued under AS 16.40.100, except that shellfish stock may also be sold or offered for sale to an aquatic farm or related hatchery outside of the state.

(b) Stock may not be transferred to or from an aquatic farm or hatchery required to have a permit under AS 16.40.100 without prior notice of the transfer to the commissioner. A notice of transfer shall be submitted at least 45 days before the proposed date of transfer.

(c) A notice of transfer must be accompanied by a report of a health inspection of the stock. The department shall conduct the inspection or contract with a disease diagnostician to conduct the inspection. The cost of inspection shall be borne by the department.

(d) The department may restrict or disapprove a transfer of stock if it finds that the transfer would present a risk of spreading disease.

(e) A person may not sell, transfer, or offer to sell or transfer, or knowingly purchase or receive, an aquatic farm product grown or propagated in the state unless the product was grown or propagated on a farm with a permit issued under AS 16.40.100. The permit must be in effect at the time of the sale, transfer, purchase, receipt, or offer. (§ 2 ch 145 SLA 1988)

**Sec. 16.40.150. Disease control and inspection.** (a) The department shall order the quarantine or the destruction and disposal of diseased hatchery stock or of aquatic farm products when necessary to protect wild stock. A holder of a permit issued under AS 16.40.100 shall report to the department an outbreak or incidence of disease among stock or aquatic farm products of the permit holder within 48 hours after discovering the outbreak or incidence.

(b) A holder of a permit issued under AS 16.40.100 shall allow the department to inspect the permit holder's farm or hatchery during operating hours and upon reasonable notice. The cost of inspection shall be borne by the department.

(c) The department shall develop a disease management and control program for aquatic farms and hatcheries.

(d) The department may enter into an agreement with a state or federal agency or a private, state-certified provider to provide services under (b) and (c) of this section, or inspections under AS 16.40.110(b). (§ 2 ch 145 SLA 1988)

**Sec. 16.40.155. Records and reports confidential.** Records required by statute or by a regulation adopted by the department concerning aquatic farm stocks or production, prices, and harvests of aquatic farm products and wild stocks, and annual statistical reports of individual aquatic farms or hatcheries required by statute or by a regulation adopted by the department are confidential and may not be released by the department, except that the department may release the records and reports

(1) to the Department of Revenue and the Department of Natural Resources to assist the departments in carrying out their respective statutory responsibilities;

(2) as necessary to comply with a court order;

(3) provided by an aquatic farm or hatchery permit holder to the permit holder whose activity is the subject of the records or reports;

(4) regarding cumulative annual harvests of wild stocks at individual aquatic farm sites. (§ 5 ch 13 SLA 2005)

**Effective dates.** — Section 8, ch. 13, SLA 2005 makes this section effective July 1, 2005.

**Sec. 16.40.160. Regulations.** The commissioner may adopt regulations necessary to implement AS 16.40.100 — 16.40.199. (§ 2 ch 145 SLA 1988)

**Sec. 16.40.170. Penalty.** A person who violates a provision of AS 16.40.100 — 16.40.199, a regulation adopted under AS 16.40.100 — 16.40.199, or a term or condition of a permit issued under AS 16.40.100 — 16.40.199, is guilty of a class B misdemeanor. (§ 2 ch 145 SLA 1988)

Cross  
misdeme  
12.55.13

Sec.

(1) "  
product  
(2) "  
plant o  
or offer  
(3) "  
importe  
(4) "  
(5) "I

of juver  
(6) "i  
tion of  
species  
alterati  
populat

(7) "I  
escape-  
aquatic  
(8) "s  
stage of  
into the

(9) "s  
intende  
propaga

Reviso  
(9). Renu  
graphs (6

"Stock  
requiring  
growth o  
"stock" d  
growth; it  
the wild s

Section  
210. Finf

Sec.  
finfish i  
(b) TI  
(1) th  
ment;  
(2) th  
16.10.4C  
under A  
16.10.4E

Cross references. — For penalties for class B misdemeanors, see AS 12.55.035(b)(6), 12.55.036, and 12.55.135.

Sec. 16.40.199. Definitions. In AS 16.40.100 — 16.40.199

- (1) "aquatic farm" means a facility that grows, farms, or cultivates aquatic farm products in captivity or under positive control;
- (2) "aquatic farm product" means an aquatic plant or shellfish, or part of an aquatic plant or shellfish, that is propagated, farmed, or cultivated in an aquatic farm and sold or offered for sale;
- (3) "aquatic plant" means a plant indigenous to state water or that is authorized to be imported into the state under a permit issued by the commissioner;
- (4) "commissioner" means the commissioner of fish and game;
- (5) "hatchery" means a facility for the artificial propagation of stock, including rearing of juvenile aquatic plants or shellfish;
- (6) "insignificant population" means a population of shellfish that, in the determination of the commissioner, would not attract and support a commercial fishery for that species of shellfish and the harvest and sale of the shellfish would not result in significant alteration in traditional fisheries or other existing uses of fish and wildlife resources if the population were included within an aquatic farm site;
- (7) "positive control" means, for mobile species, enclosed within a natural or artificial escape-proof barrier; for species with limited or no mobility, such as a bivalve or an aquatic plant, "positive control" also includes managed cultivation in unenclosed water;
- (8) "shellfish" means a species of crustacean, mollusk, or other invertebrate, in any stage of its life cycle, that is indigenous to state water or that is authorized to be imported into the state under a permit issued by the commissioner;
- (9) "stock" means live aquatic plants or shellfish acquired, collected, possessed, or intended for use by a hatchery or aquatic farm for the purpose of further growth or propagation. (§ 2 ch 145 SLA 1988; am § 6 ch 13 SLA 2005)

Revisor's notes. — Paragraph (6) was enacted as (9). Renumbered in 2005, at which time former paragraphs (6) — (8) were renumbered as (7) — (9).

Effect of amendments. — The 2005 amendment, effective July 1, 2005, added paragraph (9) [now (6)].

NOTES TO DECISIONS

"Stock" implies growth through action. — By requiring stock to be intended for use for further growth or propagation, the statutory definition of "stock" demands something more than passive growth; its express terms command an intent to "use" the wild stock "for" further growth, and these purpos-

ive words unmistakably signal an intended use that will produce growth through action; a mere waiting period between issuance of a permit and commercial harvest would not meet this definition. Alaska Trademark Shellfish, LLC v. State, 91 P.3d 953 (Alaska 2004).

Article 3. Finfish Farming.

Section 210. Finfish farming prohibited

Sec. 16.40.210. Finfish farming prohibited. (a) A person may not grow or cultivate finfish in captivity or under positive control for commercial purposes.

(b) This section does not restrict

- (1) the fishery rehabilitation, enhancement, or development activities of the department;
- (2) the ability of a nonprofit corporation that holds a salmon hatchery permit under AS 16.10.400 to sell salmon returning from the natural water of the state, as authorized under AS 16.10.450, or surplus salmon eggs, as authorized under AS 16.10.420 and 16.10.450;

## Alaska State Legislature

State Capitol, Room 102  
Juneau, AK 99802  
Phone: 465-2689  
Fax: 465-3472  
Toll Free (800) 665-2689  
Representative Paul Seaton [@legis.state.ak.us](mailto:legis.state.ak.us)



345 W. Sterling Highway  
Suite 102B  
Homer, AK 99603  
Phone: 235-2921  
Fax: 235-4008

### REPRESENTATIVE Paul Seaton District 35

I would like to clarify some of the issues raised in the Department of Fish and Game's written testimony presented to the House Fisheries Committee on HB 26.

In response to the January 30, 2007 hand outs (16 pages) I have the following comments:

In "Attachment 1", page 3, Fish and Game implicitly tries to draw a parallel between farming geoducks outside of their larval drift zone with the introduction of Atlantic Salmon to Alaska waters. On page 4 they have a list of "fun facts" which attempts to insinuate that geoducks would have the same disastrous effects as horror stories such as Asian carp and zebra mussels. These comparisons are not based on any research or evidence that geoducks would alter an ecosystem.

On page 4 Fish and Game states that "Alaska permits the widespread use of Pacific Oysters because they are naturally sterile in cold Alaska waters." Pacific Oysters are allowed to be farmed in areas where they do not naturally occur because they were grandfathered in when the regulations governing shellfish farming were adopted. Pacific oysters are not sterile in Southeast Alaska. The cold temperatures in South Central Alaska makes oysters effectively sterile.

In the white paper titled "Attachment 2, Alaska Larval Drift Zone Development" Fish and Game explains larval drift zones as the basis of their genetics policy. Geoducks do not naturally travel between larval drift zones. Page 12 states, "Limitations of stock transport are also in place to ensure that genetic integrity of wild populations is maintained." The genetics argument that the Department makes in this section does not apply to allowing geoducks in fisheries management areas where wildstock is not present. If there are no indigenous geoducks in the larval drift zone, the hatchery stock that is transferred there cannot possibly lead to genetic dilution of local wild population.

Geoducks are a very healthy and long lived species that present very little risk of introducing parasites or disease into an ecosystem. Fish and Game's white paper "Attachment 3, Shellfish Importation Prohibition and Disease Policies" (page 9) states, "In the stock of geoducks so far examined the pathology labs have found no pathogens (agents or parasites) of transport significance in the broodstock collected for the hatchery or the spat produced in the hatchery...Likewise there have been no pathogens of transport

significance reported in the literature for geoducks either in BC or WA...There is no such condition as "disease free" organisms, but certainly geoducks so far seem to be low risk in transporting pathogens."

At the end of page 9 Fish and Game implies that HB 26 will in some way encourage the wholesale import of exotic species from around the country, "bringing geoducks from BC would require a change in Alaska statutes and would set a precedence for importation of other shellfish species that would most likely follow where there are more serious concerns for exotic pathogens." HB 26 strictly states that geoduck seed can only be transferred from a certified Alaskan hatchery. The bill is also intentionally specific to geoducks. To imply anything to the contrary is a misinterpretation of the legislation.

Attachment 4, page 12 addresses the proposed culture of species outside their natural range and the strict limits the department places on transfer relating to possible but unspecified ecosystem interactions. Fish and Game states that the northern most observed range based on reconnaissance studies is up near Tenakee, Alaska (latitude 57.78). However, Fish and Game has permitted an intertidal farm in Bridget Cove (latitude 58.63), 35 miles north of Juneau on the Glacier Highway, outside what they declare as geoducks natural range. If there were serious concerns about a negative ecological impact Fish and Game and the Department of Natural Resources would not have been expected to grant that permit. (See map on page 17)

On pages 12-13 Fish and Game outlines the regulations and policies for the transfer of shellfish. HB 26 does not change any of the four requirements outlined in this white paper. All seed transfer would still have to meet established health and safety requirements.

Of particular note is what is not included when Fish and Game references to statutes 16.35.210. "Nonindigenous fish" and 16.40.105 "Criteria for issuance of permits." No where in Alaska Statue does it mention that finding wildstock in an area is a prerequisite to allowing farming. In fact, the uncodified law of the State of Alaska states "Aquatic farming sites for on-bottom culture of shellfish must be located in areas where either (1) an indigenous population of the shellfish species to be cultivated is not present or (2) if an indigenous population of the shellfish species to be cultivated is present, aquatic farming of the shellfish species would not require significant alterations in traditional fisheries or other existing uses of fish and wildlife resources." (see Page 18)

# STATE OF ALASKA

SARAH PALIN  
GOVERNOR

## DEPARTMENT OF FISH AND GAME

OFFICE OF THE COMMISSIONER

P.O. BOX 115528  
JUNEAU, AK 99811-5526  
PHONE: (907) 465-4100  
FAX: (907) 465-2332

January 30, 2007

The Honorable Paul Seaton  
Chairman, House Fisheries Committee  
House of Representatives  
Alaska State Capitol  
Juneau, AK 99801-1182

Re: HB 26

Dear Representative Seaton:

Thank you for meeting with the department January 16, 2007, to discuss House Bill (HB) 26. The department is supportive of continued growth of the Shellfish Mariculture Industry and considers it to be vital to the future growth of Alaska's coastal economy. Shellfish farming has enormous growth potential which can help sustain communities from Southeast to the Aleutian Islands. The department is also responsive to balancing the need to facilitate the development of the mariculture industry while developing science-based regulations to protect the wild populations that support commercial, subsistence, and sport fisheries. The regulations currently in place provide reasonable precautions that would protect wild stocks of species that support commercial fisheries or may support developing fisheries in the future and yet ensure continued, responsible growth of the mariculture industry.

We have included with this letter additional materials for your reference in regard to HB 26. A white paper has been provided that summarizes the problems with the introduction of a species to an area outside their natural range (Enclosure 1). In addition, a brief historical perspective on the development of the larval drift zones and the industry stakeholder involvement in this process (Enclosure 2) has been provided. During the process, the department made considerable compromises with the industry and reduced the number of larval drift zones from 12 to 6 which became effective and are currently in regulations in 5 AAC 41.295 **Stock Transport Permits**. Another white paper highlights the success of the department's shellfish importation prohibition disease polices that have been in place for over 20 years in ensuring none of the diseases or exotics, that have had disastrous impacts elsewhere, are introduced to Alaska (Enclosure 3).

The statutory and regulatory framework that are currently in place that restricts transport of geoducks to areas outside its natural range and outside the established larval drift zone for that species have been summarized as well (Enclosure 4). A map of the current transport zones is included on page 3. In addition, a figure depicting the geoduck life cycle has been included for

①

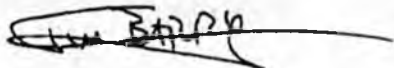
The Honorable Paul Seaton

2

January 30, 2007

reference and to highlight that geoduck are not entirely sessile and that during part of their planktonic larval stage, geoduck larvae can be transported by currents for several months before settling in an area (Enclosure 5).

Sincerely,



Tim Barry  
Legislative Liaison

Enclosures:

1. Introduced Species
2. Alaska Larval Drift Zone Development
3. Shellfish Importation Prohibition and Disease Policies
4. ADF&G Laws, Regulations and Guidelines Related to Shellfish Transport & Aquaculture
5. Geoduck Clam Life Cycle

cc: The Honorable John Harris  
The Honorable Kyle Johansen  
The Honorable Gabrielle LeDoux  
The Honorable Peggy Wilson  
The Honorable Bryce Egmon  
The Honorable Lindsey Holmes



**Attachment 1**  
**Introduced Species**  
**(Transporting Geoducks Outside Their Natural Range)**

Alaska Department of Fish and Game considered both introduced species and genetics issues while developing policies and regulations to control stock transport of mariculture species. Importing species into novel habitats can cause various changes in biological diversity while importing stocks can cause changes in genetic diversity. The farming of geoducks in Southcentral Alaska is a question of introduced species.

Some introduced species (such as many agriculture crops and pets) have proven to be beneficial. However, others are very damaging. Although introduction of species into novel habitats was common in previous decades, this practice has largely been stopped because of the unpredictable outcomes. Often unanticipated and substantial adverse impacts have eroded recipient ecosystems and hurt native species. These risks are often greatest with highly fecund aquatic (or marine) species because of larval dispersal.

Any beneficial effects of introductions usually occur immediately while harmful effects are often delayed. One sector of the economic community may see short-term benefit while delayed harmful effects on native species and other taxa cause economic loss, sometimes catastrophic loss, to other sectors through predation, competition, hybridization, or the introduction of diseases.

In summary, introduced species are a major threat because their interactions with other biota are unpredictable; they can change entire habitats placing ecosystems at risk; and they can crowd out or replace native species that are beneficial and economically important.

It is important to note that the State of Alaska has taken an aggressive stance against the use of introduced species both instate and in neighboring jurisdictions:

Alaska opposes the introduction of Atlantic salmon in British Columbia and Washington because of the potential negative ecological and economic affects on the Pacific and Alaskan fishing industry; and

Citizens of Alaska have taken an aggressive negative stance against the US proposed offshore farming legislation based upon arguments that include the risks of introduced species.

The current larval drift zones to delimit invertebrate stock and species transfers were established after ADF&G:

Held a series of staff meetings to in Juneau, Kodiak, and Homer to identify issues and potential pathways to husband and yet responsibly regulate the mariculture industry;

Synthesized the issues and staff considerations into a report that included a bibliography of all of the published scientific information on molluscan genetics and aquaculture;

Published the report on the www and distributed it to the Alaska Shellfish Growers Association and Alaska Sea Grant for input and comments; and

Discussed this report in a series of public meetings that included commercial and mariculture stakeholders who offered input into the mariculture regulations; substantial industry input shaped the larval drift regulations now in place.

During this process ADFG and mariculture industry leaders recognized that the use of sterile production lots would likely reduce, though not eliminate, the risk of introduced species. ADFG agreed to evaluate requests for the use of sterile exotics (e.g., geoducks in SC Alaska).

#### Sterile Fish and Shellfish

Several cost effective and simple strategies have been developed to sterilize fish and shellfish. These are routinely used in aquaculture and mariculture in other states and are becoming more common in Alaska. Because sterile fish cannot reproduce, the potential negative impacts of introductions may be tightly controlled. Alaska permits the widespread use of Pacific Oysters because they are naturally sterile in cold Alaska waters.

Decades ago Alaska stocked rainbow trout widely, including introductions beyond the species natural range. That program has been modified; it is current ADFG policy to only stock sterile rainbow trout into novel habitats. ADFG has also developed a sterile grayling program.

University of Alaska and NOAA fisheries have used USDA and Alaska Sea Grant monies to develop sterile pink, Chinook, and chum salmon.

Unfortunately the study of sterile geoducks has not surfaced as a priority. Alaska Sea Grant has expressed a deep interest in promoting mariculture in Alaska, and the Alutiq Pride Hatchery has expressed interest in sterile geoducks.

The following lists some examples of introduced species as well as some "fun fact" associated them:

Of all 1,880 imperiled species in the United States, 49% are endangered because of introduced species alone or because of their impact combined with other forces.

Introduced species are a greater threat to native biodiversity than pollution, harvest, and disease combined.

Through damage to agriculture, forestry, fisheries, and other human enterprises, introduced species inflict an enormous economic cost, estimated at \$137 billion per year to the U.S. economy alone.

Asian carp, introduced into the US to control algae in catfish farms, are spreading out of control. They have become the dominant large fish in the Illinois River and are infesting large swaths of the Missouri and Mississippi Rivers to the detriment of economically important native species.

Zebra mussels, accidentally introduced into the Great Lakes from southern Russia, have spread unpredictably, upset ecosystems, threaten native wildlife, damaged structures, and caused other serious problems. Millions of dollars are spent each year in attempting to control these small but numerous mollusks.

Introduction of Pacific Oysters destroyed the existing oyster industry in Chesapeake Bay.

In addition, the following websites provide some good information, suitable for the lay person, about introduced species:

[http://en.wikipedia.org/wiki/Introduced\\_species](http://en.wikipedia.org/wiki/Introduced_species)

<http://www.actionbioscience.org/biodiversity/simberloff.html>



## Attachment 2 Alaska Larval Drift Zone Development

Alaska has seen increased interest in subtidal geoducks aquatic farming with proposals for 137 farm sites being submitted and reviewed in the 2005 application opening. This emerging industry relies exclusively on the Alutiiq Pride Shellfish Hatchery in Seward for hatchery "seed" source for 16 geoduck farm sites currently permitted. It also is an important seed source for other culture species used at 61 aquatic farm sites and nurseries scattered throughout Southcentral and Southeast Alaska.

The state established an interim genetic policy in 1994 to protect the genetic diversity between shellfish wild stocks by prohibiting the transport of farm stocks between Commercial Fisheries Regions I (Southeast Alaska and Yakutat), II (Central Alaska; Prince William Sound, Cook Inlet, and Bristol Bay) and IV (Westward; Kodiak, Chignik, Alaska Peninsula, and Aleutian Islands), but allowing transports within a region. The interim genetic policy for shellfish transport was analogous to the ADF&G Genetic Policy for salmon. That policy is still in place and states that stocks (salmon) will not be transported between major geographical areas; Southeast, Kodiak Island, Prince William Sound, Cook Inlet, Bristol Bay, Arctic Yukon Kuskokwim, Interior. The rationale for the three zones for shellfish transport were based on a larval drift model developed by Ray Ralonde<sup>1</sup> which considered ocean current patterns or breaks that would delimit larval movement into zones and result in discriminate discrete population stocks.

As the industry grew there was more pressure to permit transport of farmed stocks and new brood stock through the single hatchery and around the state. ADF&G began work to define a set of regulations to both facilitate growth of the industry while conserving the wild stocks which support commercial, sport, subsistence and personal use fisheries.

Species-specific differences in life history might have discrete larval drift zones that would lead to different transport restrictions. Some mollusks, based on genetics, may be subdivided on fine geographic scale and others may be genetically identical across large distances. For example, weather vane scallops might be subdivided into more population stocks than littleneck clams. However, there is currently no direct genetic evidence of stock structure for shellfish species in Alaska.

---

<sup>1</sup> Ralonde, R. 1993. Shellfish Aquaculture in Alaska and the Potential of Interaction with Wild Species. P. 27-39 in: M.R. Collie and J.P. McVey (eds.) *Interactions between Cultured Species and Naturally Occurring Species in the Environment*. Proceedings of the Twenty Second U.S. Japan Aquaculture Panel Symposium. Alaska Sea Grant Report SG-95-03.

Improvements to the interim policy were considered after further collection of species-specific characteristics and physical barriers that may lead to the formation of discrete populations. The ADF&G interim policy was inappropriately lumping diverse zones in Region IV into one transport region. Barriers such as 1) the Alaska Peninsula that divides the Bering Sea from the Gulf of Alaska, 2) strong currents in Unimak Pass separates the Aleutian islands, 3) Shelikof Strait separates the Kodiak Archipelago, and 4) the distance separates the Pribilof Islands in the Bering Sea mandated more than one transport zone for that area. Major gyres often restrict larval transport and promote larval retention. Kachemak Bay may support discrete populations because of these effects of gyres and currents. Each of these zones represents an area of discrete larval drift and deserves separate consideration. Transports would be restricted between clear larval drift zones established using the Ralonde larval drift model and those developed in collaboration with data from ADF&G biologist from the regions. The department concluded that a conservative risk-averse approach was advisable so that stocks should be protected until more knowledge that transports and mixing is not harmful.

Further discussions and input were collected from the mariculture industry stakeholders in the development of the new guidelines and draft language for proposed regulations. The Mariculture industry had the need for 1) transporting mollusks to farms within the natural range of the species where threat species does not presently occur and 2) transporting mollusks to farms outside the natural range of the species. Issue No. 1 for transport within the natural range was considered a low risk. Unfortunately, there is little research available on the distribution, genetics, and life history including reproduction and larval drift of Alaska species to clarify the boundaries. Observations of rare individuals may not be a signal of "viable" persistent spawning populations and may indicate that the species is not suitable for that area. However, it is extremely difficult to determine what constitutes a viable population. Issue No. 2 on transporting outside the natural range was not considered as existing regulations proscribed transfer outside the "documented" range of a species. Transport of mollusks is limited to within the natural range of the species by existing regulations. Ralonde indicated that habitat barriers and marine currents prevented shellfish from Southeast into Prince William Sound.

The six Alaska larval drift zones referenced in the Aquatic Farm Regulations, 5 AAC 41.295 regarding stock transport permits, were carefully developed after meetings with Commercial Fisheries Division staff in Southeast, Southcentral, and Kodiak and the Mariculture industry stakeholders, Ray Ralonde, Aquaculture Specialist from the Alaska Sea Grant Marine Advisory Program, and Rodger Painter, the president of the Alaska Shellfish Growers Association. Substantial industry input shaped the larval drift regulations now in place. From this collaborative effort it was assured that **reasonable precautions** were in place that would protect wild stocks of species that support commercial fisheries or may support developing fisheries in the future and yet ensure continued growth of the mariculture industry.

In terms of other authorities in the Northwest, the state of Washington has a policy that recognizes several genetic zones within the state where geoduck brood stocks are to be

obtained. These are much more restrictive than larval drift zones. Stock from one zone cannot be taken to another zone. Many of these zones are localized to embayments where each is considered a subpopulation. In other words, brood stock must come from very local waters. In British Columbia, zones have been established and movement of organisms is overseen by both provincial and federal joint committees which consider genetics, disease, and ecology of the area and the specific species being transported and the risk to transporting to another area. Risk assessment studies conducted in the field are required by the committee to provide more information to assess the overall risk. Those with low risk are allowed to move outside the established zones whereas those with high risks are not allowed to be transported. Conditions on the transport permit are established to protect native stocks and minimize introduction of disease.

The department is responsive to balancing the need to facilitate the development of the Mariculture industry while developing science-based regulations to protect the wild populations that support commercial, subsistence and sport fisheries. There are clear mandates for ADF&G funding to work on salmon and groundfish issues. The department does not have funding currently to improve our understanding of the distribution, genetics, and life history of bivalves/shellfish in Alaska including larval period, larval drift zones, mechanism for larval retention, reproduction, and other biological information to identify the stock structure of these invertebrates and plants species. The department also doesn't have funding for needed risk assessment studies to determine associated risks from transports in specific local areas including: competition (displacement or disruption) of native species, benthic habitat modification (local vs. ecosystem effects and short term and long term effects), and predator-prey interactions. The industry should share in the responsibility to promote research and publish the information on the range of species. In addition, the industry should promote sterile stock research as these individuals are not capable of reproducing and hence would be more acceptable in farming situations. Use of sterile stock would diminish the genetic impacts on and interactions with wild stocks.



### Attachment 3 Shellfish Importation Prohibition and Disease Policies

The ADF&G and private pathology labs examine bivalves that are used in aquatic farming for a variety of pathogens listed below. The number of bivalves examined is limited and is considered just a snapshot in time and may not represent the entire disease picture. However, so far as we know none of these diseases or other exotics have been introduced into Alaska, primarily due to the shellfish importation prohibition and the stringent disease policies that have been in place for over 20 yrs.

Histological examination of geoducks is performed on geoducks in Alaska for the following diseases:

*Perkinsus spp. Including P. marinus and P. atlanticus.*

*Bonamia spp.*

*Haplosporidium spp. Plasmodia and spores.*

*Matreilia spp.*

*Mikrocytos muckini*

*Marteilioides chungmuensis*

Introctoplasmic inclusion bodies and lesions consistent with bivalve iridovirus infections including hemocyte viruses (HIVD), gill viruses (GNVD) or OVVD.

In the stock of geoducks so far examined the pathology labs have found no pathogens (agents or parasites) of transport significance in the broodstock collected for the hatchery or the spat produced at the hatchery. Examinations of geoduck tissue revealed prokaryotic inclusions in the gills which are typical of rickettsia which are no transport significance. Likewise there have been no pathogens of transport significance reported in the literature for geoducks either in BC or WA, but then again there has not been a lot of work on this species either. There is no such condition as "disease free" organisms, but certainly geoducks so far seem to be of low risk in transporting pathogens.

The larval drift zones are used by pathology to limit histological examination of indigenous shellfish if they are to be transported within the same larval drift zone. The assumption is that if larvae are widely dispersed within a given drift zone, then so are the potential pathogens that occur within that stock. Hence, their disease histories would be the same. After several years of examining oysters and clams in Alaska this has been the case.

In addition, bringing geoducks from BC would require a change in Alaska statutes and would set a precedence for importation of other shellfish species that would most likely follow where there are more serious concerns for exotic pathogens.

The use of ADF&G's disease policies prevent significant pathogen introductions into and within Alaska that have occurred in the Pacific Northwest and elsewhere. Examples are as follows:

1. Internal parasitic copepod, *Mytilicola*, imported from Europe is now indigenous in most Pacific oysters in the Pacific Northwest. This parasite causes poor growth and condition but rarely causes mortality. The AK shellfish policy requires that only spat less than 20 mm be allowed for importation into Alaska to reduce the likelihood of its introduction.

2. *Bonamia*, a protozoan parasite, was most likely introduced into WA and ME from flat oysters *Ostrea edulis* imported from CA. Now the parasite is found in most flat oysters in both WA and BC which can cause serious mortality. Pacifics are resistant.

3. *Haplosporidium nelsoni* was introduced into the Chesapeake Bay from Delaware Bay in the 1950s and along with *Perkinsus marinus* (another protozoan) decimated the American oyster industry there which has never recovered. Hence the current EIS regarding the introduction of the Suminoe oyster, *Crassostrea ariakensis*, from Asia. Ironically, although the Suminoe oyster may be resistant to these two pathogens, it has been found very susceptible to a previously unknown, but indigenous *Bonamia* that causes serious mortality.

4. *Haplosporidium* sp. was brought to the west coast with American oysters where it is less pathogenic for Pacific oysters, but nonetheless affects where they are transported.

In conclusion there is always a disease risk that can be measured in degrees. Therefore, if the shellfish species is indigenous then why import the same species from somewhere else and therefore put at risk or any risk on the very resource or other species that are to be protected, enhanced or farmed.



**Attachment 4**  
**Selected Fish and Game Laws, Regulations and Guidelines**  
**Related to Shellfish Transport and Aquaculture**

The following is a list of laws, regulations, and guidelines relating to aquatic farms and transport of mollusks to areas outside their natural range.

**1) Site Location - Unsuitable Physical and Biological Characteristics**

As part of the Aquatic Farm Act and regulations, applications are reviewed by ADF&G and during the review and determination process, proposed sites that reported to 1) ice over in the winter such as some intertidal areas, 2) have colder temperatures or salinity levels from freshwater influence outside the geoduck tolerance range, or 3) have a high influence of glacial silt would be determined to be unsuitable for the culture of geoducks. In addition, if the department determines that the proposed aquatic farm operation plans do not demonstrate that they will be feasible due to physical and biological characteristics of the location for the specific species proposed for culture, the department will not be able to issue a permit for these proposed farm sites. Regulations and statutes pertaining to these requirements are located in 5 AAC 41.240 and Section 16.40.105 and are listed below.

**5 AAC 41.240. Review and determination**

(a) The commissioner will review aquatic farm and hatchery operation permit applications, department surveys, and other site specific information and will issue an aquatic farm or hatchery operation permit if the commissioner determines that, to the extent practicable,

(1) the physical and biological characteristics of the location are suitable for culture because

(A) the operation is protected from oceanographic and atmospheric extremes or is designed to withstand such extremes;

(B) the water exchange rates, water temperatures, currents, salinity, and primary productivity are sufficient to support an aquatic farm and maintain a healthy environment for other marine organisms;

(C) for on-bottom culture, the substrate composition is suitable for the target species or can be enhanced and still maintain a healthy environment for other marine organisms; ....

**Sec. 16.40.105. Criteria for issuance of permits.**

The commissioner shall issue permits under AS 16.40.100 on the basis of the following criteria:

(1) the physical and biological characteristics of the proposed farm or hatchery location must be suitable for the farming or the shellfish or aquatic plant proposed; ....

(4) the proposed farm or hatchery plans and staffing plans must demonstrate technical and operational feasibility; and ...

## 2) Proposed culture species outside the natural range

ADF&G identified salient issues that were relevant to development of a genetics policy for shellfish in Alaska to help responsible husbandry and overall growth of the mariculture industry and providing a summary Regional Information Report in 2001 of those issues along with a bibliography of all of the published scientific information on molluscan genetics and aquaculture<sup>1</sup>. The issues listed in the report were 1) there were no reports of research into genetics and population boundaries of mollusks in Alaska, 2) for each species: what is the appropriate geographic scale to restrict transfer? Are there species specific life history and population genetic differences that warrant special consideration? At what scale should stock transfers be limited? What factors (such as demography, larval drift, salinity, current, substrate, competitors/predators, turbidity, depth, temperature) should the policy team consider when regulating stock transfer? 3) What hatchery guidelines are important to ensure maintenance of within population genetics variability in hatchery stocks? The relative high fecundity of mollusk species may easily lead to inbreeding in the Alutiiq Pride Shellfish Hatchery. The stocking of inbred mollusks may negatively impact adjacent wild stocks of the same species and under certain circumstances may even impact the hatchery produced species on aquatic farm sites. 4) In other states there is a promotion of the use of sterile hatchery stocks to reduce the potential genetic impact of Mariculture. In what circumstances should the State of Alaska permit or promote the use of sterile hatchery stocks?

Current larval drift zones to delimit stock and species transfers and that addressed some of the salient issues were established in collaboration with the mariculture industry which provided considerable input in the larval drift regulations now in place. Specifically, the Department regulations specify that transport of stock acquisition and an aquatic farm site will be limited to waters within an approved larval drift zone of the state. This provision in 5 AAC 41.295 (see below for full text) is in place to eliminate or minimize the transfer or spread of pathogens and disease from one drift zone to another. Geoducks northern most observed range based on reconnaissance studies is up near Tenakee, Alaska. Transplanting geoducks into the southcentral areas would be outside their natural range and outside the larval drift zones where acquisition would take place. Limitations of stock transport are also in place to ensure that genetic integrity of wild populations is maintained. See the Figure 1 for Map of the drift zones.

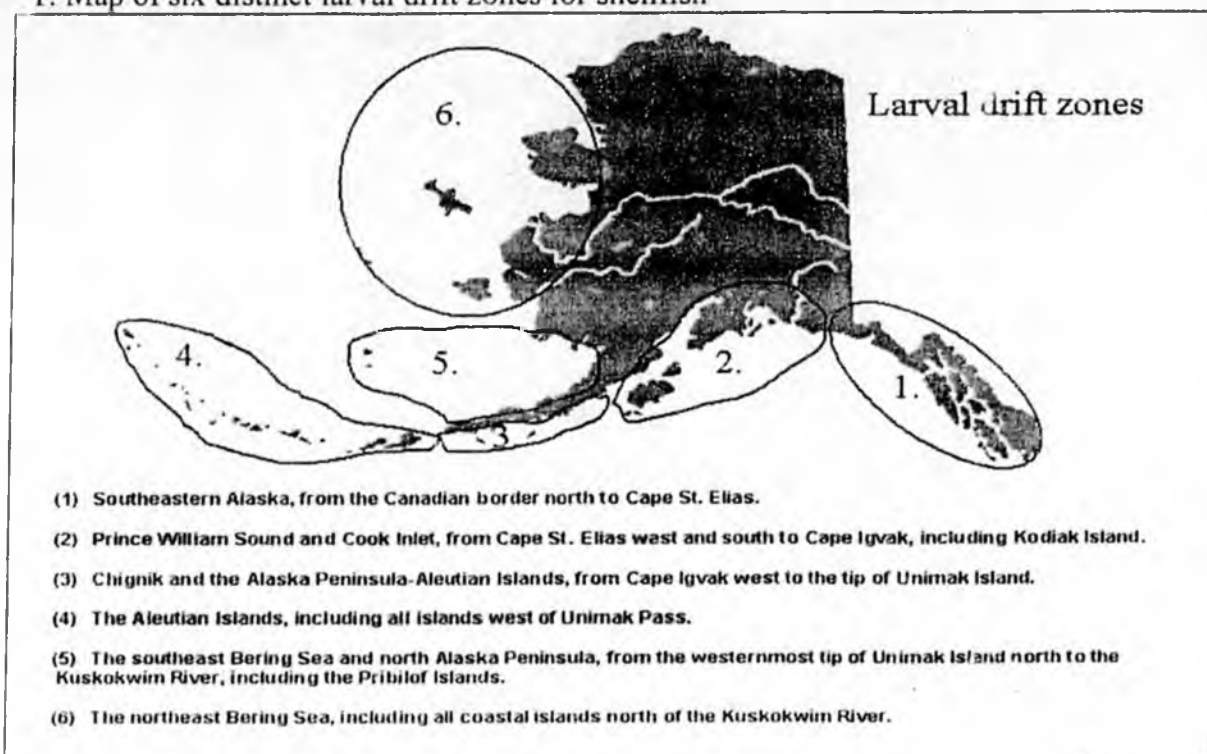
In addition, in conjunction with the genetic policies and larval drift zones, ADF&G is responsible for monitoring and controlling shellfish diseases statewide to prevent spread of both fish and shellfish infectious diseases within and outside Alaska's borders. Regulations and policies<sup>2</sup> relating to shellfish health and disease control require that the transport of indigenous shellfish species within Alaska for mariculture purposes have 1) an approved shellfish transport permit, and 2) an acceptable disease history be on record for the shellfish stock to be transported from the donor site regardless of whether the

<sup>1</sup> Moore, D and J. Seeb, 2001. Annotated Bibliography of the Genetics of Bivalve Mollusks. Regional Information Report No. 5J01-09. Alaska Department of Fish and Game. 45 pp.

<sup>2</sup> Meyers, T. 2003. Regulations Changes, Policies, and Guidelines for Alaska Fish and Shellfish Health and Disease Control. Regional Information Report No 5J03-07. 67pp.

stock originated from the certified source or whether a disease history exist for the stock at another site, and 3) if no disease history is on record, histological samples and examination must be completed before a shellfish transport permit is issued. The discreteness of stocks or populations as determined by the planktonic drift zone of larval dispersal by ocean currents is used to determine the distance of transport needed before pathology examination is required.

1: Map of six distinct larval drift zones for shellfish



**5 AAC 41.295. Stock transport permits**

(c) Transport of stock between aquatic farm, hatchery, or stock acquisition sites will be approved, without an inspection and report required in (b) of this section, if the commissioner determines that both sites are in close proximity to each other and are within the larval drift zone for wild stock of the species, and

- (1) the disease history for the stock on site is acceptable based on previous laboratory examination of samples; or
- (2) the risk of disease transmission between sites is minimal.

(d) Transport of stock between aquatic farm, hatchery, or stock acquisition sites will be limited to waters within an approved larval drift zone of the state. For the purposes of this section, "larval drift zone" includes all coastal and island areas in

- (1) Southeastern Alaska, from the Canadian border north to Cape St. Elias;
- (2) Prince William Sound and Cook Inlet, from Cape St. Elias west and south to Cape Igvak, including Kodiak Island;
- (3) Chignik and the Alaska Peninsula-Aleutian Islands, from Cape Igvak west to the tip of Unimak Island;
- (4) the Aleutian Islands, including all islands west of Unimak Pass;
- (5) the southeast Bering Sea and north Alaska Peninsula, from the westernmost tip of Unimak Island north to the Kuskokwim River, including the Pribilof Islands; and
- (6) the northeast Bering Sea, including all coastal islands north of the Kuskokwim River.

**3) Introduced Species Prevention**

Introduced species are a major threat because their interactions with other biota are unpredictable; they can change entire habitats placing ecosystems at risk; and they can crowd out or replace native species that are beneficial and economically important. It is important to note that the State of Alaska has taken an aggressive stance against the use of introduced species both instate and in neighboring jurisdictions. The department's conservative approach to any introductions of species that may potentially disturb the marine ecosystem where transports/species transplants are proposed ensures that the native wild stocks important to subsistence, commercial, recreational use and overall health of the marine environment are protected. Alaska has specific requirements to eliminate transport of non-indigenous aquatic species of shellfish that is not native to the body of water in which the shell fish is released or is intended to be released (See Sec. 16.35.210 below for full text in the statutes).

Geoducks are not native to the southcentral waters and no research is available on what the total impact would be to the southcentral benthic ecology. Pacific oysters are the only

non native aquatic farm species that are allowed to be cultured in Alaska because this species does not spawn in Alaska here due to the colder water temperatures (See Article 3, 5 AAC 41.070 below for full text).

The department and the mariculture industry recognized that the use of introduced sterile aquatic farm species into areas for which they were not native might be a possibility and would likely reduce, though not eliminate, the risk of introduced species. Currently, research is being conducted in Washington to develop sterile hatchery geoduck stocks that are made through the production of interspecies hybrids or triploids (three sets of chromosomes), but there have been no definitive results as of yet.

In the issuance of a permit, ADF&G must also consider whether it may significantly alter traditional fisheries or other existing uses of fish and wildlife resources or may affect fisheries, wildlife or the habitat in an adverse manner (See below for statutes Sec 16.40.100 and Sec 16.40.105 pertaining to criteria).

**Sec. 16.35.210. Nonindigenous fish.**

(a) A person may not knowingly release, or transport, possess, import, or export for the purpose of release, into the water of the state live nonindigenous fish or live fertilized eggs of nonindigenous fish, unless permitted by AS 16.05 - AS 16.40 or by a regulation adopted under AS 16.05 - AS 16.40. ....

(e) In this section, ...

(2) "nonindigenous fish" means a species of fish that is not native to the body of water in which the fish is released or is intended to be released; ...

(4) "water of the state" means any water of the state forming a river, stream, lake, pond, slough, creek, bay, sound, estuary, inlet, strait, passage, canal, sea, or ocean, or any other body of water or waterway within the territorial limits of the state.

**5 AAC 41.070. Prohibition on importation and release of live fish.**

(a) Except as provided in (b) - (d) of this section, no person may import any live fish into the state for purposes of stocking or rearing in the waters of the state.

(b) Live oysters native to and originating from the Pacific Coast of North America may be imported for aquaculture purposes, under a permit required by this chapter, and may be released into the waters of the state only if the

(1) broodstock is derived from oysters commercially cultured on the Pacific Coast of North America through three or more generations; and

(2) disease history or an inspection indicates no incidence of disease that is not indigenous to Alaska. ...

**Sec. 16.40.100. Aquatic farm and hatchery permits.**

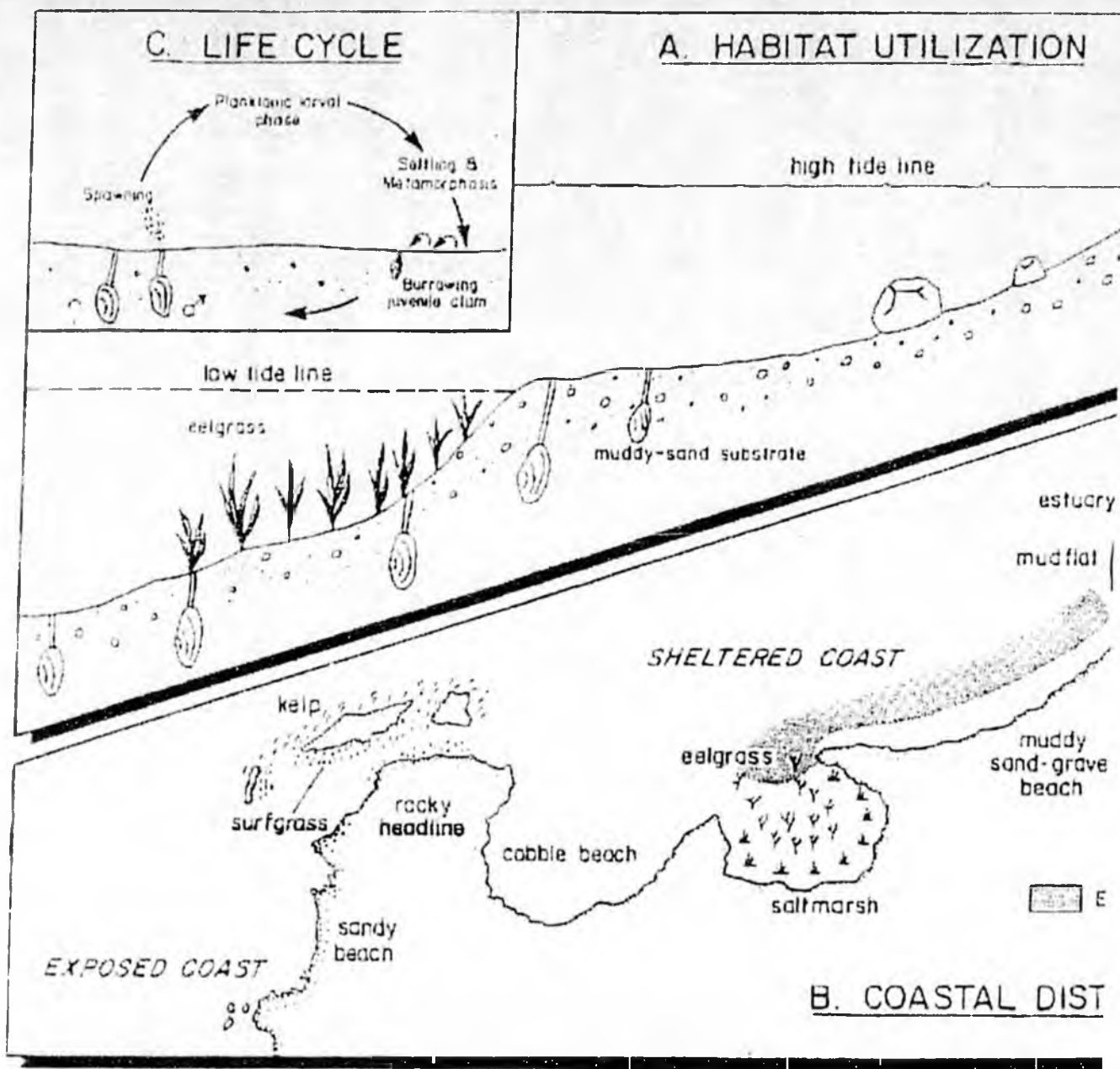
...  
(c) The commissioner may attach conditions to a permit issued under this section that are necessary to protect natural fish and wildlife resources.  
...

**Sec. 16.40.105. Criteria for issuance of permits.**


The commissioner shall issue permits under AS 16.40.100 on the basis of the following criteria:

- .... (2) the proposed farm or hatchery may not require significant alterations in traditional fisheries or other existing uses of fish and wildlife resources;
- (3) the proposed farm or hatchery may not significantly affect fisheries, wildlife, or their habitats in an adverse manner; and ....

# Geoduck Clam



**Generalized life cycle of the geoduck clam:** Male and female clams spawn annually beginning in late April and peaking in late June. Mass fertilization occurs in water column. Fertilized eggs develop rapidly into ciliated, motile larvae. Larval phase includes several stages (i.e. trochophore, veliger and umboned), during which time the larvae drift in the plankton for 7 weeks and are dispersed by water currents. The larval phase ends when larvae settle, change form, and attach themselves to a suitable substrate. May spend several months settling different areas using byssal threads as a "parachute" for transport by currents. Upon final settling, juvenile geoduck creates permanent burrow where it usually remains for life. Adults may live to over 140 years and reach a maximum shell length of 23 cm.

 Live Search

Bridget Cove, 35m N  
of Juneau on  
Glacier Hwy



Bridget Cove is the northern most geoduck farming permit that has been issued (intertidal)

(17)

\* Sec. 2. The uncodified law of the State of Alaska is amended by adding a new section to read:

LEASE OF AQUATIC FARMING SITES FOR FARMING OF SHELLFISH. (a) The commissioner of natural resources shall offer for lease to the public before February 15, 2004, areas providing for a minimum of 60 sites suitable for suspended culture of shellfish, 20 sites suitable for aquatic farming of clams, and 10 sites suitable for aquatic farming of geoducks. The commissioner shall offer the sites for lease by public auction under AS 38.05.075. The commissioner shall offer for lease through offices of the department those sites that were not leased when offered at a public auction held under this subsection. The leases entered into under this subsection are subject to AS 38.05.083(b) - (f). The renewal of the leases entered into under this subsection is subject to AS 38.05.083(a).

(b) Before offering leases for aquatic farming sites under (a) of this section, the commissioner of natural resources shall solicit nominations of sites suitable for aquatic farming of clams, geoducks, and other shellfish from the aquatic farming industry in the state and the public. The commissioner of natural resources, in consultation with the Department of Fish and Game and the Department of Environmental Conservation, shall identify sites potentially suitable for aquatic farming of clams, geoducks, and other shellfish. The sites identified by the commissioner must include sites in areas of the state where aquatic farming activities are already occurring. Aquatic farming sites for on-bottom culture of shellfish must be located in areas where either (1) an indigenous population of the shellfish species to be cultivated is not present, or (2) if an indigenous population of the shellfish species to be cultivated is present, aquatic farming of the shellfish species would not require significant alterations in traditional fisheries or other existing uses of fish and wildlife resources. After the commissioner has published the final list of sites suitable for farming of clams, geoducks, and other shellfish, the commissioner shall offer the sites for lease in accordance with (a) of this section.

(c) The aquatic farming sites that are offered for lease under this section are in addition to those offered by the commissioner of natural resources under regulations adopted by the Department of Natural Resources under AS 38.05.083. Aquatic farming leases issued under AS 38.05.083 before the effective date of this Act may not be counted toward the satisfaction of the requirement established by (a) of this section; however, leases for aquatic farming sites that are issued after the effective date of this Act on the basis of lease applications filed with the department before the effective date of this Act may be counted toward the satisfaction of the requirement established by (a) of this section.



**ADF&G TESTIMONY ON HB 26  
(Legal Perspective)**

- **Lines 11-12: the term "fisheries management area" is not defined or used in statute or regulation and could lead to confusion, it would be better to use the commonly used term "fisheries administrative area."**
- **Allowing the unconstrained transfer of geoduck seed as proposed in section 2 of the bill is inconsistent with and would override the intent expressed in existing statutes including:**

AS 16.35.210 which generally prohibits the release, transport, and possession of nonindigenous fish (including fertilized eggs). *"Non-indigenous fish means a species of fish that is not native to the body of water in which the fish is released or is intended to be released."*

AS 16.40.105(3) which generally prohibits the commissioner from issuing a permit where the proposed farm or hatchery could significantly affect fisheries, wildlife, or their habitats in an adverse manner.

- **Further as currently worded, section 2 might be interpreted to allow transfers to unpermitted hatcheries or farms because it requires consistency with AS 16.40.140(b)-(d) but does not reference (a) which generally prohibits transfer of stock to a farm or hatchery within the state unless that farm or hatchery has a permit under 16.40.140.**
- **Allowing the unconstrained transfer of geoduck seed as proposed in section 2 of the bill would also require modification to regulations adopted based on current statutes including:**

5 AAC 41.070 which generally prohibits import and release of live fish (including fertilized eggs) with certain specific exceptions (which do not currently include geoduck) (Note: although there are currently no certified hatcheries for geoduck outside Alaska, there are outside certified oyster hatcheries & outside facilities could be certified for geoduck)

5 AAC 41.240(a)(3) which includes provisions generally prohibiting issuance of an aquatic farm or hatchery permit unless the commissioner determines that the farm or hatchery *"is compatible with fish and wildlife resources in the area"*

5 AAC 41.295(d) which prohibits transport of stock between aquatic farm, hatchery, and stock acquisition sites except within an approved larval drift zone.

**Katie Shows**

---

**From:** Louie Flora  
**Sent:** Tuesday, February 06, 2007 1:45 PM  
**To:** Katie Shows  
**Subject:** FW:

---

**From:** Kelly Burnett  
**Sent:** Tuesday, February 06, 2007 1:44 PM  
**To:** Louie Flora  
**Subject:**

9:01:32 AM

REPRESENTATIVE LEDOUX asked for a definition of how the work "opportunistic" was being used in this context.

9:01:37 AM

MS. PRING-HAM explained that the department does not have the funds to collect samples specific to this species, however, when conducting surveys for other projects, the samplers will "opportunistically pick a few samples up" to be provided to a lab for genetic analysis. To Representative LeDoux's follow-up question, she responded:

[Unfortunately, we [the department] don't have a mandate for this, ... doing research for ... shellfish. Most of the monies are going to other commercial fish endeavors; ... we have to do it on an opportunistic basis. I have a little money in Mari culture [division] to try and get some of the analysis done.]

9:02:42 AM

**Katie Shows**

---

**From:** Louie Flora  
**Sent:** Monday, February 05, 2007 1:14 PM  
**To:** Katie Shows; Rep. Paul Seaton  
**Subject:** Geoduck testimony

---

**From:** Kelly Burnett  
**Sent:** Monday, February 05, 2007 12:23 PM  
**To:** Louie Flora  
**Subject:** Here you are.

9:33:13 AM

REPRESENTATIVE JOHANSEN referenced the State of Washington and British Columbia's policies and procedures for similar mariculture industry, and asked if it would not provide an adequate model that could be applied for the purposes of adopting HB 26. He acknowledged the "hesitancy" held by the department to support this measure due to the lack of base line science, specific to this species being introduced into the Gulf. He asked, "What needs to happen for the department to get that process rolling." Further, he inquired what the time span for producing a marketable geoduck would be.

9:34:16 AM

MS. PRING-HAM responded that the department does not have data to establish the growth rate of geoduck clams in the waters of South Central. However, she estimated that it takes 7-8 years in Southeast, but given the colder waters of South Central it could be 9-10 years. She underscored that the department does not have growth data for Alaskan waters and the available growth information is based on research from British Columbia and the State of Washington. She said,

Again, there is probably no study we could do in South Central that would make us feel safe; but introducing geoducks there would not cause a problem to the ecosystem. Once you introduce something, you've started the whole chain reaction. I did mention that you could do studies in Southeast just to see the impacts within a plot, but again, the food chain is so complicated that it's hard to design a study. You can design the changes to the benthic organisms ... but we just don't have a good handle on the ramifications to this particular project.

Testimony for Fisheries Resource Committee

Jeff Hetrick, Director  
Alutiiq Pride Shellfish Hatchery

Re: Hatchery Geoduck Supply

The shellfish hatchery has produced almost 500,000 geoduck seed over the past two years and lost another 50,000 during the October flood. Geoduck seed are a high value product and command a high price. One of the issues the hatchery has been faced with has been the uncertainty of the customers and their reluctance to invest in geoduck seed pending the outcome of the controversy surrounding standing stocks. Most of the permitted farms have not ordered or purchased seed related to this uncertainty or lack of capital. The hatchery has also been reluctant to produce seed that have such a high cost and have an uncertain customer base. The hatchery had over wintered 40,000 seed in 2004 that went unsold. The geoduck farmers and the hatchery have a constant dialogue and are working together to make production and demand meet.

We have recently spawned a new set of geoduck seed and hope to produce as many as 1 million seed for sale and enhancement projects in 2007.

01-05-07  
Seward, Alaska

Honorable Members of House Fisheries Committee

Regarding Testimony on HB 26  
David J. Otness, Shellfish farmer

Dear Members through the Chair, 1

To those of you in particular who have not had extensive exposure to the politics inherent to mariculture, allow me to state as one with years of frustration under his belt, ADF&G has not been a good partner in encouraging the growth we have attempted to secure in this wonderfully promising industry. In fact this extends into other sectors of ComFish as I will demonstrate. This is and has been a state-wide problem for many years and hopefully one we can finally address under this new administration. We will be watching closely as the new Commissioner makes his personal stamp evident.

My background in all of this represents 3 generations of commercial fishermen originally out of Petersburg. My grandfather fished out in the Gulf of Alaska in January in a 46 ft wooden boat as far back as 1917. They delivered fish into Seldovia and Prince Rupert, B.C.; Anchorage was hardly more than a tent town. There were no radars, radios, depth sounders or any means of rescue if things went bad. A good compass and good sea sense was what you had in your deck. I would not be writing if it were otherwise.

I first went to sea with my father at the age of five. This was salmon seining in the Territorial days of fish traps, I was working in the power skiff by the time I was 7 and running it by myself at the age of 9. That was also my first season commercial longlining. We used to pull the seine in by hand with what was called a turn table which was mounted on the stern with a center pivot pin, the roller on the outboard toward the seine as we hauled it in. It was a time of big arms.

Coastal Alaska in the 1950's was characterized by hard times and pulling together. Between the fish traps taking the majority of salmon and Japanese and Russian trawlers scooping up halibut nearly on our front porch we truly were left with subsistence as a major means of getting by. The winters were exceptionally cold and often the deer meat we had to eat was blue because the animals were starving. I remember my father getting 18 in 1 day, feeding a lot of people in Petersburg. Clams were an important component to our diet as well, in many forms unimaginable today. Clam hotcakes for breakfast, anyone? I learned our beaches early.

## II

When I was 11 my father's boat, the Teddy J, was lost with all hands [5] off Prince Rupert. According to cousin Captain Richard Hofstad, one of the first skippers on the State Ferry System, she probably struck Alexandra Reef. This was my grandfather's boat and eventually would have been mine. I was almost aboard that trip but had school. This event left my mother with 6 mouths to feed in April of 1962. Dad had just cashed in an insurance policy worth \$70,000 for boat improvements. Bad timing.

I spent my first winter in the bush in 1968-69 at the age of 17. My trapping partner was Mike Potts, 18, just out of high school in Minnesota. We considered ourselves mountain men and I guess we were as no one once came to check on us in 4 months. We ended up eating 11 deer that winter and probably 75 lbs of Gravy Train dog food. It was one of the coldest winters on record and our clam shovels and smelt net were useless in the thick shore ice and no airplane could land to pick us up even if they had tried They didn't try and so we spent an extra month waiting for the ice to go out. My partner's Brittany spaniel didn't know some of the thoughts extreme hunger will manifest regarding mans' best friend becoming mans' best meal. We had incipient scurvy when finally picked up.

The reason for this extended forward is to acquaint the reader with what I consider my extensive personal background in Alaska's natural resources and partaking of them from Southeast to the Arctic and Aleutian Islands, all the way to their territorial terminus at Attu Island. FYI Attu is 7000 miles due north of the center of New Zealand. As a matter of fact, I've taken abalone in S.E., cockles 6 inches across on Unalaska Island, dug 5gallons of butter clams from 2 cubic feet of beach soil at Chernofski Harbor, taken Horse clams in excess of 4lbs [ea] in Kuiu Bay on the Alaska Peninsula [shells as big as dinner plates]. I've dug on razor clam beaches where a shovel is not required, simply grabbing them [carefully] by their extended necks. I've seen miles of wave rowed razors on the beaches of Unimak Bight, brown bears feeding on them every 50 feet, after a big southeaster rolled them up ashore.

Port Moller, Herendeen Bay, Cinder River, Egegik, Togiak, Orca Inlet, Kayak Island Yakutat, Seymour Canal, Taku Harbor, China Poot, [the old-timers pronounced it "pot"], Constantine Harbor[s] Shelikoff Bay, Russian Harbor, Elrington Passage, Kamishak Bay, Silver Salmon Creek, Kukak Bay, Chignik, Aniakchak Bay. You get the picture. In the course of my 56 years in Alaska I have sailed virtually every navigable waterway all the way to Prudhoe Bay and whenever and wherever possible have gone ashore, whether hunting, fishing, but most of all, beachcombing. I have made it my business to be aware of food sources wherever I might eventually find myself shipwrecked. I make a point of looking for good anchorages and trying them out under good weather conditions. One outstanding feature of most of these diverse places is the commonality of bivalve species across this broad geographical range.

Regarding HB 26, I feel there is over-blown concern regarding species crossing boundary lines we have drawn when we attempt to determine why a certain area hasn't supported a

### III

given species. And yet several miles, several hundred or one adjacent beach away there may have been spat deposition which took and did fine. There are so many variables as to how the spawning, travel, maturation (or not), deposition of gametes (or not), ever occurs in a given area. The same thing is true in terms of survival of the adult animal. Was there a specific predator responsible for a beach being cleared; a series of predators, infestations, temperature variations, high or low? Excessive silt deposition, not enough nutrients, tsunami or storm damage, oil spills, earthquakes. Even beyond the "64" quake and the "89" spill there have been great numbers of undocumented temblors as well as shipwrecks going back to WW II. An earthquake that doesn't make headlines or even merits notice to the average Joe is big news indeed to ocean denizens if near the epicenter. The mud that covers shelving rock in the Gulf of Alaska can be several feet thick, providing favored and excellent habitat for Tanner crab. One earthquake can bare that shelf of mud and these are no longer productive grounds, let alone the mortality from the mudslide. I have observed this fishing crab. Ocean currents and gyres could easily be why areas are skipped over, populated or not. This does not rule out random deposition naturally. There are so many variables to a species' ability to adapt and thrive, but not necessarily ones precluding the feasibility being transplanted without harming a species which did manage to thrive before, during and/or after an ecosystem changing event. I have seen so many areas where these bivalve species co-exist, and with proper disease prevention protocols I sincerely believe geoduck transplantation will prove to be "much ado about nothing".

The ocean is an ongoing/undergoing dynamic and we bear witness to it, particularly now with our increasing awareness of apparent climate change, and by being out on site shellfish growers are the sentinels of change, we know what is new, we observe everyday on the farm. Therein lies another issue, being charged excessively for PSP tests while providing the state with information for the public good. More on that to an appropriate committee.

Testimony such as Willie Dunn's of Kachemak Bay Conservation Society [ or whatever the incarnation/acronym] reflects obstructionism masking as valid concern, one more permutation of "The sky is falling". Honorable ladies and gentlemen of the Committee, the sky has always been falling and God willing, we will continue to survive it. The contemporary theme seems to be we must fear "fear itself." I maintain we should act with reason, courage and alacrity *towards* opportunity rather than falling prey to the notion that HB26 will somehow undermine the foundations of life on earth. The opposite seems to be recurring throughout our society---- as a measure of what we allow ourselves to do as humans----- just because we obviously have acted heedlessly in the past. Blatant past mistakes should not be allowed to tether us to that past. Alaska's uncertain economy and unpredictable budget are crying out for a positive sign, particularly in the coastal economy. We have been striving to be heard for nearly two decades and unless we move ahead reasonably as well as prudently, the State of Alaska will have killed off an industry of world wide significance.

#### IV

There is both humor and despair involved our shellfish growers' community self - description as the "Gray Oyster Cult" and most of our bane originates from ADF&G. Some of this is personality, some is regulatory, it all adds up to a defensiveness of authority manifested as offensiveness from the Department, i.e. "the Culture". Of course there are good people in the system but I will reiterate: many of us will be watching the new Commissioner for expected change, particularly after finding the Joint Board procedure lacking in forwarding names to the Governor.

I have observed and tried to work with the Department over the years in many different areas and fisheries with mixed success. The largest single ongoing problem is their refusal to work co-operatively with fishermen in data gathering, anecdotal information and by extension discounting valid information, even to the point of ignoring information provided by a Tech authorized to gather data on a commercial vessel. This attitude is rampant throughout Alaska in crab statistical areas [Prince William Sound, Southeast and the Dutch Harbor small boat fishery to name a few] and unless there are recent changes it probably still prevails. Many of us have offered our boats and gear for free to the Department for survey work and as a rule it does not happen. There are fisheries that could be providing income to coastal communities but for ADF&G's insistence on using Dept vessels which invariably come with the caveat "we don't have enough funding to survey". Many of us fishermen who know the grounds have seen time and again they don't have the innate knowledge one gets from spending a lifetime on those waters. Most recently the humpback whale killed in an ADF&G herring seine in Sawmill Bay provides a clue as to who should be doing survey work..

Another recent, most egregious case, involved the S.E. king crab fishery where the Dept vessel found CPUE's of approximately 4 legal crab per pot. A separate vessel skippered by a professional crab fisherman documented approximately 40 legal crab per pot. The biologist in charge refused the documented information of the second vessel, refused to open the season, and by that act cost the town of Petersburg nearly \$ 1,000,000 dollars to its November economy{ She got moved sideways in the Dept. instead of out}. These actions ripple across Alaska in towns like Cordova, Seward, Homer, Ketchikan and out to the Alaska Peninsula and Kodiak. Not all the time, but often enough to form a pattern of the "Culture". We of the Gray Oyster Cult have been hammered by these guys even worse as we don't have the economic clout nor stature enough to try to change this on our own--- except when the Legislature steps up to the plate as Representative Seaton is doing with this bill.

Members of the Committee, I implore you to take an honest look at what's at stake here. I urge you to look at The McDowell Report on Alaska Seafood Economic Strategies [ Dec 2006], and also the NOAA Ten Year Aquaculture plan, also from last year. This industry is the future of Alaska's fisheries. Please pass this bill. Thank you.

**Mary Jane Shows**

**From:** Willy Dunne [wdunne@xyz.net]  
**Sent:** Monday, February 05, 2007 8:46 PM  
**To:** Rep. Paul Seaton  
**Subject:** \*\*\*\*\*SPAM\*\*\*\*\* HB26 statement  
**Follow Up Flag:** Follow up  
**Flag Status:** Purple  
**Attachments:** image001.png



## ***Kachemak Bay Conservation Society***

3734 Ben Walters Lane • Suite 202

Homer, AK 99603-3734

[kbc@xyz.net](mailto:kbc@xyz.net)

February 5, 2007

### **HB 26: Allowing the Culture of Geoduck Clams Outside of their Native Range**

House Bill 26 reverses long standing ADFG policies and regulations which currently prohibit the culture of shellfish species in areas where they are not native. This bill allows a non-indigenous species to be introduced in coastal ecosystems with potentially harmful consequences, while also being inconsistent with several existing laws (AS 16.35.210 and AS 16.40.105(3)).

In addition to being ecologically harmful, passage of this bill would directly benefit one private business. The bill's Sponsor Statement acknowledges that passage of the bill would financially assist the Alutiiq Pride shellfish hatchery in Seward. This hatchery was established with extensive subsidies of public funds and property and has yet to prove itself as a viable business without further subsidy. Expanding the culture of non-native shellfish species in order to bail out a private hatchery operating under a faulty business plan is poor public policy.

Since geoduck clams are highly mobile in the larval stage, introducing them into marine waters outside of their native range could result in the species spreading far beyond a limited aquatic farm site. If this bill is to be considered at all, it is imperative that it specify that only **sterile** geoduck seed be allowed to be farmed outside of the natural range of the species.

During recent public testimony, shellfish experts from ADFG, University of Alaska, and the mariculture industry all indicated there is no way to predict what harm may come to

coastal environments as a result of introducing a non-native species. Alaska has the best managed fisheries in the world as a result of science based management utilizing precautionary principles. If the range of geoduck farming is to be expanded, the concerns of these experts need to be addressed by amending the bill to prevent fertile seed stock from being cultured outside the native range of the species.

For more information contact Willy Dunne: 235-7578 or [wdunne@xyz.net](mailto:wdunne@xyz.net)

--  
No virus found in this outgoing message.

Checked by AVG Free Edition.

Version: 7.5.432 / Virus Database: 268.17.27/671 - Release Date: 2/5/2007 4:48 PM

**Louie Flora**

---

**From:** Tehben Dean [tehbendean@mac.com]

**Sent:** Tuesday, February 06, 2007 3:32 PM

**To:** Rep. Paul Seaton

"House Bill 26 reverses long standing ADFG policies and regulations which currently prohibit the culture of shellfish species in areas where they are not native. This bill allows a non-indigenous species to be introduced in coastal ecosystems with potentially harmful consequences, while also being inconsistent with several existing laws (AS 16.35.210 and AS 16.40.105(3))."

I strongly oppose this bill.  
Where do you stand on this issue?

Tehben

**Katie Shows**

---

**From:** Marilyn Sigman [cacs@xyz.net]  
**Sent:** Tuesday, February 06, 2007 10:10 PM  
**To:** Katie Shows  
**Subject:** \*\*\*\*\*SPAM\*\*\*\*\* geoduck legislation  
**Follow Up Flag:** Follow up  
**Flag Status:** Purple

Dear Katie,

I am still concerned about the bill introduced by Paul Seaton and the comments in his recent newsletter concerning prohibiting the use of the rationale that there are no geoducks in an area to deny an aquatic farming permit. This means, if I can get the double negatives straightened out, that geoducks could be farmed as a species in areas of Alaska outside its range and habitat where it is technically a nonindigenous species. This sets a precedent and contradicts major efforts underway by state and federal fish and wildlife agencies to prevent the establishment of nonindigenous species. The Pacific oyster is a cultured species in Alaska but it cannot reproduce in our waters. Global warming may change this equation. We should be taking a zero risk approach to allowing species to be introduced that can alter the ecology to which the local species are adapted. Although the newsletter states that competition could still be used as a rationale to deny a permit, the consequences of introducing species into new environments are difficult, if not impossible, to forecast and many introductions have had devastating consequences on local ecologies that were unforeseen.

New methods of aquatic farming in Kachemak Bay and in the Critical Habitat Area, such as on-bottom clam culture, have been very controversial in past years. Certain portions of Kachemak Bay like Peterson Bay are currently closed to new farm applications, but only because it has been determined that the floating oyster farms are at capacity in this area. To my knowledge as a former Fish and Game habitat biologist, the Critical Habitat Area is not categorically closed to aquatic farm permits. The majority of the existing oyster farms, if not all of them, are located in the Critical Habitat Area. The legislation that created the CHA has led to differing interpretations about what uses are permitted or excluded and so has been alternatively interpreted liberally and stringently as the political winds have shifted with different state administrations.

For these reasons, this bill is bad ecology and poor public policy.

Sincerely,  
Marilyn Sigman  
Homer

Marilyn Sigman  
Executive Director  
Center for Alaskan Coastal Studies  
Homer, AK 99603  
(907)235-6667

---

**From:** Nina Faust [mailto:fausbail@horizonsatellite.com]

**Sent:** Wednesday, February 07, 2007 8:14 AM

**To:** Rep. Lindsey Holmes; Rep. Kyle Johansen; Rep. Paul Seaton; Rep. Bryce Edgmon; Rep. Peggy Wilson; Rep. Gabrielle LeDoux; Rep. John Harris

**Cc:** Sen. Gary Stevens

**Subject:** HB 26

House Fisheries Committee  
Alaska State House  
Juneau, AK 99811

Dear Committee Members:

With Global Warming and increased temperatures in Alaska, the the threat of introduced species is no longer just a threat. We are seeing encroachment of plant and animal species we thought would not be a problem in our cold climate. New invasives have even been found in Kachemak Bay. With this in mind, it comes as a surprise that you have sponsored HB 26, which would allow the introduction of geoduck clams, a non-indigenous species, to be introduced to areas where they are not native. It has been a long-standing policy within ADF&G to prohibit non-native shellfish introductions, which we believe is a very wise policy. So many unknown consequences of a non-native introduction could threaten our native shellfish populations. We personally think this bill is a bad idea.

By allowing the transfer of geoduck clams to areas where they are not native, the potential for these shellfish to escape into the marine environment is relatively high since in the larval stage they are very mobile. Sterile geoduck seed would prevent this from happening but there would have to be a 100% effective means of assuring that all the seeds were sterile. We don't believe introducing a non-native shellfish is worth the risk to our rich marine ecosystem just to benefit a shellfish hatchery in Seward. Please do not pass this bill.

Sincerely,

Nina Faust  
P.O. Box 2994  
Homer, AK 99603

Ed Bailey

**HB**

**40**





# FISCAL NOTE

**STATE OF ALASKA**  
**2007 LEGISLATIVE SESSION**

Fiscal Note Number: \_\_\_\_\_  
 Bill Version: HB040-DNR-Title-01-30-07  
 () Publish Date: \_\_\_\_\_

Revision Date/Time (Note if correction): \_\_\_\_\_ Dept. Affected: \_\_\_\_\_  
 Title Public access to fishing streams RDU Natural Resources  
 Component Resource Development  
 Sponsor Rep. Gara Title Acquisition and Defense \_\_\_\_\_  
 Requester (H) RES Component No. 2459

**Expenditures/Revenues (Thousands of Dollars)**

Note: Amounts do not include inflation unless otherwise noted below.

OPERATING EXPENDITURES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Personal Services	48.0	48.0	48.0	48.0	48.0	48.0
Travel	2.0	2.0	2.0	2.0	2.0	2.0
Contractual	7.2	7.2	7.2	7.2	7.2	7.2
Supplies	1.0	1.0	1.0	1.0	1.0	1.0
Equipment						
Land & Structures						
Grants & Claims						
Miscellaneous						
<b>TOTAL OPERATING</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>

<b>CAPITAL EXPENDITURES</b>						
-----------------------------	--	--	--	--	--	--

<b>CHANGE IN REVENUES ( )</b>						
-------------------------------	--	--	--	--	--	--

**FUND SOURCE (Thousands of Dollars)**

1002 Federal Receipts						
1003 GF Match						
1004 GF	58.2	58.2	58.2	58.2	58.2	58.2
1005 GF/Program Receipts						
1037 GF/Mental Health						
Other (Specify Type--Do not abbreviate)						
<b>TOTAL</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>

Estimate of any current year (FY2007) cost: 0.0  
 Check this box (X) if funding for this bill is included in the Governor's FY 2008 budget proposal:

**POSITIONS**

Full-time						
Part-time	1	1	1	1	1	1
Temporary						

**ANALYSIS:** *(Attach a separate page if necessary)*  
 This bill requires DNR, working with the Alaska Department of Fish and Game (ADF&G), to identify private lands that the state should acquire to provide public access to and along popular fishing streams, and then directs DNR to pursue acquisition through purchase of easements, land exchanges, and or fee simple purchase.  
  
 This bill also requires ADF&G to identify undeveloped land along popular fishing streams for possible acquisition. The bill identifies two areas where this process will look at first, but envisions an ongoing, statewide process. ADF&G then submits the list of parcels to DNR to acquire the land.

Prepared by: Dick Mylius, Acting Director Phone 269-8625  
 Division: Mining, Land & Water Date/Time 1/30/2007  
 Approved by: Marty Rutherford, Acting Commissioner Date 1/30/2007  
 Agency: Natural Resources

## FISCAL NOTE

STATE OF ALASKA  
2007 LEGISLATIVE SESSION

BILL NO. HB040-DNR-Title-01-30-07

### ANALYSIS CONTINUATION

This fiscal note does not include the actual cost to negotiate and appraise individual acquisitions, and does not include funding to pay the purchase price for acquisitions.

This fiscal note assumes that ADF&G will provide DNR with a list of parcels, maps of the parcels, names and addresses of property owners, and other information about the parcels. ADF&G will be responsible for these costs.

Section 2 of the bill allows DNR to acquire the lands identified by ADF&G. This fiscal note only includes DNR's costs to conduct initial land title work, field inspections of parcels to be acquired, preliminary land cost estimates and preliminary discussions with the owners of parcels that the state desires to acquire.

After these preliminary discussions, DNR would then request appropriations from the legislature to fund work on each parcel or group of parcels, including costs for negotiation, appraisals, surveys, complete land title reviews, and purchase of the land. If the specific acquisitions are not funded, DNR would not be able to pursue the acquisitions further.

DNR's initial costs that are included in this Fiscal Note are:

#### PERSONAL SERVICES - \$48.0

Natural Resource Specialist (NRS) III (1 month) and Land Appraiser II (1 month) (each range 18s) - total 2 months @ \$7.2/month = \$14.4 - to discuss acquisitions with property owners and estimate costs associated with individual parcel acquisitions.

Natural Resource Specialist (NRS) I (range 14) - 6 months @ \$5.6/month = \$33.6 - to conduct initial land title, preliminary valuation, and other research for all parcels.

TRAVEL, CONTRACTUAL, SUPPLIES - total \$10.2 - includes travel to sites (initial areas are road accessible), research of municipal title records, office supplies, and mandatory position costs which include lease space, phone services, computer services, DOA core services charges.

LONG TERM COSTS ASSOCIATED WITH ACTUAL ACQUISITIONS - Not included in Fiscal Note.

This fiscal note does not include the cost associated with negotiating the land purchase or exchanges, land appraisals, preparing a full title report, preparing and recording title documents, any necessary survey costs, and other related costs. DNR's experience with recent land acquisitions indicates that one NRS III position can negotiate and coordinate about four acquisitions per year. Some support staff time is also needed for document preparation, record keeping, additional title research, etc. Based on this, the estimated cost for each purchase is \$50.0 (\$35.0 for personal services and \$15.0 for contractual services including appraisal, survey and environmental audit).

Land exchanges are significantly more labor intensive, based on recent experience the cost for land exchanges is \$50.0 to \$100.0 per parcel.

Actual acquisition costs will vary by area and size of parcels. DNR estimates that parcels that provide access to Montana and Willow Creeks along the Parks Highway will cost about \$7,500 per acre for 5-10 acre parcels (\$37.5 - \$75.0 per parcel). Recent ADF&G purchases of parcels for access along the Anchor River and Deep Creek on the Kenai Peninsula were higher, averaging about \$100.0 per parcel.

# FISCAL NOTE

**STATE OF ALASKA**  
**2007 LEGISLATIVE SESSION**

Fiscal Note Number: \_\_\_\_\_  
 Bill Version: HB40(RES)  
 () Publish Date: \_\_\_\_\_

Revision Date/Time (Note if correction): \_\_\_\_\_ Dept. Affected: Fish & Game  
 Title Public access to fishing streams RDU Sport Fisheries  
 Component Sport Fisheries  
 Sponsor Rep. Gara  
 Requester House Resources Committee Component No. 464

**Expenditures/Revenues** (Thousands of Dollars)

Note: Amounts do not include inflation unless otherwise noted below.

OPERATING EXPENDITURES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Personal Services	38.8	21.6	21.6	21.6	21.6	21.6
Travel	2.0	1.0	1.0	1.0	1.0	1.0
Contractual	1.0	1.0	1.0	1.0	1.0	1.0
Supplies	1.0	1.0	1.0	1.0	1.0	1.0
Equipment						
Land & Structures						
Grants & Claims						
Miscellaneous						
<b>TOTAL OPERATING</b>	<b>42.8</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>

<b>CAPITAL EXPENDITURES</b>						
-----------------------------	--	--	--	--	--	--

<b>CHANGE IN REVENUES ( )</b>						
-------------------------------	--	--	--	--	--	--

**FUND SOURCE** (Thousands of Dollars)

1002 Federal Receipts						
1003 GF Match						
1004 GF	42.8	24.6	24.6	24.6	24.6	24.6
1005 GF/Program Receipts						
1037 GF/Mental Health						
Other (Specify Type--Do not abbreviate)						
<b>TOTAL</b>	<b>42.8</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>

Estimate of any current year (FY2007) cost: 0.0  
 Check this box (X) if funding for this bill is included in the Governor's FY 2008 budget proposal:

**POSITIONS**

Full-time						
Part-time	1	1	1	1	1	1
Temporary						

**ANALYSIS:** (Attach a separate page if necessary)

This bill requires ADF&G, working with the ADNPF, to identify private lands that the state should acquire to provide public access to and along popular fishing streams, and then directs DNR to pursue acquisition through purchase of easements, land exchanges, and or fee simple purchase.

The bill specifically requires ADF&G to identify land along popular fishing streams for possible acquisition. The bill identifies several areas where this process will look at first, but envisions an ongoing, statewide process. The bill also requires ADF&G to identify willingness of land owners to sell land or easements. ADF&G then submits the list of parcels to DNR to acquire the land.

Prepared by: Kelly Hepler, Director Phone 465-6184  
 Division Sport Fisheries Date/Time 1/30/07 1:00 PM  
 Approved by: Tom Lawson, Director Date 1/30/2007  
 Agency Fish & Game

**FISCAL NOTE**

**STATE OF ALASKA  
2007 LEGISLATIVE SESSION**

**BILL NO. HB 40**

**ANALYSIS CONTINUATION**

This fiscal note assumes that ADF&G will provide DNR with a list of parcels, maps of the parcels, names and addresses of willing sellers (property owners), and other information about the parcels. Estimated costs for these activities during FY2008 are:

Line 100: \$38.8K

HB III (4 months) to conduct land ownership and easement research

HB III (1 month) to identify willing land owners.

Cartographic support (1.5 months) to prepare maps for transfer to DNR

Lines 200-500: total \$4.0K

Includes travel to sites (initial areas are all road accessible), research of municipal title records, office supplies, etc.

These costs will be reduced to \$24.6K in FY2009 as work on the identified water bodies in the bill is completed and the program shifts to a smaller, statewide program.

**B****MOLLY IVINS LETS LOOSE**

Political columnist Molly Ivins will speak in Anchorage on July 21. Check out what she told the Daily News about both George Bushes, sodomy in Texas, tax cuts, her new book, and the Alaska-Texas rivalry. **Q&A in Opinion, Page J-3**

# ALASKA

S E P T E M B E R

ANCHORAGE DAILY NEWS • www.adn.com

★ SUNDAY, JULY 13, 2003

## Prime fishing land might be sold off

■ **ANCHOR RIVER:** Sale of five-acre parcels could eliminate public access.

By JOEL GAY  
Anchorage Daily News

The beaches, banks and wetlands along one of the Kenai Peninsula's most popular fishing streams are being subdivided into five-acre parcels that, if sold, could eliminate public access to the lower Anchor River.

The owners say they've tried for years to sell the land to the state but could never agree on a price. Now it's time to move on, they say, and the first

step is chopping their two large parcels into 20 smaller ones.

They hope to win preliminary approval of their subdivision plan Monday night from the Kenai Peninsula Borough. The lots could be on the market later this summer.

Supporters of a buyout still hope the land can be purchased and put into public ownership. The landowners say they're still willing to sell. But time is drawing short, said Lynn Whitmore, a longtime local angler who just recently learned about the proposed subdivision.

"I'm going to urge that they try to convert this to public land, by whatever means necessary," he said. "I want the (borough) mayor or somebody to sit down with these two sides and resolve this."

■ **THE KENAI PENINSULA BOROUGH PLAT COMMITTEE** will hold a public hearing on the proposed Anchor River subdivision at 5:30 p.m. Monday in the Borough Building in Soldotna. For more information, go to [www.borough.kenai.ak.us/planningdept](http://www.borough.kenai.ak.us/planningdept), then click on Plat Committee, then Agendas.

er means necessary," he said. "I want the (borough) mayor or somebody to sit down with these two sides and resolve this."

Anchor Point pioneer Vern Mutch homesteaded the area decades ago, selecting land that ran from atop the bluffs to the Cook Inlet beach, with the

river running through it. His son Paul, a commercial fisherman who lives in Ugashik, now owns much of the land, including a 45-acre parcel just north of one of the river's most popular fishing spots, the Grass Hole.

The state Division of Parks owns the adjoining lot to the south, where it provides parking and a boat launch. But thousands of fishermen every year pass through the state land onto the Mutch property, where they camp on the gravel beach and tromp through wetlands to reach the river.

Many also walk or drive ATVs even farther north, toward the river mouth, where they trespass on a 12-acre par-

cel owned by Jim Jacobs.

The parks superintendent on the lower peninsula, Chris Degernes, said it's difficult to imagine the private land suddenly being posted with no-trespassing signs. "The public has used that property so many years — as if it were public — that it will be difficult to keep the public off," she said.

The Division of Parks and the Alaska Department of Fish and Game have wanted to buy the Anchor River lands for years, she said. It's rich territory. About 50,000 to 60,000 people visit every year, she said, mostly to fish. The

See Page B-6. LAND

## Trees cut to reduce fire danger

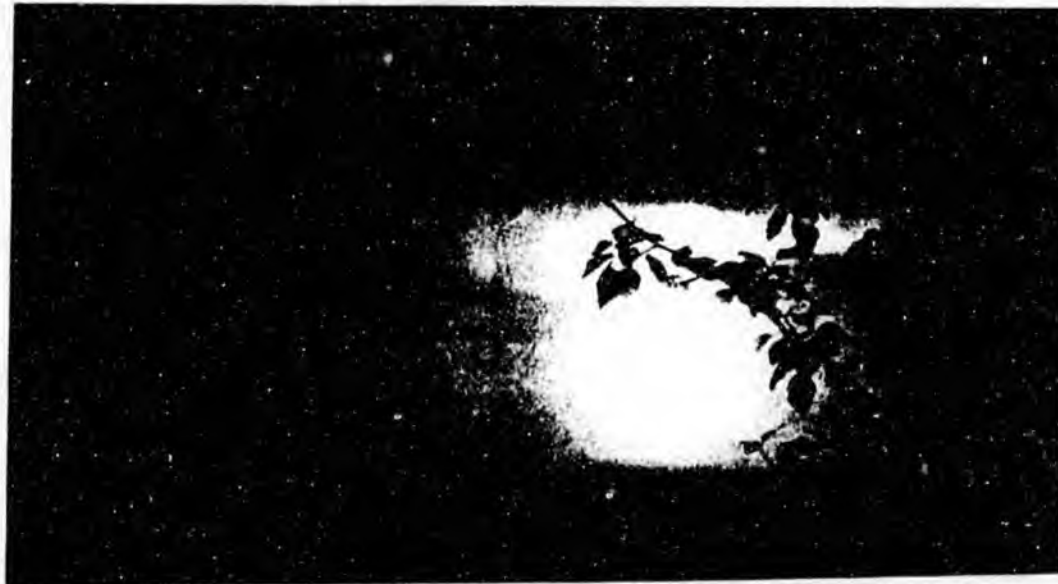
■ **CLEARING:** Crews of firefighters at work in woods throughout city.

By TATABOLINE BRANT  
Anchorage Daily News

Firefighters cut down several tall trees in Kincaid Park last week and chopped them into firewood-size logs, and officials say the work is just one small part of an ongoing federally funded effort to reduce the chance of a bad wildfire in Alaska's largest city.

About a dozen brush piles lined Rasmusen Road near Kin-

## WEST COAST WEATHER



## HUD funds for city in jeopardy

■ **GRANTS:** "It's at a critical stage," says Mayor Begich, who has stepped in.

By ROSEMARY SHINOHARA  
Anchorage Daily News

The new mayor's transition report last week pointed to a crisis in public housing. The city is in danger of losing federal Housing and Urban Development grants next year if it doesn't spend \$2.6 million by Nov. 2.

# LAND: Price undecided

Continued from B-1

season starts Memorial Day with king salmon, then continues through freezeup with runs of silver salmon, Dolly Varden and steelhead trout. Migrating birds stop by every spring and fall, and others spend the winter.

There is strong support for public ownership, Degernes said, but the stumbling block has always been the land appraisal.

"Land like that is difficult to appraise," she said. Comparable lands rarely sell, so there is little to base an estimate of land value on. And the land is impossible to develop because of its wetlands, the constantly changing river course and winter storm damage.

The Kenai Peninsula Borough appraises the Mutch property at \$16,500 and the Jacobs land at \$15,000. The owners believe the parcels are worth much more, as does the state, though neither side will reveal its offer. But they can't agree on a price, Degernes said.

"We can't just pay what the seller wants," she said. "It has to be based on fair market value, and that's been the stumbling block time and time again."

After negotiations with Fish and Game fell apart several years ago, The Nature Conservancy stepped in. The conservancy buys high-value land, often using a combination of government grants and private funds. It won a \$417,000 National Coastal Wetland Conservation grant to buy the Mutch and Jacobs properties, plus another large lot in the same area. A deal looked possible, according to both sides.

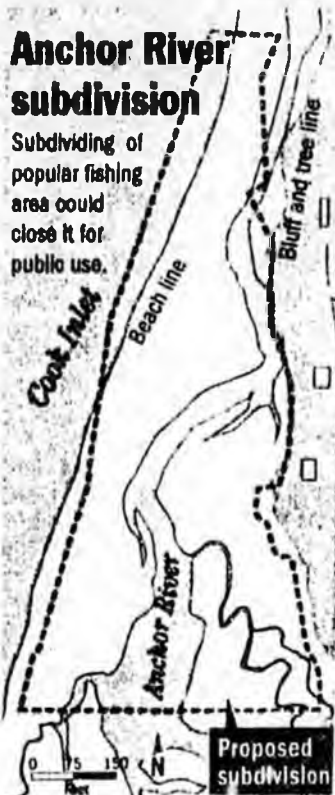
Then a new hurdle arose regarding the river bottom itself. Who owns it?

Surveyor Jerry Anderson, who represents the landowners, said previous court cases make it clear: "The water belongs to the state, but the land underneath (belongs) to the owner." By his reckoning, the two parcels add up to roughly 93 acres.

The Nature Conservancy isn't sure. It wants the issue cleared up to determine how much acreage really exists, said Kenny Powers, the group's director of land protection. "We're

## Anchor River subdivision

Subdividing of popular fishing area could close it for public use.



CHARLES ATKINS / Anchorage Daily News

turn the normally angler-friendly Anchor River into a commercial fishery. More fishermen would likely cause more habitat damage on the grassy banks and stream, he said.

The closure would also block access to the river mouth, a key fishing area. Many anglers start fishing at low tide, walk steadily upstream and follow the fish as the water rises. Except at low tides, they could reach the river mouth with trespassing.

He understands the owners' frustration, Whitmore says. Rowdy teens and adults party on the land every Memorial Day, and even law-abiding fishermen trespass regularly. Nevertheless, he added, "it'd be an absolute catastrophe to have it developed."

Even if the two sides can agree on a price, a potential

land they own. It's just a question of who owns the river bed," he said.

Powers said he thinks a deal is still possible. "The public values are there and the resources are there that deserve public protection, so we're continuing to be interested," he said. All that remains is to agree on a price. "That's the million-dollar question," he said.

The sellers are broadening the market, Anderson said. "If (the state) isn't going to put the money up, they're going to sell it somebody else." The land is too wet for homes or cabins, Anderson said, but people will buy the five-acre lots if only to have a place to park their recreational vehicles.

Local fishermen would hate to see no-trespassing signs appear on the lower river, said Whitmore, who has fished there 30 years. The new subdivision could close off about a mile of riverbank.

"If you lose access to that portion of river, it means you compress those 1,000 fishermen into one-third less space," he said. "The people will still come, but they'll have much less space to fish," which could

Murkowski, who has voiced philosophical objection to the government's buying private land, would have to approve the use of state or federal funds. Last month, he killed one such land deal on Afognak Island while approving another for ski trail land near Homer.

Powers, of The Nature Conservancy, said he doubts the governor would veto a deal. "The state has been very supportive of this acquisition, as has community, because of the high value of the resources," he said. "I'd be surprised if Gov. Murkowski did not support this project."

■ Daily News reporter Joel Gay can be reached at jgay@adn.com or at 257-4310.

OUR LOCAL OFFICE. DRIVE UP IT AS A  
**DRIVE-THRU**  
TO SAVE ON AUTO INSURANCE.

Immediate coverage by phone.  
Low deductibles. E-mail payment plans.  
Speed-the-check via service.

**GEICO**  
DRIVE-THRU

278-2647

840 C St  
(Corner of 9th and C St)

Government Employees Insurance Co. • GEICO General Insurance Co. • GEICO Indemnity Co. • GEICO Casualty Co. • Colonial County Mutual Ins. Co.  
GEICO Washington DC 20018 #100 GEICO

**YOUR GUIDE FOR REALTY**

**Charles Hostetler**  
273-7720 direct  
529-7639 cell  
bigmount@alaska.net  
PRUDENTIAL VSIA REAL ESTATE

**Horseback Riding in Anchorage**

- As Low As \$35 Horse Trekkin
- Children Welcome Alaska
- Military Discounts 868-3728

**MOVE \$SAVERS**  
INSTANT QUOTES TO ANYWHERE USA

You Select The Service

Tacoma	\$2320
Denver	\$3610
Portland	\$2670
Houston	\$4045

243-2245

40' Containers w/ Vehicle & Household Goods  
Licensed • Bonded • Insured  
30 Years Experience

**FREE SKIN CANCER SCREENING**

**JOYS OF SUMMER**

# STATE OF ALASKA

## DEPARTMENT OF FISH AND GAME

*Division of Sport Fish*

**FRANK MURKOWSKI, GOVERNOR**

333 Raspberry Road  
Anchorage, AK 99518-1599  
PHONE: (907) 267-2326  
FAX: (907) 267-2464

Date January 27, 2006

To: Robin Willis

From : Jason Graham

Re: Access for Anchor, Montana, and Salcha Creeks

### **Anchor River**

Accessible: 16723 feet

Non-Accessible: 4542 feet

### **Montana Creek**

Accessible: 29063 feet

Non-Accessible: 17468 feet

### **Salcha Creek**

Accessible: 16181 feet

Non-Accessible: 16134 feet

---

*"... shall manage, protect, maintain, improve, and extend the fish, game and aquatic plant resources of the state in the interest of the economy and general well-being of the state"*



# STATE OF ALASKA

FRANK H. MURKOWSKI, GOVERNOR

## DEPARTMENT OF FISH AND GAME

### DIVISION OF SPORT FISH

333 Raspberry Road  
Anchorage, AK 99518-1599  
PHONE: (907) 267-2342  
FAX: (907) 267-2464

## MEMORANDUM

TO: Robin Willis, Tina Cuning

FROM: Joe Giefer  
Habitat Biologist

DATE: January 23, 2006

SUBJECT: Montana Creek To-and-Along Easements

---

Location depicted on map: Montana Creek USGS Quad TALKEETNA A-1 and TALKEETNA MOUNTAINS A-6, described as secs. 5, 7, and 8, T. 23 N., R.4 W., W.M., and secs. 11, 14, 15, 21, 22, 28, 32, and 33, T. 24 N., R. 4 W., Seward Meridian, Alaska.

The following distances are approximations based on the maps ADF&G has produced, they do not reflect distance's based on Federal, State, or Borough surveys or plats. On the lower reaches of Montana creek, there is approximately 29,063 feet of accessible shoreline and approximately 17,468 feet of non-accessible shoreline.

The private property depicted on the map without To & Along easements are older conveyances from the Federal Government directly to individual private citizens. As far as we know, these parcels are not subject to a To & Along reservation. In an effort to err on the side of caution, if it's not clear that there is access along the shoreline, ADF&G has assumed that there is not and has depicted it as such on our map. It is possible that some areas depicted as not having access do actually in fact have access, and this could be for a variety of reasons that cant be clarified until further research is done, particularly having some time spent on the ground looking at these areas on a site specific basis.

In secs. 11, 14, 15, 21, and 22, of T. 24 N., R. 4 W., both banks of Montana Creek are subject to a To & Along easement. Secs. 28, 32, and 33 of T. 24 N., R. 4 W., are composed of private parcels not subject to a To & Along reservation.

In T. 23 N., R. 4 W., both banks of Montana creek are subject to easements thru a small reach of State owned land in the N/E corner of sec. 5. In the S/W corner of sec. 5, the creek is subject to a To & Along on river-left, thru the extreme N/W corner of sec. 8, and on into sec. 7 where both banks are subject to a easement for a short distance, then again there is only a easement on river-left downriver to where Montana Creek flows into the Susitna River.



# STATE OF ALASKA

FRANK H. MURKOWSKI, GOVERNOR

## DEPARTMENT OF FISH AND GAME

### DIVISION OF SPORT FISH

333 Raspberry Road  
Anchorage, AK 99518-1599  
PHONE: (907) 267-2342  
FAX: (907) 267-2464

## MEMORANDUM

TO: Robin Willis, Tina Cuning

FROM: Joe Giefer  
Habitat Biologist

DATE: January 27, 2006

SUBJECT: Salcha River To-and-Along Easements

---

The location depicted on map is the Salcha River, USGS Quad BIG DELTA B-6, sections 21 and 22, T. 5 S., R.4 E., Fairbanks Meridian, Alaska.

In this particular stretch of the Salcha, the current path of the river is an approximation at best, there is no current aerial photography or surveyed hydrography to use as a reference when comparing the river corridor to the adjacent uplands. The private properties depicted on the map without "To & Along" easements are generally older conveyances from the Federal Government directly to individual private citizens. As far as we know, these parcels are not subject to a "To & Along" reservation. In an effort to err on the side of caution, if it is not clear that there is access along the shoreline, ADF&G has assumed that there is not access and has depicted it as such on our map. It is possible that some areas depicted as not having access do actually have access, and this could be for a variety of reasons that can not be clarified until further research is done, particularly by spending some time on the ground looking at these areas on a site specific basis.

The following distances are approximations based on the maps ADF&G has produced, they do not reflect distances based on Federal, State, or Borough surveys or plats. On the reaches depicted in the maps of the Salcha River, there is approximately 16,181 feet of accessible shoreline and approximately 16,134 feet of non-accessible shoreline.

In sec. 22, there is a small tract of State owned land on both banks of the Salcha where the Richardson Highway crosses the river. These state owned tracts are subject to easements. There is also a boat launch on these same state owned tracts.



---

In sec. 21, all the privately held land adjacent to the Salcha is subject to a To & Along easement. The west half of the northwest corner of sec. 21 is state owned land, immediately to the west of this tract is the confluence of the Tanana and the Salcha rivers.

# STATE OF ALASKA

FRANK H. MURKOWSKI, GOVERNOR

## DEPARTMENT OF FISH AND GAME DIVISION OF SPORT FISH

333 Raspberry Road  
Anchorage, AK 99518-1599  
PHONE: (907) 267-2342  
FAX: (907) 267-2464

### MEMORANDUM

TO: Robin Willis, Tina Cuning

FROM: Joe Giefer  
Habitat Biologist

DATE: January 27, 2006

SUBJECT: Anchor River "To-and-Along" Easements (AS 38.05.127)

---

The location depicted on map is the Anchor River, from the Sterling Highway downstream to the mouth of the river. This area can be found on USGS quad Seldovia D-5, section 33 of T. 4 S., R. 15 W., and sections 5, 4, 3, 10, 11, of T. 5 S., R. 15 W., Seward Meridian, Alaska

The following distances are approximate based on the maps ADF&G has produced, they do not reflect distances based on Federal, State, or Borough surveys or plats. On the reaches depicted on the map of the Anchor River, there is approximately 16,723 feet of accessible shoreline and approximately 4,542 feet of non-accessible shoreline.

Mapping the Anchor River in this area is particularly problematic given its tendency to move and meander over time as it nears the coast. The river channel we are using as a template is from year 2000 satellite imagery that we digitized and placed over the parcel boundary information. The private properties depicted on the map without "To & Along" easements are generally older conveyances from the Federal Government directly to individual private citizens. As far as we know, these parcels are not subject to a "To & Along" reservation. In an effort to err on the side of caution, if it is not clear that there is access along the shoreline, ADF&G has assumed that there is not access and has depicted it as such on our map. It is possible that some areas depicted as not having access do actually have access, and this could be for a variety of reasons that can not be clarified until further research is done, particularly by spending some time on the ground looking at these areas on a site specific basis.

In section 33, T. 4 S., R. 15 W., from the mouth of the river upstream to section 5, T. 5 S., R. 15 W., there is a small peninsula shaped parcel on river-left subject to an easement, however it is not continuous upstream into the adjoining southern section. In this area there appears to be no "To & Along" on a short stretch of uplands on river-left, and approximately the last ½ mile of shoreline of river-right at the mouth. Continuing upstream, where the river flows through state land in sec. 5, T. 5

---

*"... shall manage, protect, maintain, improve, and extend the fish, game and aquatic plant resources of the state in the interest of the economy and general well-being of the state"*



S., R. 15 W., and continues east across sec. 4 of the same township/range both banks of the Anchor River are subject to an along easement, this is mostly state lands and access is assumed. The remaining area where access appears limited is a short distance from the highway downstream to where the river enters State land.

As you continue upstream where the river enters sections 10, 11, and into 14 of T. 5 S., R. 15 W., which is not depicted on map, uplands on river-right were conveyed from the United States to the Mental Health Trust. Lands on river-left were conveyed to the University and a small parcel has become part of the Mental Health Trust. The University and Mental Health Trust Lands have been inconsistently subject to provisions of Title 38 so shoreline access is unclear along these stretches of river.

Representative Les Gara  
State Capitol  
Juneau, AK 99801

January 9, 2007

Re: HB40

Dear Representative Gara:

The Kenai River Sportfishing Association (KRSA) supports the legislative objective of House Bill 40, an act relating to voluntary land trades and purchases to enhance public access to fishing streams.

Alaska is home to some of the best sportfishing, personal use and subsistence opportunities in the world, and HB40 is an important piece of legislation that provides ADF&G and ADNR a mechanism to ensure broad public access to these important public resources. HB40 places into statute a process that mandates the Commissioner of ADF&G list land along fishing waterways where access is impeded by private land ownership and the Commissioner of ADNR responsible for proceeding to acquire public access across those lands.

KRSA is a non-profit 501 ( c ) 3 conservation organization dedicated to ensuring the sustainability of the greatest sportfishing river in the world – the Kenai. Our goals are to conserve and rehabilitate fisheries habitat, promote predictable and meaningful sportfishing opportunity, encourage and foster fisheries research and provide public aquatic education. Over the past ten years we have raised and invested over \$5 million towards these goals.

While on the Kenai River (the primary focus of our organization) there is broad public access to its fishery resources, KRSA has been concerned with the privatization of public lands along other waterways in our state which reduces or eliminates public access to some of our prized sport fishing rivers and streams. On the Kenai Peninsula, we have public access concerns on the neighboring rivers of the Kenai, specifically the Anchor, Deep Creek and Kasilof. If public access is denied or severely restricted on these neighboring rivers, it will only serve to place more pressures on the Kenai itself, which is already the state's most popular sport and personal use fishery.

KRSA supports the public access mechanisms in place in the bill, such as using public easements and land trades as well as outright purchases of the land with voluntary private land owners, and we are also very encouraged that the right of eminent domain may not be exercised to acquire land or interest in land. The initial nominations, which include the Anchor and Deep Creek, could have a significant positive impact on public access to fishery resources in on the Kenai Peninsula as well as other areas of the state.

We appreciate your efforts and those of your colleagues in regards to HB40.

Respectfully,

Ron Rainey  
Board Vice President

**The following letters were written in support of last  
year's version of HB40**



Representative Les Gara  
State Capital  
Juneau, AK 99801

Re: HB: 37

Dear Representative Gara:

I'm pleased to write to you in support of H.B. 37. Trout Unlimited's 158,000 members are dedicated to conserving, protecting and restoring North America's trout and salmon fisheries and their watersheds; your legislation helps achieve these goals.

Trout Unlimited is encouraged by the process to be established in HR37 whereby the State will work to not only preserve but expand public access to our fishery resources through the acquisition of private lands. Alaska is blessed with a wealth of public land, providing residents and visitors unequaled access to its lakes rivers and streams. This legislation will make a good situation even better through the use of land trades, access easements, and outright purchase of key land parcels.

Thank you Representative Gara, for your foresight and strong support for sportfishing and Alaska's sportfishing community.

Sincerely,

Tim Bristol/Director  
Trout Unlimited Alaska Program 12/12/05

419 Sixth Street, Suite 200  
Juneau, AK 99801  
907-321-3291  
Tbristol@tu.org

**Cindy Smith**

---

**From:** Phil Cutler [filcut@ak.net]  
**Sent:** Friday, March 18, 2005 9:40 PM  
**To:** Cindy Smith  
**Cc:** Jeff Parker  
**Subject:** HB 37 GARA

## **Alaska Sportfishing Association**

**P. O. Box 243106 Anchorage, AK 99524**

**Representative Les Gara  
State Capitol  
Juneau, AK 99801**

**Re: HB37**

**Dear Representative Gara,**

**I have presented HB37 at the latest Board of Directors meeting and the latest public membership meeting of the Alaska Sportfishing Association. After thorough discussion at both venues, I am pleased to relate that we enthusiastically support this legislation.**

**The Alaska Sportfishing Association has prided itself in being an organization that works to promote access to areas where sport fishing can be done in concert with sustained yield of the fishery and proper environmental safeguards. One of our longstanding concerns has been the privatization of public lands which in turn reduces or eliminates public access to some of our prized sport fishing rivers and streams.**

**HB37 places into statute a process that mandates that the Commissioner of Fish and Game nominate privately owned lands that might be returned to public ownership. It also makes the Commissioner of Natural Resources responsible to effecting the acquisition of the lands nominated.**

**Much of our discussions were centered on the methods SB37 promotes to acquire the land. Our fiscally conservative members were pleased that the bill endorsed using public easements and land trades as well as outright purchase of the land. The members were excited that your initial nominations could have a significant positive impact on sport fishing access in South-central and Interior Alaska.**

**We appreciate your efforts in sponsoring HB37.**

**Phil Cutler, President**



# ALASKA FLYFISHERS

Winners of the 1994 McKenzie Cup



March 9, 2005

Dear Representative Gara:

Based on our collective individual and organizational experience, the Alaska Fly Fishers strongly support the objective of House Bill 37.


The Alaska Fly Fishers (AFF) was founded in 1973 at Anchorage with the objectives of "to preserve the sport of fly fishing, advance the principles of fair chase and fair catch, educate members and the public in the necessity of preserving our outdoor heritage, promote the ethical utilization of the resources of our woods and waters and to organize and unite the fly fishers of Alaska for mutual community benefit." AFF is one of the largest sport fishing organizations in Alaska. I feel we have consistently taken actions which support those objectives.

For nearly as long as AFF has existed, we have provided public education (at low or no cost), participated in conservations projects, and participated in organizations which contribute to Alaska's natural resources. Our public education includes annual seminars on fly fishing, fly tying, and donations of books to the public libraries. Conservation projects include an annual Kenai River Cleanup (for 11 consecutive years), bank stabilization of Campbell Creek, and bank stabilization at Jim's Landing on the Kenai River. The organizations our members have participated in include Fish & Game Advisory Committees and Regional Subsistence Advisory Councils.

An important element of maintaining our habitat and resources is public involvement and support. In order to do this, the public must a vested interest. If they are denied access to these resources, we can't expect this broad support.

The AFF concludes that the objectives of HB 37 are mutually supportive of the objectives of AFF.

Sincerely,

  
Bob Fairchild  
President

ALASKA

/ Frank H Murkowski, Governor

**Cooper Landing Fish & Game  
Advisory Committee**

Bill Stockwell, Chair  
PO Box 721  
Cooper Landing, AK 99572-0721  
Phone: 595-1540

December 12, 2005

Senator Tom Wagoner  
Chairman, Senate Resources Committee 145  
Main Street Loop, Suite 226 Kenai, AK  
99611

SUBJECT: HB 37 State Land Trades/Purchases With Willing  
Landowners To Regain Fishing Stream Access

Senator Wagoner,

At our November 9, 2005 Meeting, the Cooper Landing Fish and Game Advisory Committee voted to SUPPORT House Bill 37 which has passed the House. We have written to our Senator Gary Stevens requesting his support and now ask for your support as Chairman of the Senate Resources Committee.

As a fish and game advisory committee, we support ample access to all our fish and wildlife resources. Any loss of access is a loss of public recreational opportunity, an economy loss to tourism, and an unnecessary loss of use of our common use resources. Loss of bank access along fishing streams such as the Anchor River and the Cooper River Dip Net fishery have already become a problem and access to the Mat Valley streams may soon be the next issue.

Thank you very much for your careful consideration of this issue. Please support this issue when it comes before your Committee. When access is lost, it is gone forever.

  
Bill Stockwell, Chair

cc: Senator Gary Stevens  
Representative Les Gara  
Sherry Wright, ADF&G Boards Support

Sincerely,

Alaska State Legislature  
House of Representatives

Session address:  
Alaska State Capitol  
Juneau, Alaska 99801-1182  
1-888-465-2647 (toll free)  
1-907-465-3518 (fax)


Interim address:  
716 West 4th Avenue  
Anchorage, Alaska 99501-2133  
1-907-269-0106  
1-907-269-0109 (fax)

Representative Les Gara

MEMORANDUM

DATE: January 16, 2007

TO: Rep. Carl Gatto, Co-Chair  
Rep. Craig Johnson, Co-Chair  
House Resources Committee

FROM: Rep. Les Gara 

RE: Hearing Request for HB 40, Fishing Stream Access

---

I respectfully request that House Bill 40, relating fishing stream access, be scheduled for a hearing in the House Resources Committee. Please feel free to contact me, or my aide Darcy Dugan, with questions or thoughts at 465-2647.

Attached you will find a background packet for HB 40. This includes the current version of the bill, a sponsor's statement, and backup materials.

Thank you for your consideration.

**HOUSE BILL NO. 40**  
**IN THE LEGISLATURE OF THE STATE OF ALASKA**  
**TWENTY-FIFTH LEGISLATURE - FIRST SESSION**

**BY REPRESENTATIVE GARA**

**Introduced: 1/16/07**  
**Referred: Resources, Finance**

**A BILL**  
**FOR AN ACT ENTITLED**

1 **"An Act relating to voluntary land trades, purchases, and leases to enhance public**  
2 **access to certain streams for fishing, hunting, and recreational activities."**

3 **BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:**

4 **\* Section 1.** AS 16.05 is amended by adding a new section to read:

5 **Sec. 16.05.096. Identification of privately held land along fishing**  
6 **waterways.** (a) Subject to (h) of this section, before July 1 of each year, the  
7 commissioner shall submit to the commissioner of natural resources a list of land  
8 along the following fishing waterways and additional waterways identified under (c)  
9 of this section where access to the waterways is impeded by private land ownership:

10 (1) adjacent to or near Montana Creek, Goose Creek, Little Willow  
11 Creek, and Willow Creek above the Parks Highway;

12 (2) along Anchor River and Deep Creek on the Kenai Peninsula; and

13 (3) along the Salcha River located off the Richardson Highway.

14 (b) When identifying land for the list in (a) and (c) of this section, the

1 commissioner shall

2 (1) solicit and review input from the public concerning land that may  
3 be included on the list; and

4 (2) only include on the list land across which the owner voluntarily is  
5 willing to allow or negotiate public access.

6 (c) Factors to be considered by the commissioner when identifying land to be  
7 listed under (a) and (e) of this section include whether

8 (1) private land ownership prevents public access to a section of the  
9 waterway for its fishing, hunting, or other recreational attributes; and

10 (2) public access to a section of the waterway would significantly  
11 enhance the public's enjoyment of that waterway.

12 (d) In reviewing land for identification under (a) and (e) of this section, the  
13 commissioner shall give priority to land leading to and along fishing waterways that

14 (1) is reasonably accessible, including by backcountry hiking or off-  
15 road vehicle, from the state's road system;

16 (2) is undeveloped and may be acquired by the state through purchase  
17 or trade.

18 (e) After considering the factors in (c) of this section and establishing priority  
19 under (d) of this section, the commissioner may add land to the list along a waterway  
20 not listed in (a) of this section, except that land adjacent to the Kenai River that is  
21 downstream of Skilak Lake may not be added to the list.

22 (f) The decision by the commissioner to include or exclude land on the list in  
23 (a) of this section is within the discretion of the commissioner and is not subject to  
24 appeal. The commissioner shall, however, make the list proposed to be submitted to  
25 the commissioner of natural resources publicly available before submission of the list  
26 and may consider public comment before submission of the list.

27 (g) The commissioner may remove land from the list described in (a) of this  
28 section if the owner of the land is no longer interested in a voluntary sale, trade, or  
29 other transfer of an interest for the purpose of providing access to a waterway.

30 (h) The commissioner is not required to submit a new list of land under (a) of  
31 this section if

1 (1) the existing list includes two or more meander miles of land along  
2 fishing waterways; or

3 (2) no land is available for which the owner voluntarily is willing to  
4 allow or negotiate public access.

5 (i) In this section, "fishing waterway" means a waterway that contains wild  
6 sport fish or fish of a species, physical size, and abundance that may support a sport,  
7 commercial, personal use, or subsistence fishery.

8 \* Sec. 2. AS 38.50 is amended by adding a new section to read:

9 **Sec. 38.50.015. Access to fishing waterways.** (a) After receiving from the  
10 commissioner of fish and game a list prepared under AS 16.05.096 that identifies land  
11 along fishing waterways where access to the waterways is impeded by private land  
12 ownership, the commissioner may proceed to acquire public access to waterways  
13 across those lands. Nothing in this section expands the right of eminent domain for a  
14 public use beyond the uses authorized under AS 09.55.240.

15 (b) The commissioner may use money from the public access fund established  
16 under AS 38.05.874 for the purchase or lease of an easement, purchase of land,  
17 purchase or lease of another property interest in land, or costs related to land trades to  
18 obtain a property interest in land identified under AS 16.05.096. Money from the  
19 public access fund may not be used to obtain a property interest in land identified  
20 under AS 16.05.096 through the exercise of the right of eminent domain.

21 (c) The commissioner may not obtain a property interest in land under ~~AS 38.05.050~~  
22 this section unless the commissioner has made not less than an equivalent <sup>amount</sup> ~~amount~~ of  
23 state land available for disposal for private use under AS 38.05.050 in the same fiscal  
24 year.

25 (d) An agreement for a public access easement may allow the owner of the  
26 land granting the easement to develop the land subject to the rights granted by the  
27 easement.

28 (e) Before February 1 of each year, the commissioner and the commissioner of  
29 fish and game shall submit <sup>the legislature</sup> a plan to ~~acquire~~ acquire public access to fishing waterways  
30 through trade or purchase for the following fiscal year. The plan must include a  
31 minimum access to not less than a total of two and not more than five meander miles

1 along fishing waterways unless this amount of land is unavailable for sale or lease  
2 from a willing land owner. Within 60 days after receiving a written request from a  
3 landowner requesting the removal of the landowner's land from the list to be acquired  
4 under the plan, the commissioner shall remove the landowner's land from the list, even  
5 if the removal leaves less than two meander miles along fishing waterways.

6 (f) The commissioner or the commissioner of fish and game may close or  
7 restrict public access acquired under this section if necessary to protect habitat along a  
8 fishing waterway.

9 (g) In this section,

10 (1) "fishing waterway" has the meaning in AS 16.05.096;

11 (2) "meander mile" means a distance of one mile measured following  
12 the course of a waterway.

13 \* Sec. 3. The uncodified law of the State of Alaska is amended by adding a new section to  
14 read:

15 LAND TO BE CONSIDERED FOR FIRST LIST. Notwithstanding the discretion of  
16 the commissioner of fish and game under AS 16.05.096, as enacted in sec. 1 of this Act, the  
17 commissioner of fish and game shall submit to the commissioner of natural resources before  
18 July 1 following the effective date of this Act a description of land

19 (1) adjacent to or near Montana Creek above the Parks Highway on waterways  
20 that are open to trout and grayling fishing; and

21 (2) along Anchor River on the Kenai Peninsula where the waterways are open  
22 to steelhead, salmon, Dolly Varden, or trout fishing.

# FISCAL NOTE

**STATE OF ALASKA**  
**2007 LEGISLATIVE SESSION**

Fiscal Note Number: \_\_\_\_\_  
 Bill Version: HB040-DNR-Title-01-30-07  
 ( ) Publish Date: \_\_\_\_\_

Revision Date/Time (Note if correction): \_\_\_\_\_ Dept. Affected: \_\_\_\_\_  
 Title Public access to fishing streams RDU Natural Resources  
 Component Resource Development  
 Sponsor Rep. Gara Title Acquisition and Defense \_\_\_\_\_  
 Requester (H) RES Component No. 2459

**Expenditures/Revenues** (Thousands of Dollars)

Note: Amounts do not include inflation unless otherwise noted below.

OPERATING EXPENDITURES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Personal Services	48.0	48.0	48.0	48.0	48.0	48.0
Travel	2.0	2.0	2.0	2.0	2.0	2.0
Contractual	7.2	7.2	7.2	7.2	7.2	7.2
Supplies	1.0	1.0	1.0	1.0	1.0	1.0
Equipment						
Land & Structures						
Grants & Claims						
Miscellaneous						
<b>TOTAL OPERATING</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>

<b>CAPITAL EXPENDITURES</b>						
-----------------------------	--	--	--	--	--	--

<b>CHANGE IN REVENUES ( )</b>						
-------------------------------	--	--	--	--	--	--

**FUND SOURCE** (Thousands of Dollars)

1002 Federal Receipts						
1003 GF Match						
1004 GF	58.2	58.2	58.2	58.2	58.2	58.2
1005 GF/Program Receipts						
1037 GF/Mental Health						
Other (Specify Type--Do not abbreviate)						
<b>TOTAL</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>	<b>58.2</b>

Estimate of any current year (FY2007) cost: 0.0

Check this box (X) if funding for this bill is included in the Governor's FY 2008 budget proposal:

**POSITIONS**

Full-time						
Part-time	1	1	1	1	1	1
Temporary						

**ANALYSIS:** (Attach a separate page if necessary)

This bill requires DNR, working with the Alaska Department of Fish and Game (ADF&G), to identify private lands that the state should acquire to provide public access to and along popular fishing streams, and then directs DNR to pursue acquisition through purchase of easements, land exchanges, and or fee simple purchase.

This bill also requires ADF&G to identify undeveloped land along popular fishing streams for possible acquisition. The bill identifies two areas where this process will look at first, but envisions an ongoing, statewide process. ADF&G then submits the list of parcels to DNR to acquire the land.

Prepared by: Dick Mylius, Acting Director Phone 269-8625  
 Division: Mining, Land & Water Date/Time 1/30/2007  
 Approved by: Marty Rutherford, Acting Commissioner Date 1/30/2007  
 Agency: Natural Resources

# ALASKA STATE LEGISLATURE



REPRESENTATIVE LES GARA

## **HB40: Protecting Public Access to Fishing Waters**

Most states have allowed vast amounts of public access to their fishing streams disappear. We can avoid this mistake in Alaska, but only if we begin to take stronger steps to protect our public access soon. Alaskans enjoy unparalleled fishing and outdoor recreation on our rivers and streams because our waterways remain largely accessible to all of our citizens. We should work to protect this uniquely Alaskan privilege for future generations.

While fishing waters are largely public in Alaska, the lands that allow access to them often are not. While the state is required to protect public access when it disposes of state land, the federal government does not have similar requirements. This means public access on many of Alaska's most important and enjoyed roadside rivers and streams can be blocked by property owners. To date, these lands remain undeveloped, and property owners have allowed access to continue. However, this will change as these lands are developed and the public loses access rights.

House Bill 40 (HB40) is a proactive measure. It encourages the Department of Natural Resources, in conjunction with the Department of Fish and Game, to identify lands along important fishing streams where public access does not legally exist, and will be lost to future development. The Commissioner of DNR is directed to take action, as funding is available, to negotiate voluntary land sales, easement purchases and land trades with private property owners before these lands are developed and access is blocked.

There are many examples of popular trout, grayling and salmon streams where access may be lost. On the Kenai Peninsula, long stretches of stream bank on Deep Creek and the Anchor River are lined with private land that can be closed to public access by property owners, and will be closed when the lands are developed. Likewise, more than three miles of private land along the banks of Montana Creek, where fishermen enjoy trout and grayling fishing, are at risk in the Mat-Su Valley. Other popular roadside streams that might face the same future problem include the Salcha River near North Pole, and streams along the Parks Highway such as Willow, Little Willow and Goose Creek.

HB40 promotes the goal of private land ownership in Alaska, and provides that the gain of fishing stream access should be offset by continued sales and disposals of state land to private owners in other areas of the state that don't affect important waterway access.

Please feel to contact our office if you have any questions or need any information. A version of this bill passed the House in 2005. We would appreciate your support this session.

# ALASKA STATE LEGISLATURE



REPRESENTATIVE LES GARA

## **HB 40: Sectional Analysis Protecting Public Access to Fishing Waters**

The bill's sections provide as follows:

**Section 1.** This section gives the Commissioner of the Department of Natural Resources (DNR) the authority to prioritize lands that provide important public fishing stream access after public comment and consultation with the Alaska Department of Fish and Game (ADFG). The lands are limited to specific creeks along the Parks Highway, Kenai Peninsula, and Richardson Highway that would significantly enhance the public's enjoyment of the waterway, and the list will only include property with owners willing to sell or negotiate access across their land. To prevent unneeded expense, the Commissioner's determinations are not appealable. The Commissioner is given the leeway to make these decisions, and is allowed to make the decisions upon available agency knowledge and public comment without engaging in expensive study.

**Section 2.** With the prioritized list, the Commissioner of DNR will attempt to acquire these lands using money from a public access fund. The amount of land obtained by the State under this bill cannot exceed the amount of state land disposed to private use during the same year, so there is no net loss of private land. Eminent domain cannot be exercised under this section, as any purchases or trades will be purely voluntary under this bill. The Commissioners of DNR and ADFG will submit a new plan for access acquisition each year which will contain between two and five miles of stream bank property prioritized for purchase or trade.

**Section 3.** The Commissioner is encouraged to prioritize property along Montana Creek and the Anchor River for acquisition, as they are particularly significant fishing areas.

Alaska State Legislature  
House of Representatives

Session address:  
Alaska State Capitol  
Juneau, Alaska 99801-1182  
1-888-465-2647 (toll free)  
1-907-465-3518 (fax)

Interim address:  
716 West 4th Avenue  
Anchorage, Alaska 99501-2133  
1-907-269-0106  
1-907-269-0109 (fax)




Representative Les Gara

MEMORANDUM

DATE: January 16, 2007

TO: Rep. Carl Gatto, Co-Chair  
Rep. Craig Johnson, Co-Chair  
House Resources Committee

FROM: Rep. Les Gara 

RE: Hearing Request for HB 40, Fishing Stream Access

I respectfully request that House Bill 40, relating fishing stream access, be scheduled for a hearing in the House Resources Committee. Please feel free to contact me, or my aide Darcy Dugan, with questions or thoughts at 465-2647.

Attached you will find a background packet for HB 40. This includes the current version of the bill, a sponsor's statement, and backup materials.

Thank you for your consideration.

Alaska State Legislature  
House of Representatives

Session address:  
Alaska State Capitol  
Juneau, Alaska 99801-1182  
1-888-465-2647 (toll free)  
1-907-465-3518 (fax)




Interim address:  
716 West 4th Avenue  
Anchorage, Alaska 99501-2133  
1-907-269-0106  
1-907-269-0109 (fax)

Representative Les Gara

MEMORANDUM

DATE: January 16, 2007

TO: Rep. Carl Gatto, Co-Chair  
Rep. Craig Johnson, Co-Chair  
House Resources Committee

FROM: Rep. Les Gara 

RE: Hearing Request for HB 40, Fishing Stream Access

---

I respectfully request that House Bill 40, relating fishing stream access, be scheduled for a hearing in the House Resources Committee. Please feel free to contact me, or my aide Darcy Dugan, with questions or thoughts at 465-2647.

Attached you will find a background packet for HB 40. This includes the current version of the bill, a sponsor's statement, and backup material.

Thank you for your consideration.

## FISCAL NOTE

STATE OF ALASKA  
2007 LEGISLATIVE SESSION

BILL NO. HB040-DNR-Title-01-30-07

### ANALYSIS CONTINUATION

This fiscal note does not include the actual cost to negotiate and appraise individual acquisitions, and does not include funding to pay the purchase price for acquisitions.

This fiscal note assumes that ADF&G will provide DNR with a list of parcels, maps of the parcels, names and addresses of property owners, and other information about the parcels. ADF&G will be responsible for these costs.

Section 2 of the bill allows DNR to acquire the lands identified by ADF&G. This fiscal note only includes DNR's costs to conduct initial land title work, field inspections of parcels to be acquired, preliminary land cost estimates and preliminary discussions with the owners of parcels that the state desires to acquire.

After these preliminary discussions, DNR would then request appropriations from the legislature to fund work on each parcel or group of parcels, including costs for negotiation, appraisals, surveys, complete land title reviews, and purchase of the land. If the specific acquisitions are not funded, DNR would not be able to pursue the acquisitions further.

DNR's initial costs that are included in this Fiscal Note are:

#### PERSONAL SERVICES - \$48.0

Natural Resource Specialist (NRS) III (1 month) and Land Appraiser II (1 month) (each range 18s) - total 2 months @ \$7.2/month = \$14.4 - to discuss acquisitions with property owners and estimate costs associated with individual parcel acquisitions.

Natural Resource Specialist (NRS) I (range 14) - 6 months @ \$5.6/month = \$33.6 - to conduct initial land title, preliminary valuation, and other research for all parcels.

TRAVEL, CONTRACTUAL, SUPPLIES - total \$10.2 - includes travel to sites (initial areas are all road accessible), research of municipal title records, office supplies, and mandatory position costs which include lease space, phone services, computer services, DOA core services charges.

#### LONG TERM COSTS ASSOCIATED WITH ACTUAL ACQUISITIONS - Not included in Fiscal Note.

This fiscal note does not include the cost associated with negotiating the land purchase or exchanges, land appraisals, preparing a full title report, preparing and recording title documents, any necessary survey costs, and other related costs. DNR's experience with recent land acquisitions indicates that one NRS III position can negotiate and coordinate about four acquisitions per year. Some support staff time is also needed for document preparation, record keeping, additional title research, etc. Based on this, the estimated cost for each purchase is \$50.0 (\$35.0 for personal services and \$15.0 for contractual services including appraisal, survey and environmental audit).

Land exchanges are significantly more labor intensive, based on recent experience the cost for land exchanges is \$50.0 to \$100.0 per parcel.

Actual acquisition costs will vary by area and size of parcels. DNR estimates that parcels that provide access to Montana and Willow Creeks along the Parks Highway will cost about \$7,500 per acre for 5-10 acre parcels (\$37.5 - \$75.0 per parcel). Recent ADF&G purchases of parcels for access along the Anchor River and Deep Creek on the Kenai Peninsula were higher, averaging about \$100.0 per parcel.

# FISCAL NOTE

**STATE OF ALASKA**  
**2007 LEGISLATIVE SESSION**

Fiscal Note Number: \_\_\_\_\_  
 Bill Version: HB40(RES)  
 () Publish Date: \_\_\_\_\_

Revision Date/Time (Note if correction): \_\_\_\_\_ Dept. Affected: Fish & Game  
 Title: Public access to fishing streams RDU: Sport Fisheries  
 Component: Sport Fisheries  
 Sponsor: Rep. Gara  
 Requester: House Resources Committee Component No.: 464

**Expenditures/Revenues** (Thousands of Dollars)

Note: Amounts do not include inflation unless otherwise noted below.

OPERATING EXPENDITURES	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Personal Services	38.8	21.6	21.6	21.6	21.6	21.6
Travel	2.0	1.0	1.0	1.0	1.0	1.0
Contractual	1.0	1.0	1.0	1.0	1.0	1.0
Supplies	1.0	1.0	1.0	1.0	1.0	1.0
Equipment						
Land & Structures						
Grants & Claims						
Miscellaneous						
<b>TOTAL OPERATING</b>	<b>42.8</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>

<b>CAPITAL EXPENDITURES</b>						
-----------------------------	--	--	--	--	--	--

<b>CHANGE IN REVENUES ( )</b>						
-------------------------------	--	--	--	--	--	--

**FUND SOURCE** (Thousands of Dollars)

1002 Federal Receipts						
1003 GF Match						
1004 GF	42.8	24.6	24.6	24.6	24.6	24.6
1005 GF/Program Receipts						
1037 GF/Mental Health						
Other (Specify Type--Do not abbreviate)						
<b>TOTAL</b>	<b>42.8</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>	<b>24.6</b>

Estimate of any current year (FY2007) cost: 0.0  
 Check this box (X) if funding for this bill is included in the Governor's FY 2008 budget proposal:

**POSITIONS**

Full-time						
Part-time	1	1	1	1	1	1
Temporary						

**ANALYSIS:** (Attach a separate page if necessary)

This bill requires ADF&G, working with the ADNRR, to identify private lands that the state should acquire to provide public access to and along popular fishing streams, and then directs DNR to pursue acquisition through purchase of easements, land exchanges, and or fee simple purchase.

The bill specifically requires ADF&G to identify land along popular fishing streams for possible acquisition. The bill identifies several areas where this process will look at first, but envisions an ongoing, statewide process. The bill also requires ADF&G to identify willingness of land owners to sell land or easements. ADF&G then submits the list of parcels to DNR to acquire the land.

Prepared by: Kelly Hepler, Director Phone 465-6184  
 Division: Sport Fisheries Date/Time 1/30/07 1:00 PM  
 Approved by: Tom Lawson, Director Date 1/30/2007  
 Agency: Fish & Game

FISCAL NOTE

STATE OF ALASKA  
2007 LEGISLATIVE SESSION

BILL NO. HB 40

**ANALYSIS CONTINUATION**

This fiscal note assumes that ADF&G will provide DNR with a list of parcels, maps of the parcels, names and addresses of willing sellers (property owners), and other information about the parcels. Estimated costs for these activities during FY2008 are:

Line 100: \$38.8K

HB III (4 months) to conduct land ownership and easement research

HB III (1 month) to identify willing land owners.

Cartographic support (1.5 months) to prepare maps for transfer to DNR.

Lines 200-500: total \$4.0K

Includes travel to sites (initial areas are all road accessible), research of municipal title records, office supplies, etc.

These costs will be reduced to \$24.6K in FY2009 as work on the identified water bodies in the bill is completed and the program shifts to a smaller, statewide program.

# STATE OF ALASKA

## DEPARTMENT OF FISH AND GAME

*Division of Sport Fish*

**FRANK MURKOWSKI, GOVERNOR**

333 Raspberry Road  
Anchorage, AK 99518-1599  
PHONE: (907) 267-2326  
FAX: (907) 267-2464

Date January 27, 2006

To: Robin Willis

From: Jason Graham

Re: Access for Anchor, Montana, and Salcha Creeks

### **Anchor River**

Accessible: 16723 feet

Non-Accessible: 4542 feet

### **Montana Creek**

Accessible: 29063 feet

Non-Accessible: 17468 feet

### **Salcha Creek**

Accessible: 16181 feet

Non-Accessible: 16134 feet



# STATE OF ALASKA

FRANK H. MURKOWSKI, GOVERNOR

## DEPARTMENT OF FISH AND GAME

333 Raspberry Road  
Anchorage, AK 99518-1599  
PHONE: (907) 267-2342  
FAX: (907) 267-2464

### DIVISION OF SPORT FISH

## MEMORANDUM

**TO:** Robin Willis, Tina Cunning  
**FROM:** Joe Giefer  
Habitat Biologist  
**DATE:** January 23, 2006  
**SUBJECT:** Montana Creek To-and-Along Easements

---

Location depicted on map: Montana Creek, USGS Quad TALKEETNA A-1 and TALKEETNA MOUNTAINS A-6, described as secs. 5, 7, and 8, T. 23 N., R.4 W., W.M., and secs. 11, 14, 15, 21, 22, 28, 32, and 33, T. 24 N., R. 4 W., Seward Meridian, Alaska.

The following distances are approximations based on the maps ADF&G has produced, they do not reflect distance's based on Federal, State, or Borough surveys or plats. On the lower reaches of Montana creek, there is approximately 29,063 feet of accessible shoreline and approximately 17,468 feet of non-accessible shoreline.

The private property depicted on the map without To & Along easements are older conveyances from the Federal Government directly to individual private citizens. As far as we know, these parcels are not subject to a To & Along reservation. In an effort to err on the side of caution, if it's not clear that there is access along the shoreline, ADF&G has assumed that there is not and has depicted it as such on our map. It is possible that some areas depicted as not having access do actually in fact have access, and this could be for a variety of reasons that cant be clarified until further research is done, particularly having some time spent on the ground looking at these areas on a site specific basis.

In secs. 11, 14, 15, 21, and 22, of T. 24 N., R. 4 W., both banks of Montana Creek are subject to a To & Along easement. Secs. 28, 32, and 33 of T. 24 N., R. 4 W., are composed of private parcels not subject to a To & Along reservation.

In T. 23 N., R. 4 W., both banks of Montana creek are subject to easements thru a small reach of State owned land in the N/E corner of sec. 5. In the S/W corner of sec. 5, the creek is subject to a To & Along on river-left, thru the extreme N/W corner of sec. 8, and on into sec. 7 where both banks are subject to a easement for a short distance, then again there is only a easement on river-left downriver to where Montana Creek flows into the Susitna River.



# STATE OF ALASKA

FRANK H. MURKOWSKI, GOVERNOR

## DEPARTMENT OF FISH AND GAME DIVISION OF SPORT FISH

333 Raspberry Road  
Anchorage, AK 99518-1599  
PHONE: (907) 267-2342  
FAX: (907) 267-2464

### MEMORANDUM

TO: Robin Willis, Tina Cuning

FROM: Joe Giefer  
Habitat Biologist

DATE: January 27, 2006

SUBJECT: Salcha River To-and-Along Easements

---

The location depicted on map is the Salcha River, USGS Quad BIG DELTA B-6, sections 21 and 22, T. 5 S., R.4 E., Fairbanks Meridian, Alaska.

In this particular stretch of the Salcha, the current path of the river is an approximation at best, there is no current aerial photography or surveyed hydrography to use as a reference when comparing the river corridor to the adjacent uplands. The private properties depicted on the map without "To & Along" easements are generally older conveyances from the Federal Government directly to individual private citizens. As far as we know, these parcels are not subject to a "To & Along" reservation. In an effort to err on the side of caution, if it is not clear that there is access along the shoreline, ADF&G has assumed that there is not access and has depicted it as such on our map. It is possible that some areas depicted as not having access do actually have access, and this could be for a variety of reasons that can not be clarified until further research is done, particularly by spending some time on the ground looking at these areas on a site specific basis.

The following distances are approximations based on the maps ADF&G has produced, they do not reflect distances based on Federal, State, or Borough surveys or plats. On the reaches depicted in the maps of the Salcha River, there is approximately 16,181 feet of accessible shoreline and approximately 16,134 feet of non-accessible shoreline. .

In sec. 22, there is a small tract of State owned land on both banks of the Salcha where the Richardson Highway crosses the river. These state owned tracts are subject to easements. There is also a boat launch on these same state owned tracts.



---

In sec. 21, all the privately held land adjacent to the Salcha is subject to a To & Along easement. The west half of the northwest corner of sec. 21 is state owned land, immediately to the west of this tract is the confluence of the Tanana and the Salcha rivers.