

ALASKA LEGISLATIVE COMMITTEE FILES 1903-1904 00/2

2823 SRES SB 108

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Section 30, S1/2

Sections 31 - 34

Section 36, S1/2

Township 5 South, Range 8 East, Fairbanks Meridian

Sections 1 - 6

Sections 8 - 17

Sections 20 - 30

Sections 32 - 36

Township 5 South, Range 9 East, Fairbanks Meridian

Sections 4 - 9

Sections 13 - 36

Township 6 South, Range 4 East, Fairbanks Meridian

Section 5, excl. Lots 1,2

Sections 6 - 7, east of military reservation

Section 8

Section 9, excl. N1/2NE1/4SE1/4, S1/2S1/2NE1/4, GL-5

Section 14, Lot 4

Section 15, south of Tanana River

Section 16

Section 21, east of military reservation

Section 22

Section 23, NE1/4NE1/4, that portion west of

Richardson Highway

Section 25, south of Richardson Highway

Section 26, excl. Lot 1

Section 27, east of military reservation

Section 35

Section 36, W1/2SW1/4

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Township 6 South, Range 5 East, Fairbanks Meridian

Sections 1 - 4

Sections 9 - 15

Section 16, S1/2, NE1/4

Section 20, S1/2

Sections 21 - 28

Section 29, N1/2

Section 36

Township 6 South, Range 6 East, Fairbanks Meridian

Section 1

Sections 3 - 9

Section 10, W1/2

Section 11, E1/2

Sections 12 - 36

Township 6 South, Range 7 East, Fairbanks Meridian

Sections 3 - 36

Township 6 South, Range 8 East, Fairbanks Meridian

Township 6 South, Range 9 East, Fairbanks Meridian

Township 6 South, Range 10 East, Fairbanks Meridian

Township 7 South, Range 6 East, Fairbanks Meridian

Sections 1 - 5

Sections 8 - 15

Sections 21-24

Sections 25-27, north of left limit of Tanana River

Section 28

Section 29, S $\frac{1}{2}$

Section 30, S $\frac{1}{2}$

Sections 31-32

Section 33, north of left limit of Tanana River

Township 7 South, Range 7 East, Fairbanks Meridian

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Sections 1-18

Sections 23-26

Sections 35-36, excl. A.L.S 81-213 except Tract A  
Township 7 South, Range 8 East, Fairbanks Meridian

Sections 1-12

Sections 15-21

Sections 28-34

Township 7 South, Range 9 East, Fairbanks Meridian

Sections 3 - 10

Sections 15 - 16, 31/2

Township 7 South, Range 10 East, Fairbanks Meridian

Sections 24 - 25

Sections 35 - 36

Township 7 South, Range 11 East, Fairbanks Meridian

Sections 1 - 2

Sections 11 - 14

Sections 19 - 36

Township 7 South, Range 12 East, Fairbanks Meridian

Township 8 South, Range 7 East, Fairbanks Meridian

Section 1

Township 8 South, Range 8 East, Fairbanks Meridian

Sections 4-6

Township 8 South, Range 10 East, Fairbanks Meridian

Section 1

Sections 12-13

Township 8 South, Range 11 East, Fairbanks Meridian

Sections 1 - 18

Sections 22 - 27

Section 36

Township 8 South, Range 12 East, Fairbanks Meridian

Sections 1 - 10

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Sections 15 - 22

Sections 27 - 34

Township 8 South, Range 13 East, Fairbanks Meridian

Sections 25 - 26

Sections 33 - 36

Township 9 South, Range 11 East, Fairbanks Meridian

Section 3, S1/2

Sections 4 - 5

Sections 8 - 11

Sections 13 - 16

Section 17, E1/2, NE1/4SW1/4, SW1/4NW1/4

Sections 21 - 27

Section 28, excl. F02662

Township 9 South, Range 12 East, Fairbanks Meridian

Sections 19 - 21

Sections 28 - 36

Township 9 South, Range 13 East, Fairbanks Meridian

Sections 1 - 3

Section 10, E1/2

Sections 11 - 13

Section 24 - 25

Section 26, S1/2

Section 27

Sections 34 - 36

Township 9 South, Range 14 East, Fairbanks Meridian

Township 9 South, Range 16 East, Fairbanks Meridian

Township 10 South, Range 12 East, Fairbanks Meridian

Sections 1 - 3

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Sections 4 - 6, north of left limit of Tanana River

Sections 10 - 12, north of left limit of Tanana River

Township 10 South, Range 13 East, Fairbanks Meridian

Sections 1 - 6

Sections 7 - 8, north of left limit of Tanana River

Sections 9 - 12

Sections 14 - 15, N1/2

Township 10 South, Range 14 East, Fairbanks Meridian

Sections 1 - 20

Section 21, NE1/4SE1/4, W1/2, N1/2NE1/4

Sections 22 - 24

Section 25, excl. Tract C

Section 26, excl. SW1/4SW1/4

Section 27, N1/2NE1/4, NE1/4NW1/4

Section 28, W1/2

Section 29

Section 30, NE1/4NE1/4

Section 32, excl. Tract U, Delta I

Section 33, W1/2

Township 10 South, Range 16 East, Fairbanks Meridian

Sections 1 - 35

Township 11 South, Range 14 East, Fairbanks Meridian

Section 4, NW1/4, Tracts A,B,E

Section 5, excluding Tract U, Delta Barley I

Section 9, Tracts A,B, E1/2

Section 10, Tracts B,C

Section 15, Tracts B,C

Section 16, E1/2, Tracts A,B

Section 21, Tracts A,B

1 Section 12, NW1/4, Tracts A,B,D

2 Section 23, Tracts A,B,C,E

3 Section 26, Tracts A,B,C,D

4 Section 35, E1/2, Tracts A,B

5 Section 36, Tracts A,E,C,D,E

6 Township 11 South, Range 16 East, Fairbanks Meridian

7 Township 12 South, Range 14 East, Fairbanks Meridian

8 Section 1, excl. USS 4013

9 Section 2, excl. ASLS 79-93

10 Section 11, excl. ASLS 79-93

11 Sections 12 - 13

12 Section 14, excl. ASLS 79-93

13 Sections 23 - 25, excl. ASLS 79-93

14 Section 36, excl. ASLS 79-93

15 Township 12 South, Range 15 East, Fairbanks Meridian

16 Sections 2 - 6

17 Section 7, excl. SE1/4SW1/4

18 Sections 8 - 14

19 Section 15, E1/2, E1/2NE1/4

20 Sections 18 - 19, W1/2W1/2

21 Section 21, S1/2SE1/4

22 Section 22, excl. ' /2NW1/4

23 Sections 23 - 30

24 Section 31, SW1/4

25 Section 32, SE1/4, S1/2SW1/4

26 Sections 33 - 36

27 Township 12 South, Range 16 East, Fairbanks Meridian

28 Sections 1 - 5

29 Sections 9 - 16

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Sections 21 - 28

Sections 34 - 36

Township 13 South, Range 15 East, Fairbanks Meridian

Sections 1 - 3

Section 4, N1/2SE1/4, NE1/4, N1/2NW1/4, SW1/4NW1/4,  
NW1/4SW1/4

Section 5, Tracts A and C

Section 6, north of Alaska Highway

Section 11, Tracts D and F

Section 12

Section 13, Tracts B and C

Township 13 South, Range 16 East, Fairbanks Meridian

Section 1

Sections 6 - 7

Section 12, excl. George Lake Subdivision

Sections 16 - 18

Sections 19 - 20, north of left limit of Tanana River

Section 21

Section 27

Sections 28 - 29, north of left limit of Tanana River

Sections 32 - 33, north of left limit of Tanana River

Sections 34 - 35

Township 14 South, Range 16 East, Fairbanks Meridian

Sections 1 - 3

Section 4, north of left limit of Tanana River

Sections 10 - 11, north of left limit of Tanana River

Section 12

Changes in House Resources  
C.S.

Offered: 3/24/83  
Referred: Finance

Original sponsors: Fahrenkamp, V. Fischer,  
Sturgulewski, et al

1 IN THE SENATE BY THE RESOURCES COMMITTEE  
2 CS FOR SENATE BILL NO. 108 (Resources)  
3 IN THE LEGISLATURE OF THE STATE OF ALASKA  
4 THIRTEENTH LEGISLATURE - FIRST SESSION  
5 A BILL

6 For an Act entitled: "An Act establishing the Tanana Valley State Forest  
7 and a program for the management of state forests and  
8 forest land of the state; and providing for an effective  
9 date."

10 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

Sec. 38.05.302. ESTABLISHMENT OF SPECIAL USE AREAS. The governor may not propose the establishment of a state forest under AS 41.17.210(a), the establishment of a state park or recreation area under AS 41.20, or the establishment of any other closing of state land, water, or land and water to multiple purpose use if the area contains more than 640 acres unless the proposal contains a certification by the governor that land north of latitude 63°00' and west of longitude 141°00' with an acreage equal to one-fifth of the acreage contained in state forests, state parks and recreation areas, and other areas closed to multiple purpose use that have been established since the effective date of this Act have been transferred by the Department of Natural Resources into private ownership since the effective date of this Act.

Bethisworth

11 \* Section 1. AS 41.17 is amended by adding new sections to read:

12 ARTICLE 2. STATE FOREST SYSTEM.

13 Sec. 41.17.200. STATE FOREST PURPOSES. The purpose of  
14 AS 41.17.200 - 41.17.230 is to permit the establishment of designated  
15 state-owned or acquired land and water areas as state forests. The  
16 primary purpose in the establishment of state forests is the perpetua-  
17 tion of land, water, scenic, and recreational resources to ensure a  
18 variety of personal, commercial, and other beneficial uses through  
19 multiple-use management.

20 Sec. 41.17.210. STATE FOREST RECOMMENDATIONS AND DESIGNATIONS.

21 (a) After planning and classification procedures identifying primary  
22 uses of the state lands in an area under AS 38.04 and AS 38.05 have  
23 been completed, the governor <sup>may</sup> [shall] propose to the legislature the  
24 establishment of state forests, consisting primarily of <sup>commercially valuable</sup> forest land  
25 determined by the governor to be <sup>necessary</sup> [desirable] for retention in state  
26 ownership [and] for management under the principles of multiple-use and  
27 sustained yield. and to be consistent with the policies of AS 38.04.c.c.

28 (b) A state forest established by the legislature shall be  
29 retained in state ownership.

1           Sec. 41.17.220. MANAGEMENT OF STATE FORESTS. Land within a  
2 state forest or within a unit of a state forest shall be managed under

3           (1) the principles of multiple-use and sustained yield;

4           (2) this chapter; and

5           (3) a management plan prepared by the department,

6           Sec. 41.17.230. MANAGEMENT PLANS. (a) The <sup>commissioner</sup> [department] shall  
7           <sup>prepare</sup> [establish and maintain] a management plan <sup>consistent with AS 38.04.05 and this chapter</sup> for each <sup>proposed</sup> state forest and for  
8           each unit of a <sup>proposed</sup> state forest to assist in meeting the requirements of  
9           this chapter. [A management plan shall be adopted and implemented  
10          within five years of the establishment of a state forest.] An opera-

11          tional level forest inventory shall be completed before a management

12          plan for the <sup>proposed</sup> state forest or the unit of a <sup>proposed</sup> state forest is adopted. The manage-

13          <sup>plan</sup> shall be adopted, implemented + maintained immediately upon the establishment of

14          (b) A management plan may not be [adopted or substantially] <sup>state for</sup>  
15          revised <sup>after the establishment of the state forest</sup> without prior review by the Board of Forestry and by other <sup>by the</sup> legislat.

16          appropriate state agencies or without public hearings held in a

17          community proximately located to the state forest or to a unit of a

18          state forest.

The commissioner shall permit and encourage public participation in any revision of a management plan by holding frequent public hearings on the development of a revised management plan in the communities proximately located to the state forest or to a unit of the state forest.

18          (c) The <sup>commissioner</sup> [department] shall review a management plan at least once  
19          every five years and may revise the plan if appropriate.

20          (d) A copy of a management plan <sup>or a</sup> [and any] revision to <sup>a management</sup> [the] plan  
21          <sup>adopted or</sup> prepared by the <sup>commissioner</sup> [department] shall be provided to the legislature within  
22          30 days of its adoption or revision or within the first 10 days of the  
23          first regular session of the legislature to convene after its adoption  
24          or revision.

25          (e) The <sup>commissioners shall consider and permit the</sup> following uses [are permitted and must be considered]  
26          under a management plan <sup>prepared under (a) or (b) of this section subject to a determination under</sup> [adopted under (a) of this section:] <sup>(f) of this section.</sup>

27          (1) commercial timber harvest and related activities;

28          (2) harvest of forest products for personal use;

29          (3) mining, mining claim, and mineral leasehold location;

- 1 (4) mineral leasing;
- 2 (5) material extraction;
- 3 (6) recreation;
- 4 (7) wildlife and fisheries habitat management including
- 5 critical habitat management;
- 6 (8) greenbelts;
- 7 (9) <sup>trapping and sport and subsistence fishing and hunting</sup> [hunting, trapping, and fishing];
- 8 (10) grazing;
- 9 (11) watershed management;
- 10 (12) research;
- 11 (13) <sup>uses consistent with the policies of AS 38.04.015;</sup> other traditional, compatible uses.

(f) A management plan prepared by the commissioner shall consider and permit the uses described in (e) of this section. If the commissioner finds that a permitted use is incompatible with one or more other uses in a portion of a proposed state forest, the commissioner shall affirmatively state in the proposed management plan that finding of incompatibility for the specific area where the incompatibility is anticipated to exist and the time period when the incompatibility is anticipated to exist together with the reasons for each finding.

12 \* Sec. 2. AS 41.17 is amended by adding new sections to read:

13 ARTICLE 3. STATE LAND REFORESTATION.

14 Sec. 41.17.300. STATE LAND REFORESTATION FUND. A state land

15 reforestation fund is established in the department. The money in the

16 state land reforestation fund may be used only for the reforestation

17 of state land, including site preparation, seed and seedling

18 acquisition and cultivation, planting, and other reforestation

19 measures, timber stand improvement, and the development of materials

20 and techniques for the reforestation of state land.

21 Sec. 41.17.310. APPROPRIATIONS TO STATE LAND REFORESTATION FUND.

22 (a) The state land reforestation fund consists of money appropriated

23 by the legislature and contributions from private donors. It is the

24 intent of the legislature that the appropriations made to the fund

25 equal no less than 25 percent of the revenues from the sale of timber

26 and other forest products from state land as well as the total reve-

27 nues from

28 (1) compensation for loss or damage to land within a state

29 forest; and

1                    (a)                    leral government and other governmental bodies for  
2 reforestation.

3                    (b)                    Money appropriated to or paid into the state land  
4 reforestation fund does not lapse.

5                    Sec. 41.17.320. REPORT TO THE LEGISLATURE. The commissioner  
6 shall make an annual report to the legislature within the first 10  
7 days of each session of the legislature on the uses of the money in  
8 the state land reforestation fund, the proposed uses of the fund in  
9 the following fiscal year, and the balance in the fund.

10 \* Sec. 3. AS 41.17 is amended by adding a new section to read:

11                    ARTICLE 4. TANANA VALLEY STATE FOREST.

12                    Sec. 41.17.400. TANANA VALLEY STATE FOREST. (a) Subject to  
13 valid existing rights and except for land owned by or transferred to  
14 the University of Alaska under a settlement agreement between the  
15 state and the university, the state-owned or acquired land and water  
16 lying within the parcels described in (b) of this section is  
17 designated as the Tanana Valley State Forest.

(b) The commissioner shall prepare a management plan for the Tanana Valley State Forest.

The commissioner shall permit and encourage public participation in the preparation of the management plan for the Tanana Valley State Forest by holding frequent public hearings during the development of the management plan in the communities proximately located to the Tanana Valley State Forest.

The management plan shall be reviewed by the Board of Forestry and by other appropriate state agencies and at public hearings in each community proximately located to the Tanana Valley State Forest. The management plan shall be submitted to the legislature for its approval within the first 10 days of the First Session of the Fourteenth State Legislature. The management plan for the Tanana Valley State Forest is approved unless the legislature adopts a concurrent resolution disapproving the management plan within 90 days of its submission to the legislature.

(c) The commissioner shall consider and permit the uses described in AS 41.17.230 (e) within the Tanana Valley State Forest, subject to the procedures established in AS 41.17.230(f). The commissioner may establish transportation corridors within the Tanana Valley State Forest.

13                    (b) The Tanana Valley State Forest includes the state-owned or  
19 acquired land and water lying within the following described parcels.

20                    (containing approximately 1,745,000 acres.)

21                    Township 1 North, Range 2 East, Fairbanks Meridian

22                    Sections 1 - 3

23                    Sections 10 - 12

24                    Sections 13 - 15, N1/2

25                    Township 1 North, Range 3 East, Fairbanks Meridian

26                    Section 1, E1/2, E1/2SW1/4, SW1/4SW1/4, SE1/4NW1/4

27                    Section 2, NW1/4, NW1/4SW1/4

28                    Sections 3 - 5

29                    Section 6, N1/2

- 1 Section 7, E1/2E1/2
- 2 Sections 8 - 9
- 3 Section 10, NW1/4SW1/4, N1/2NW1/4, SW1/4NW1/4
- 4 Section 11, E1/2, S1/2SW1/4
- 5 Sections 12 - 14
- 6 Section 15, S1/2NE1/4, NE1/4NE1/4, S1/2
- 7 Township 1 North, Range 4 East, Fairbanks Meridian
- 8 Sections 1 - 12
- 9 Sections 16 - 18
- 10 Township 1 North, Range 5 East, Fairbanks Meridian
- 11 Sections 6 - 10
- 12 Sections 15 - 16
- 13 Township 1 North, Range 4 West, Fairbanks Meridian
- 14 Section 5, W1/2
- 15 Sections 6 - 11
- 16 Section 15
- 17 Sections 16 - 24
- 18 Section 27
- 19 Section 28, NE1/4, NE1/4SE1/4
- 20 Section 29, S1/2, W1/2NW1/4
- 21 Sections 30 - 32
- 22 Section 33 W1/2
- 23 Township 1 North, Range 5 West, Fairbanks Meridian
- 24 Township 1 North, Range 8 West, Fairbanks Meridian
- 25 Sections 17 - 20, except for the area south of the Tanana River
- 26 Sections 29 - 34, except for the area south of the Tanana River
- 27 Section 35, W1/2, except for the area south of the Tanana River
- 28 Township 1 North, Range 9 West, Fairbanks Meridian
- 29 Sections 13 - 36, except for the area south of the Tanana River

(Halford)

1 Township 1 North, Range 10 West, Fairbanks Meridian  
2 Sections 13 - 36, except for the area south of the Tanana River  
3 Township 1 North, Range 11 West, Fairbanks Meridian  
4 Sections 5 - 7  
5 Sections 18 - 19  
6 Sections 30 - 36  
7 Township 1 North, Range 12 West, Fairbanks Meridian  
8 Township 1 North, Range 13 West, Fairbanks Meridian  
9 Sections 1 - 3  
10 Sections 10 - 15  
11 Sections 22 - 26  
12 Sections 35 - 36  
13 Township 2 North, Range 2 East, Fairbanks Meridian  
14 Sections 34 - 36  
15 Township 2 North, Range 3 East, Fairbanks Meridian  
16 Sections 13 - 16  
17 Sections 21 - 29  
18 Sections 31 - 36  
19 Township 2 North, Range 4 East, Fairbanks Meridian  
20 Sections 5 - 8  
21 Sections 17 - 19  
22 Section 30, N1/2  
23 Township 2 North, Range 3 West, Fairbanks Meridian  
24 Section 11, S1/2  
25 Section 12, S1/2  
26 Sections 13 - 17  
27 Sections 19 - 24  
28 Township 2 North, Range 4 West, Fairbanks Meridian  
29 Sections 2 - 6

1 Township 2 North, Range 5 West, Fairbanks Meridian  
2 Township 2 North, Range 10 West, Fairbanks Meridian  
3 Sections 4 - 7  
4 Township 2 North, Range 11 West, Fairbanks Meridian  
5 Sections 1 - 12  
6 Sections 16 - 21  
7 Sections 28 - 33  
8 Township 2 North, Range 12 West, Fairbanks Meridian  
9 Township 2 North, Range 13 West, Fairbanks Meridian  
10 Sections 1 - 30  
11 Sections 33 - 36  
12 Township 2 North, Range 14 West, Fairbanks Meridian  
13 Sections 23 - 26  
14 Township 3 North, Range 2 West, Fairbanks Meridian  
15 Section 7, Tract E, ASLS 81-20  
16 Section 8, Tracts H,J,K,L, ASLS 81-20  
17 Section 17, Tracts M,N,O, ASLS 81-20  
18 Section 18, Tracts A,B, ASLS 81-20  
19 Section 19  
20 Township 3 North, Range 3 West, Fairbanks Meridian  
21 Section 13  
22 Sections 19 - 34  
23 Township 3 North, Range 4 West, Fairbanks Meridian  
24 [Section 3, west of Washington Creek]  
25 Sections 4 - [8] 6  
26 [Sections 9 - 10, west of Washington Creek]  
27 [Section 17, west of Washington Creek]  
28 [Sections 18 - 36]  
29 Township 3 North, Range 5 West, Fairbanks Meridian

1                   Section 1

2                   Sections 4 - 5, north of left limit of Tatalina River

3                   Sections 6 - 7

4                   Sections 11 - 36

5                   Township 3 North, Range 6 West, Fairbanks Meridian

6                   Sections 1 - 12

7                   Township 3 North, Range 7 West, Fairbanks Meridian

8                   Sections 1 - 3

9                   Sections 10 - 12

10                  Township 3 North, Range 10 West, Fairbanks Meridian

11                  Sections 1 - 10

12                  Sections 15 - 33

13                  Township 3 North, Range 11 West, Fairbanks Meridian

14                  Sections 1 - 3

15                  Sections 10 - 15

16                  Sections 19 - 36

17                  Township 3 North, Range 12 West, Fairbanks Meridian

18                  Sections 19 - 21, east of right limit of Hutlitakwa

19                  Creek

20                  Sections 22 - 29

21                  Section 30, east of right limit of Hutlitakwa Creek

22                  Sections 31 - 36

23                  Township 3 North, Range 13 West, Fairbanks Meridian

24                  Sections 3 - 4

25                  Section 9

26                  Sections 16 - 17

27                  Sections 19 - 20

28                  Section 21, W1/2

29                  Sections 25 - 26, east of right limit of Hutlitakwa

1	Creek
2	Sections 29 - 32
3	Sections 34 - 35, east of right limit of Hutlitakwa
4	Creek
5	Section 36
6	Township 3 North, Range 14 West, Fairbanks Meridian
7	Section 25, E1/2
8	Section 36
9	Township 4 North, Range 5 West, Fairbanks Meridian
10	Section 1, west of left limit of Tatalina River
11	Sections 2 - 10
12	Sections 11 - 12, west of left limit of Tatalina River
13	Sections 14 - 15, west of left limit of Tatalina River
14	Sections 16 - 21
15	Section 22, west of left limit of Tatalina River
16	Sections 27 - 28, west of left limit of Tatalina River
17	Sections 29 - 32
18	Section 33, west of left limit of Tatalina River
19	Township 4 North, Range 6 West, Fairbanks Meridian
20	Section 1
21	Sections 10 - 15
22	Sections 22 - 36
23	Township 4 North, Range 7 West, Fairbanks Meridian
24	Sections 25 - 29
25	Sections 32 - 36
26	Township 4 North, Range 13 West, Fairbanks Meridian
27	Section 27
28	Section 33, SE1/4
29	Section 34

1 Township 5 North, Range 5 West, Fairbanks Meridian  
2 Sections 1 - 2, west of Slate Creek  
3 Sections 3 - 5  
4 Section 6, E1/2  
5 Section 7, E1/2  
6 Sections 8 - 11  
7 Section 12, west of Slate Creek  
8 Sections 13 - 17  
9 Section 18, E1/2  
10 Sections 19 - 36  
11 Township 6 North, Range 4 West, Fairbanks Meridian  
12 Section 5, west of Alyeska Pipeline right-of-way  
13 and north of left limit of Slate Creek  
14 Section 6, west of Alyeska Pipeline right-of-way  
15 Sections 7 - 8, west of left limit of Slate Creek  
16 Sections 18 - 19, west of left limit of Slate Creek  
17 Township 6 North, Range 5 West, Fairbanks Meridian  
18 Sections 1 - 4  
19 Section 5, E1/2  
20 Section 8, E1/2  
21 Sections 9 - 16  
22 Section 17, E1/2  
23 Sections 20 - 23  
24 Sections 24 - 26, west of left limit of Slate Creek  
25 Sections 27 - 29  
26 Sections 32 - 34  
27 Section 35, west of left limit of Slate Creek  
28 Township 7 North, Range 4 West, Fairbanks Meridian  
29 Sections 30 - 31, west of Alyeska Pipeline right-

1                                   of-way  
 2                   Township 7 North, Range 5 West, Fairbanks Meridian  
 3                                   Section 15, west of Alyeska Pipeline right-of-way  
 4                                   Section 16, E1/2  
 5                                   Section 21, E1/2  
 6                                   Sections 22 - 23, west of Alyeska Pipeline right-  
 7                                   of-way  
 8                                   Sections 25 - 26, west of Alyeska Pipeline right-  
 9                                   of-way  
 10                                  Section 27  
 11                                  Section 28, E1/2  
 12                                  Section 33, E1/2  
 13                                  Sections 34 - 36  
 14                   Township 15 North, Range 11 East, Copper River Meridian  
 15                                  Sections 1 - 2  
 16                                  Section 3, excl. ASLS 78-42  
 17                                  Sections 4 - 8  
 18                                  Sections 17 - 19  
 19                                  Section 30  
 20                                  Section 31  
 21                   Township 16 North, Range 11 East, Copper River Meridian  
 22                                  Sections 1 - 3  
 23                                  Sections 10 - 15  
 24                                  Sections 22 - 36  
 25                   Township 16 North, Range 12 East, Copper River Meridian  
 26                                  Sections 1 - 12  
 27                                  Sections 14 - 22  
 28                                  Sections 28 - 32  
 29                   Township 17 North, Range 11 East, Copper River Meridian

1                   Sections 1 - 3

2                   Sections 10 - 15

3                   Township 17 North, Range 12 East, Copper River Meridian

4                   Sections 5 - 6, west of Eagle Trail

5                   Sections 7 - 8

6                   Section 9, west of Eagle Trail

7                   Sections 15 - 16, west of Eagle Trail

8                   Sections 17 - 21

9                   Sections 22 - 23, west of Eagle Trail

10                  Section 26, west of Eagle Trail

11                  Sections 27 - 34

12                  Section 35, west of Eagle Trail

13                  Township 18 North, Range 11 East, Copper River Meridian

14                  Section 26, west of Eagle Trail

15                  Sections 27 - 33

16                  Sections 34 - 36, west of Eagle Trail

17                  Township 19 North, Range 8 East, Copper River Meridian

18                  Sections 1 - 2, east of left limit of Tanana River

19                  Sections 12 - 13, east of left limit of Tanana River

20                  Sections 24 - 25, east of left limit of Tanana River

21                  Township 19 North, Range 9 East, Copper River Meridian

22                  Sections 1 - 21

23                  Sections 22 - 25, north of left limit of Tanana River

24                  Sections 28 - 32, north of left limit of Tanana River

25                  Township 19 North, Range 13 East, Copper River Meridian

26                  Sections 1 - 4

27                  Sections 5 - 6, excl. F028758

28                  Sections 7 - 16

29                  Section 17, northeast of Tanana River

1 Section 18, north of Tanana River  
2 Section 20, northeast of Tanana River  
3 Section 21, north of Tanana River  
4 Sections 22 - 27  
5 Section 28, north of Tanana River  
6 Section 29, east of Tanana River  
7 Section 34, north and east of Tanana River  
8 Section 35, north of Tanana River  
9 Section 36  
10 Township 19 North, Range 14 East, Copper River Meridian  
11 Sections 5 - 8  
12 Sections 13 - 34  
13 Section 35, excl. USS 2547  
14 Section 36  
15 Township 19 North, Range 15 East, Copper River Meridian  
16 Sections 16 - 22  
17 Section 23, west of Taylor Highway  
18 Sections 26 - 27, west of Taylor Highway  
19 Sections 28 - 32  
20 Sections 33 - 34, west of Taylor Highway  
21 Township 20 North, Range 8 East, Copper River Meridian  
22 Sections 1 - 2  
23 Section 3, east of Alaska Highway  
24 Section 10, east of Alaska Highway  
25 Sections 11 - 13  
26 Section 14, east of Alaska Highway  
27 Section 23, east of Alaska Highway  
28 Sections 24 - 25  
29 Section 26, east of Alaska Highway

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Section 35, east of Alaska Highway  
Section 36

Township 20 North, Range 9 East, Copper River Meridian  
Township 20 North, Range 10 East, Copper River Meridian  
Sections 1 - 4  
Section 7, excl. NA, Par. E, F1655  
Sections 8 - 12  
Sections 15 - 16  
Sections 17 - 18, excl. NA, Par. I, F12113  
Sections 19 - 21  
Sections 28 - 33  
Township 20 North, Range 11 East, Copper River Meridian  
Sections 1 - 16  
Section 17, excl. NA, Par. C, F12548  
Section 18  
Sections 20 - 23  
Sections 28 - 29  
Section 32  
Section 33, excl. USS 4377, NA, Par. A, F12549, NA,  
Par. B, F-14422  
Township 20 North, Range 12 East, Copper River Meridian  
Sections 20 - 23  
Section 24, excl. NA, F-12107  
Sections 25 - 29  
Sections 34 - 36  
Township 20 North, Range 13 East, Copper River Meridian  
Sections 19 - 36  
Township 21 North, Range 8 East, Copper River Meridian  
Sections 1 - 5

1 Sections <sup>9</sup>(8) - 17  
 2 Sections <sup>23</sup>(21) - 25  
 3 Sections (26 - ) 27, excl. USS 3620  
 4 [Section 34, excl. USS 5622A]  
 5 Section 36  
 6 Township 21 North, Range 9 East, Copper River Meridian  
 7 Sections 3 - 23  
 8 Sections 26 - 35  
 9 [Township 22 North, Range 5 East, Copper River Meridian  
 10 Sections 1 - 12  
 11 Sections 13 - 19, north of Alaska Highway  
 12 Township 22 North, Range 8 East, Copper River Meridian  
 13 Township 22 North, Range 9 East, Copper River Meridian  
 14 Sections 4 - 9  
 15 Sections 16 - 36  
 16 Township 23 North, Range 5 East. Copper River Meridian  
 17 Sections 1 - 3  
 18 Sections 10 - 15  
 19 Sections 21 - 24  
 20 Township 23 North, Range 6 East, Copper River Meridian  
 21 Sections 5 - 7  
 22 Township 23 North, Range 7 East, Copper River Meridian  
 23 Sections 1 - 30  
 24 Township 23 North, Range 8 East, Copper River Meridian  
 25 Sections 6 - 7  
 26 Section 18  
 27 Sections 25 - 27  
 28 Sections 32 - 36  
 29 Township 24 North, Range 5 East, Copper River Meridian

Sec. 1-5  
 Sec. 8-18  
 Sec 20-24  
 Sec 27-32  
 Sec 34-36

1                   Sections 1 - 5  
 2                   Sections 8 - 17  
 3                   Sections 20 - 29  
 4                   Sections 34 - 36  
 5                   Township 24 North, Range 7 East, Copper River Meridian  
 6                   Sections 1 - 30  
 7                   Sections 32 - 36  
 8                   : Township 25 North, Range 6 East, Copper River Meridian  
 9                   Township 25 North, Range 8 East, Copper River Meridian  
 10                  Township 26 North, Range 5 East, Copper River Meridian  
 11                  Sections 1 - 20  
 12                  Township 26 North, Range 6 East, Copper River Meridian  
 13                  Township 1 South, Range 3 East, Fairbanks Meridian  
 14                  Section 1  
 15                  Sections 11 - 14  
 16                  Section 15, S1/2, S1/2N1/2  
 17                  Section 16  
 18                  Section 23, NE1/4  
 19                  Section 24, N1/2  
 20                  Township 1 South, Range 4 East, Fairbanks Meridian  
 21                  Sections 1 - 2  
 22                  Section 4, S1/2  
 23                  Section 5, S1/2, NW1/4  
 24                  Sections 6 - 7  
 25                  Section 8, north of Chena River  
 26                  Section 9, the NW1/4 north of Chena River, N1/2NE1/4  
 27                  Section 10, NE1/4  
 28                  Section 11  
 29                  Section 12, N1/2

1 Section 17, north of Chena River  
 2 Section 18  
 3 Township 1 South, Range 5 East, Fairbanks Meridian  
 4 Section 6  
 5 Township 1 South, Range 3 West, Fairbanks Meridian  
 6 Section 18, SW1/4  
 7 Section 19  
 8 Section 20, west of Old Nenana Highway  
 9 Section 26, S1/2 south of Parks Highway  
 10 Sections 27 - 28, south of Parks Highway  
 11 Section 29, west of Old Nenana Highway and south of  
 12 Parks Highway  
 13 Sections 30 - 32  
 14 Sections 33 - 34, south of Parks Highway  
 15 Section 35  
 16 Township 1 South, Range 4 West, Fairbanks Meridian  
 17 Section 4, SW1/4  
 18 Sections 7 - 8  
 19 Section 9, NW1/4  
 20 Section 18, N1/2  
 21 Section 23, SE1/4, SE1/4NE1/4  
 22 Sections 24 - 29  
 23 Section 32, N1/2N1/2  
 24 Section 34, excl. NW1/4NW1/4  
 25 Sections 35 - 36  
 26 Township 1 South, Range 5 West, Fairbanks Meridian  
 27 Sections 2 - 12  
 28 Section 13, N1/2  
 29 Sections 14 - 23

(Halford)

- 1 Sections 28 - 30
- 2 Section 31, N1/2, N1/2S1/2
- 3 Section 32, N1/2, N1/2S1/2
- 4 Township 1 South, Range 6 West, Fairbanks Meridian
- 5 Sections 1 - 4
- 6 Sections 9 - 16
- 7 Sections 21 - 28
- 8 Sections 32 - 34
- 9 Section 35, E1/2
- 10 Section 36, N1/2
- 11 Township 1 South, Range 8 West, Fairbanks Meridian
- 12 Sections 3 - 10, except for the area south of the Tanana River
- 13 Sections 15 - 22, except for the area south of the Tanana River
- 14 Sections 27 - 34, except for the area south of the Tanana River
- 15 Township 1 South, Range 10 West, Fairbanks Meridian
- 16 Sections 1 - 6, except for the area south of the Tanana River
- 17 Township 1 South, Range 11 West, Fairbanks Meridian
- 18 Sections 1 - 24, except for the area south of the Tanana River
- 19 Sections 27 - 34, except for the area south of the Tanana River
- 20 Township 1 South, Range 12 West, Fairbanks Meridian
- 21 Sections 1 - 2
- 22 Sections 11 - 14
- 23 Section 21, south of the unnamed creek
- 24 Sections 22 - 28
- 25 Sections 31 - 32, south of right limit of Tanana River
- 26 Sections 33 - 36
- 27 Township 1 South, Range 13 West, Fairbanks Meridian
- 28 Section 27, north of a branch of Tanana River
- 29 Sections 34 - 36, north of a branch of Tanana River

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Township 2 South, Range 3 West, Fairbanks Meridian

[ Section 2, N1/2, Tract F, ASLS 80-118 ]

Sections [ 3 - 10 ] 6-7

Section 13, Lots A and C

Section 14, Lots 5 - 7, NE1/4SW1/4

Section 15, west of left limit of Tanana River

Sections [ 16 ]<sup>18</sup> - 19

Sections 20 - 24, north of military reservation

Sections 28 - 29, north of military reservation

Sections 30 - 31

Section 32, north of military reservation

Township 2 South, Range 4 West, Fairbanks Meridian

Sections 1 - 3

[ Section 4, S1/2, NE1/4 ]

Section 7, SE1/4SE1/4

Sec. 10-15  
Sec. 22-27  
Sec. 31-36

[ Section 8, S1/2NE1/4, SE1/4, SW1/4SW1/4, E1/2SW1/4 ]

Sections 9 - 36

Township 2 South, Range 5 West, Fairbanks Meridian

Sections 1 - 2

Sections 7 [ 36 ] 22

Township 2 South, Range 6 West, Fairbanks Meridian

Section 3

Section 4, N1/2, SE1/4, SW1/4SW1/4

Section 5

Sections 10 - 12

Section 16

Township 2 South, Range 7 West, Fairbanks Meridian

Section 35, SE1/4SE1/4

Section 36, SE1/4, SE1/4NE1/4, E1/2SW1/4, SW1/4SW1/4

1 Township 2 South, Range 11 West, Fairbanks Meridian  
2 Section 6, except for the area south of the Tanana River  
3 Township 2 South, Range 12 West, Fairbanks Meridian  
4 Sections 1 - 24, except for the area south of the Tanana River  
5 Sections 27 - 34, except for the area south of the Tanana River  
6 Township 2 South, Range 13 West, Fairbanks Meridian  
7 Sections 1 - 6  
8 Section 7, Tracts A, B and C, ASLS 81-54 SW1/4  
9 Section 8, NE1/4, Tracts D, E, F, ASLS 81-54  
10 Sections 9 - 30  
11 Sections 33 - 36  
12 Township 3 South, Range 3 West, Fairbanks Meridian  
13 Sections 6 - 7, north of military reservation  
14 Township 3 South, Range 4 West, Fairbanks Meridian  
15 Sections 1 - 11  
16 Section 12, north of military reservation  
17 Sections 14 - 15, north of military reservation  
18 Section 16  
19 Section 17, north of military reservation  
20 Sections 20 - 22, north of military reservation  
21 Township 3 South, Range 5 West, Fairbanks Meridian  
22 Sections 1 [ - 5 ]  
23 [ Section 6, S1/2S1/2 ]  
24 Sections [ 7 ]<sup>11</sup> - 12  
25 Section 13, NW1/4NW1/4, Lots 2 - 4  
26 Sections 14 - <sup>15</sup>(16, north of right limit of Tanana River ]  
27 [ Section 17, north of right limit of Tanana River,  
28 excl. SW1/4SW1/4  
29 [ Section 18, north of right limit of Tanana River,

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[excl. SE1/4SE1/4]

Section 19, north of right limit of Tanana River,  
excl. NE1/4NE1/4

Section 20, north of right limit of Tanana River,  
excl. Lot 3

Section 21, north of right limit of Tanana River  
Section 31, Lot 2

Township 3 South, Range 6 West, Fairbanks Meridian  
Sections 13 - 36

Township 3 South, Range 7 West, Fairbanks Meridian

Section 1  
Sections 2, E1/2, E1/2SW1/4, SW1/4SW1/4  
Section 3, SE1/4SE1/4  
Section 9, south of Parks Highway  
Section 10, that portion of NE1/4 which lies south  
of Parks Highway; SW1/4SE1/4  
Section 11, N1/2, N1/2SE1/4  
Section 12, N1/2, N1/2S1/2  
Section 13, SW1/4  
Section 14, S1/2, S1/2N1/2  
Section 15  
Sections 16 - 17, south of Parks Highway  
Section 20, south of Parks Highway

Sections [21]<sup>33</sup> - 36

Township 3 South, Range 12 West, Fairbanks Meridian

Sections 3 - 10, except for the area south of the Tanana River

Sections 15 - 17, except for the area south of the Tanana River

Section 31, except for the area south of the Tanana River

Township 3 South, Range 13 West, Fairbanks Meridian

(Halford)

1	Section 12, E1/2
2	Section 13
3	Section 14, E1/2
4	Sections 24 - 25
5	Section 26, E1/2
6	Sections 35 - 36
7	Township 4 South, Range 4 East, Fairbanks Meridian
8	Sections 30 - 32, west of Richardson Highway
9	Township 4 South, Range 5 East, Fairbanks Meridian
10	Sections 23 - 26
11	Sections 35 - 36
12	Township 4 South, Range 6 East, Fairbanks Meridian
13	Sections 19 - 23
14	Sections 27 - 29, N1/2
15	Section 30
16	Township 4 South, Range 6 West, Fairbanks Meridian
17	Sections 1 - 12
18	Sections 14 - 18
	Township 4 South, Range 7 West, Fairbanks Meridian
20	Sections 1 - 12
21	Sections 13 - 14, north of left limit of Tanana River
22	Section 18, Lots 3-6
23	Township 4 South, Range 13 West, Fairbanks Meridian
24	Sections 1 - 2
25	Sections 3 - 4, east of left limit of Kantishna River
26	Sections 8 - 10, east of left limit of Kantishna River
27	Section 11
28	Section 15
29	Sections 16 - 17, east of left limit of Kantishna

1 River  
2 Sections 20 - 21, east of left limit of Kantishna  
3 River  
4 Section 22  
5 Sections 27 - 29, east of left limit of Kantishna  
6 River  
7 Sections 33 - 34, east of left limit of Kantishna River  
8 Township 5 South, Range 4 East, Fairbanks Meridian  
9 Sections 5 - 6  
10 Section 7, east of military reservation  
11 Section 8  
12 Section 12  
13 Sections 13 - 14, N1/2  
14 Section 17  
15 Sections 18 - 19, east of military reservation  
16 Section 20  
17 Section 29  
18 Section 30, east of military reservation  
19 Section 31  
20 Section 32, excl. NE1/4SE1/4, Lots 1-4  
21 Township 5 South, Range 5 East, Fairbanks Meridian  
22 Sections 1 - 4  
23 Section 5, S1/2  
24 Sections 7 - 10  
25 Sections 25 - 29  
26 Sections 33 - 36  
27 Township 5 South, Range 6 East, Fairbanks Meridian  
28 Sections 28 - 29  
29 Section 30, S1/2

1                   Sections 31 - 34  
2                   Section 36, S1/2  
3                   Township 5 South, Range 8 East, Fairbanks Meridian  
4                   Sections 1 - 6  
5                   Sections 8 - 17  
6                   Sections 20 - 30  
7                   Sections 32 - 36  
8                   Township 5 South, Range 9 East, Fairbanks Meridian  
9                   Sections 4 - 9  
10                  Sections 13 - 36  
11                  Township 6 South, Range 4 East, Fairbanks Meridian  
12                  Section 5, excl. Lots 1,2  
13                  Sections 6 - 7, east of military reservation  
14                  Section 8  
15                  Section 9, excl. N1/2NE1/4SE1/4, S1/2S1/2NE1/4, GL-5  
16                  Section 14, Lot 4  
17                  Section 15, south of Tanana River  
18                  Section 16  
19                  Section 21, east of military reservation  
20                  Section 22  
21                  Section 23, NE1/4NE1/4, that portion west of  
22                        Richardson Highway  
23                  Section 25, south of Richardson Highway  
24                  Section 26, excl. Lot 1  
25                  Section 27, east of military reservation  
26                  Section 35  
27                  Section 36, W1/2SW1/4  
28                  Township 6 South, Range 5 East, Fairbanks Meridian  
29                  Sections 1 - 4

1                   Sections 9 - 15

2                   Section 16, S1/2, NE1/4

3                   Section 20, S1/2

4                   Sections 21 - 28

5                   Section 29, N1/2

6                   Section 36

7                   Township 6 South, Range 6 East, Fairbanks Meridian

8                   Section 1

9                   Sections 3 - 9

10                  Section 10, W1/2

11                  Section 11, E1/2

12                  Sections 12 - 36

13                  Township 6 South, Range 7 East, Fairbanks Meridian

14                  Sections 3 - 36

15                  Township 6 South, Range 8 East, Fairbanks Meridian

16                  Township 6 South, Range 9 East, Fairbanks Meridian

17                  Township 6 South, Range 10 East, Fairbanks Meridian

18                  Township 7 South, Range 4 East, Fairbanks Meridian

19                  Section 1, excl. GL 2-4

20                  Section 2, east of military reservation

21                  Sections 11 - 12, east of military reservation

22                  Township 7 South, Range 5 East, Fairbanks Meridian

23                  Section 1, N1/2

24                  Section 5, west of right limit of Tanana River

25                  Sections 6 - 9

26                  Sections 15 - 17

27                  Sections 20 - 22

28                  Section 23, west of right limit of Tanana River

29                  Section 26, west of right limit of Tanana River

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Section 27  
Sections 34 - 36

Township 7 South, Range 6 East, Fairbanks Meridian

Sections 1 - 5

Sections 8 - 15

Sections 11 - 28  
Section 29, S1/2  
Section 30, S1/2  
Sections 31 - 36

Township 7 South, Range 7 East, Fairbanks Meridian

Sections 1 - <sup>12</sup>36, excl. ASLS 81-213 except Tract A

Township 7 South, Range 8 East, Fairbanks Meridian

Sections 1 - 12

Sections 15 - 21  
Sections 28 - 34

Township 7 South, Range 9 East, Fairbanks Meridian

Sections 3 - 10

Sections 15 - 16, N1/2

Township 7 South, Range 10 East, Fairbanks Meridian

Sections 24 - 25

Sections 35 - 36

Township 7 South, Range 11 East, Fairbanks Meridian

Sections 1 - 2

Sections 11 - 14

Sections 19 - 36

Township 7 South, Range 12 East, Fairbanks Meridian

Township 8 South, Range 5 East, Fairbanks Meridian

Section 1

Sections 2 - 3, north of military reservation

1	Sections 11 - 12, north of military reservation
2	Township 8 South, Range 6 East, Fairbanks Meridian
3	Sections 1 - 12
4	Township 8 South, Range 7 East, Fairbanks Meridian
5	Section 1
6	Section 2, excl. Lot B
7	Sections 3 - 10
8	Section 11, west of Delta Creek
9	Section 14, west of Delta Creek
10	Sections 15 - 17
11	Sections 20 - 21
12	Section 22, west of Delta Creek
13	Sections 27 - 28, west of Delta Creek
14	Section 29
15	Township 8 South, Range 8 East, Fairbanks Meridian
16	Sections 1 - 6
17	Township 8 South, Range 10 East, Fairbanks Meridian
18	Sections 1 - 2
19	Section 8, excl. Quartz Lake Subdivision
20	Sections 9 - 13
21	Section 21, E1/2
22	Section 22
23	Section 23, W1/2
24	Sections 27 - 28
25	Section 29, E1/2
26	Sections 31 - 32
27	Sections 33 - 34, north of Tanana River
28	Township 8 South, Range 11 East, Fairbanks Meridian
29	Sections 1 - 18

1                   Sections 22 - 27  
2                   Section 36  
3                   Township 8 South, Range 12 East, Fairbanks Meridian  
4                   Sections 1 - 10  
5                   Sections 15 - 22  
6                   Sections 27 - 34  
7                   Township 8 South, Range 13 East, Fairbanks Meridian  
8                   Sections 25 - 26  
9                   Sections 33 - 36  
10                  Township 9 South, Range 10 East, Fairbanks Meridian  
11                  Sections 4 - 6, north of left limit of Tanana River  
12                  Section 7, GL-1  
13                  Township 9 South, Range 11 East, Fairbanks Meridian  
14                  Section 3, S1/2  
15                  Sections 4 - 5  
16                  Sections 8 - 11  
17                  Sections 13 - 16  
18                  Section 17, E1/2, NE1/4SW1/4, SW1/4NW1/4  
19                  Sections 21 - 27  
20                  Section 28, excl. F02662  
21                  Township 9 South, Range 12 East, Fairbanks Meridian  
22                  Sections 19 - 21  
23                  Sections 28 - 36  
24                  Township 9 South, Range 13 East, Fairbanks Meridian  
25                  Sections 1 - 3  
26                  Section 10, E1/2  
27                  Sections 11 - 13  
28                  Section 24 - 25  
29                  Section 26, S1/2

1                                   Section 27  
 2                                   Sections 34 - 36  
 3           Township 9 South, Range 14 East, Fairbanks Meridian  
 4           Township 9 South, Range 16 East, Fairbanks Meridian  
 5                                   Sections 19 - 36  
 6           Township 10 South, Range 12 East, Fairbanks Meridian  
 7                                   Sections 1 - 3  
 8                                   Sections 4 - 6, north of left limit of Tanana River  
 9                                   Sections 10 - 12, north of left limit of Tanana River  
 10          Township 10 South, Range 13 East, Fairbanks Meridian  
 11                                   Sections 1 - 6  
 12                                   Sections 7 - 8, north of left limit of Tanana River  
 13                                   Sections 9 - 12  
 14                                   Sections 14 - 15, N1/2  
 15          Township 10 South, Range 14 East, Fairbanks Meridian  
 16                                   Sections 1 - 20  
 17                                   Section 21, NE1/4SE1/4, W1/2, N1/2NE1/4  
 18                                   Sections 22 - 24  
 19                                   Section 25, excl. Tract C  
 20                                   Section 26, excl. SW1/4SW1/4  
 21                                   Section 27, N1/2NE1/4, NE1/4NW1/4  
 22                                   Section 28, W1/2  
 23                                   Section 29  
 24                                   Section 30, NE1/4NE1/4  
 25                                   Section 32, excl. Tract U, Delta I  
 26                                   Section 33, W1/2  
 27          Township 10 South, Range 16 East, Fairbanks Meridian  
 28                                   Sections 1 - 35  
 29          Township 11 South, Range 14 East, Fairbanks Meridian

1 Section 4, NW1/4, Tracts A,B,E  
2 Section 5, excluding Tract U, Delta Barley I  
3 Section 9, Tracts A,B, E1/2  
4 Section 10, Tracts B,C  
5 Section 15, Tracts B,C  
6 Section 16, E1/2, Tracts A,B  
7 Section 21, Tracts A,B  
8 Section 22, NW1/4, Tracts A,B,D  
9 Section 23, Tracts A,B,D,E  
10 Section 26, Tracts A,B,C,D  
11 Section 35, E1/2, Tracts A,B  
12 Section 36, Tracts A,B,C,D,E

13 Township 12 South, Range 14 East, Fairbanks Meridian

14 Section 1, excl. USS 4013  
15 Section 2, excl. ASLS 79-93  
16 Section 11, excl. ASLS 79-93  
17 Sections 12 - 13  
18 Section 14, excl. ASLS 79-93  
19 Sections 23 - 25, excl. ASLS 79-93  
20 Section 36, excl. ASLS 79-93

21 Township 12 South, Range 15 East, Fairbanks Meridian

22 Sections 2 - 6  
23 Section 7, excl. SE1/4SW1/4  
24 Sections 8 - 14  
25 Section 15, E1/2, E1/2NE1/4  
26 Sections 18 - 19, W1/2W1/2  
27 Section 21, S1/2SE1/4  
28 Section 22, excl. N1/2NW1/4  
29 Sections 23 - 30

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Section 31, SW1/4  
Section 32. SE1/4, S1/2SW1/4  
Sections 33 - 36

Township 12 South, Range 16 East, Fairbanks Meridian

Sections 1 - 5  
Sections 9 - 16  
Sections 21 - 28  
Sections 34 - 36

Township 13 South, Range 15 East, Fairbanks Meridian

Sections 1 - 3  
Section 4, N1/2SE1/4, NE1/4, N1/2NW1/4, SW1/4NW1/4,  
NW1/4SW1/4  
Section 5, Tracts A and C  
Section 6, north of Alaska Highway  
Section 11, Tracts D and F  
Section 12  
Section 13, Tracts B and C

Township 13 South, Range 16 East, Fairbanks Meridian

Section 1  
Sections 6 - 7  
Section 12, excl. George Lake Subdivision  
Sections 16 - 18  
Sections 19 - 20, north of left limit of Tanana River  
Section 21  
Section 27  
Sections 28 - 29, north of left limit of Tanana River  
Sections 32 - 33, north of left limit of Tanana River  
Sections 34 - 35

Township 14 South, Range 16 East, Fairbanks Meridian



1                   Section 23  
 2                   Section 26, NE1/4, E1/2NW1/4  
 3                   Two Rivers Site:  
 4                   Township 1 South, Range 3 East, Fairbanks Meridian  
 5                   Section 11, N1/2SE1/4, N1/2S1/2SE1/4, SE1/4SE1/4SE1/4,  
 6                   E1/2SW1/4SE1/4SE1/4, NW1/4SW1/4SE1/4SE1/4, NE1/4-  
 7                   SE1/4SW1/4SE1/4, W1/2SE1/4SW1/4SE1/4, SW1/4SW1/4SE1/4  
 8                   Section 14, W1/2W1/2NE1/4, W1/2NE1/4SW1/4NE1/4, SE1/4-  
 9                   SW1/4NE1/4, W1/2NW1/4SE1/4, NE1/4NW1/4SE1/4, NW1/4-  
 10                  SE1/4NW1/4SE1/4, NW1/4NW1/4SW1/2SE1/4, N1/2SW1/4,  
 11                  N1/2NE1/4SE1/4SW1/4, N1/2NE1/4SW1/2SW1/4, NW1/4SW1/4-  
 12                  SW1/4SW1/4, NW1/4SW1/4SW1/4, NW1/4  
 13                  Section 15, S1/2N1/2, S1/2  
 14                  Section 16  
 15                  Martin Site:  
 16                  Township 1 North, Range 4 West, Fairbanks Meridian  
 17                  Section 23, S1/2  
 18                  Section 24, S1/2  
 19                  Section 27, NE1/4, S1/2  
 20                  \* Sec. 5. AS 41.17.020(c) is repealed.

Section 4 of this Act takes effect 30 days after the governor certifies to the legislature that land north of latitude 63°00' and west of longitude 141°00' with an acreage equal to one-fifth of the acreage of the land described in AS 41.17.400(d) as enacted in sec. 4 of this Act has been transferred by the Department of Natural Resources into private ownership since the effective date of this Act.

Section 4 of this Act is repealed July 1, 1985, if a management plan for the Tanana Valley State Forest is disapproved by concurrent resolution of the legislature within 90 days of its submission to the legislature.

21                  \* Sec. 6. <sup>Except for sec. 4,</sup> This Act takes effect July 1, 1983.

January 27, 1983

Senate Resource Committee  
Attention: Pat Pourchot

RE: State Forest System  
(Work Order No. 13-0429)  
FNSB Industrial Sites

Dear Pat:

High noon has passed, and still the information is not in your hands. My apologies for the delay.

Three changes in the text of the bill will address the concerns of Richard A. Bradley, Legislative Counsel. Rather than repeat complicated legal descriptions, I will describe the changes by page number and line. If this is not sufficient, please call me and I will be more precise.

- 1) Page 30, line 27 should be changed to read "...or a portion of the land within the areas described in this section for use as..."
- 2) Page 31, lines 23 through 27 should be changed to read:

Section 11, N $\frac{1}{2}$ SE $\frac{1}{4}$ , N $\frac{1}{2}$ S $\frac{1}{2}$ SE $\frac{1}{4}$ , SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ ,  
E $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ , NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ , NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ ,  
W $\frac{1}{2}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$

Section 14, W $\frac{1}{2}$ W $\frac{1}{2}$ NE $\frac{1}{4}$ , W $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ ,  
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NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ , NW $\frac{1}{4}$

PLEASE  
INSERT

3)  
4)

- 3) Page 32, add at line 3, Section 23, S $\frac{1}{2}$ , Section 24, S $\frac{1}{2}$
- 4) Page 32, lines 4 through 10 should be entirely deleted (i.e. all of the Johnson Site description).

(Martin  
Site, T.M.  
RAW.)

In addition, for your information only (unrelated to the Counsel's concerns on the industrial site descriptions), a number of parcels of federal land have been included in the Forest description. On page 15, lines 25, 28 and 29, the legal description should exclude those portions of Sections 11, 12, 13, 14, 23, and 24 which were taken by the Corps of Engineers under ADL 400028, Condemnation Proceedings. If the land to be excluded needs to be described in the affirmative, as expressed by the Counsel, then the description will be long and cumbersome. If what I have provided here is not sufficient, then I would recommend further research on the issue.

I hope the clarification provided here adequately addresses the Counsel's concerns. If further information is required, do not hesitate to contact me.

Yours truly,

Paula Twelker, Planner  
Fairbanks North Star Borough

2/4/83

Pat -

Allow me to introduce myself: Paula Twalke.

I have other business to attend to, so am leaving temporarily. If you have an opportunity, my office is upstairs in this bldg. - would enjoy talking with you.

Please note the addition to earlier letter. - I inadvertently omitted two half-sections which should be included in "backcut" for industrial site. Please include.

Thank you -  
Paula

# STATE OF ALASKA

BILL SHEFFIELD, GOVERNOR

## DEPARTMENT OF NATURAL RESOURCES

OFFICE OF THE COMMISSIONER

POUCH M  
JUNEAU, ALASKA 99811  
PHONE:

April 15, 1983

The Honorable Bettye M. Fahrenkamp  
Chairman, Senate Resources Committee  
Alaska State Legislature  
Pouch V  
Juneau, AK 99811

Dear Senator Fahrenkamp:

As a result of a final exhaustive review of the legal descriptions for The Tanana Valley State Forest, DNR recommends five technical amendments:

1. Pg. 25 T1S R4E FM Sections 11 and 12 should read "East of the  
west limit of the Tanana River."

This correction is necessary since the military reservation boundary does not extend into these sections.

2. Pg. 25 T1S R4E FM Section 11 should include only the N1/2.

This change is necessary to prevent conflict with a current disposal offering.

3. Pg. 4 T1N R3E FM Section 6 should be deleted.

This change would facilitate a high quality FY 84 remote parcel disposal with future road access provided by forest management activities.

4. Pg. 21 T3S R7W FM Section 3 should be deleted.

This area was a part of the original Two Mile Lake Ag sale which was deleted until salvage of forest products could be completed. This salvage operation is actively underway at present. Agricultural rights will be offered during FY 85.

5. Pg. 21 T3S R7W FM Section 30 should have the W1/2NW1/2<sup>4</sup> excluded.

Ag rights were sold in early FY 83.

sec. 30, S $\frac{1}{2}$ , NE $\frac{1}{4}$ , E $\frac{1}{2}$  NW $\frac{1}{4}$

these go on  
separate lines  
like in bill

The Honorable Bettye M. Fahrenkamp

Page 2

April 15, 1983

We recommend these technical charges (approximately 760 acres) in the bill in order to eliminate potential management problems while fully meeting the purposes of SB 108. If we can provide further clarification, please feel free to contact either Tom Hawkins, Director, Division of Land and Water Management (265-4355) or John Sturgeon, Director, Division of Forestry (265-4465) directly.

Sincerely,

*BV Arnold*

*fr* Esther C. Wunnicke  
Commissioner

cc: Tom Hawkins  
John Sturgeon

# Forest issue thorny for Ringstad

**JUNEAU**—It took plenty of political muscle and more than \$36,000 to knock off a four-term veteran of the state House last year.

But 29-year-old John Ringstad, a former legislative aide and part-time real estate broker, pulled it off with the help of several influential Fairbanksans and their business and social organizations.

Now, many of those same persons and groups are battering heads with Ringstad over an issue that until just a month or so ago was a sleeper—creation of a 1.7 million-acre Fairbanks area state forest.

It's an issue over which Ringstad—jolly, bearded and acutely aware of his political debts—stands to gain little, and perhaps lose a lot.

He has been barraged with mail and phone calls from back home, arm-twisted by fellow lawmakers and even badgered by relatives who claim the proposed forest is one big lockup.



DAVID HAMSEUR

**From the Capitol**

"John thinks that because Bettye Fahrenkamp brought this out he should help get it through," said Ringstad's uncle, Fairbanks miner Mark Ringstad. "I don't know why he's scared of her. He should just kill it."

The forest measure has been three years in the making by

Fahrenkamp, a five-year state senator who has named it her most important bill this session. In previous years, the measure has never passed the House.

This year the Senate approved it by a healthy margin but it's been lodged in the House Resources Committee, a panel co-chaired by Ringstad, since April 21.

The committee's other co-chairman, Rep. Dick Shultz, R-Delta Junction, has said he supports the bill although he wants some sections of land dropped from it.

Ringstad said this week he expects his committee to OK a diluted version of the bill early next week, perhaps clearing the way for full legislative approval.

In the meantime, the pressure is mounting.

For the last two weeks, the weekly teleconference gripe sessions between Fairbanks lawmakers and their constituents have focused almost exclusively on one issue—the forest bill. And many of the comments are directed specifically at Ringstad.

"You feel like you're the odd man out," he said, peering over a map of the proposed forest which arcs through the Interior like a boomerang, spanning from Nenana to Fairbanks and south to Tok.

Ringstad estimates he's received about 75 letters and public opinion messages on the forest bill since it landed in his committee—more than any other issue this year. They are running about four-to-one in support of the forest.

But well-heeled Ringstad campaign supporters including the local chapter of the Alaska Miners Association are fighting it.



**DIFFICULT ISSUE**—Rep. Bob Bettisworth, left, has no great liking for the forest bill while Rep. John Ringstad, right, who worked as Bettisworth's aide for the two previous legislative sessions, finds himself caught in the middle. (Staff photo by Eric Muehling)

Interior legislators have long boasted of their unity for the good of their districts, but this bill has them sharply divided, with Ringstad in the middle.

He admits his usual jovial dealings with Fahrenkamp, who controls an important Senate committee and can deep six issues important to the Republican run House, are "awkward."

On the other hand, the man who politically nursed Ringstad, fellow GOP Rep. Bob Bettisworth, is no adorer of the bill. Ringstad worked as Bettisworth's aide for the two previous legislative sessions and the two now operate closely.

Other Ringstad allies in the House, staunch conservatives who detest the government's hand in land ownership, want the measure shelved.

Ringstad, the most visible member of a third-generation Fairbanks family, hopes to wiggle away from the issue with the time-honored tradition of political compromise.

He plans to drop some of the more controversial sections of land from the bill, and let it reach the full House.

"Conceptually I agree with it," he said. "It's in some of the details I've got the concerns."

# Engine faces uncertain destination

Track from the original line, which ran between Chatanika and Olmes with spurs to Fairbanks, can still be used, Wescott said, after her husband restores it in their shop.



The Wescotts renewed their request in a letter last week which may be discussed at Monday night's council meeting. "As a summer tourist business we need a definite answer on the engine now," they said.

\$83,655, for the 30.5 acre development.

The city may require the site to be annexed within three and a half years.

Wise's preliminary estimates indicate usage of 2 million gallons of wa-

Dave,

The Tanana Valley State Forest is an outgrowth of the Tanana Basin Plan. Public meetings have been held on the plan, which included the option of a State Forest, over the past year. The State Division of Forestry will be able, at your May 6 hearing, to provide the House Resources Committee with information on when and where public meetings were held.

Senate Resources sponsored hearings on the bill itself:

Fairbanks, February 4, 1983

- general hearing on bills in Committee

Juneau, February 25, 1983

- received no testimony opposing the forest. Supportive testimony was received from the following:

- Department of Natural Resources, John Sturgeon
- Alaska Sportsman's Council, Robert Phillips
- Society of American Foresters, Gene Miller
- Alaska Miners Association, Phil Holdsworth
- Alaska Loggers Association, Peter Huberth
- Alaska Environmental Lobby, Brian Allen
- Fairbanks North Star Borough, Bill Zyback
- League of Women Voters, Sally Wells

Fairbanks, March 11, 1983

- heard from several individuals (only one expressed opposition) and the following:

- Tanana Chiefs Conference, Lisa Jaeger
- Fairbanks Environmental Center, Nina Mollett
- Fairbanks North Star Borough, Mayor Allen
- Society of American Foresters, Glenn Juday
- Alaska Miners Association, Roger Burgraff

Juneau, March 21, 1983

- Committee adopted several amendments based on earlier public testimony, and passed the bill out of Committee

*Sandra*

ALASKA MINERS ASSOCIATION  
65 10th Ave., Apt #307  
Fairbanks, Alaska 99701

To Pat Pourchot  
% Senator Fahrenkamp  
From Kristi Byrd

April 17, 1983

Senator Bettye Fahrenkamp, Chairman  
Senate Committee on Resources  
Alaska State Legislature  
Pouch V, State Capital  
Juneau, Alaska 99811

Re: CSS3-108  
State Forest System

Dear Bettye:

We have some reservations about this bill as follows: Our people say this is not the same bill they testified for previously. Lines 17, 18, and 19 we feel should refer to renewable resources, as stated in the State Forestry Law Ch 41.17.060.

Line 13-b says "a State forest established by the legislature shall be retained in State ownership". Our concern here is how much good State land will be available for future private use? Forest land is also prime land for homesites and industry. Will this leave only the frozen north slopes and swamps for private use? The bill calls for 1,750,000 acres of land in the Tanana Basin to be retained as State Forest. We feel this section of the bill should be amended to provide for private and industrial use in the best available areas as needed by people.

Page 2, line 11, Sec. 41.17.220 does not recognize nonrenewable resources.

Sincerely,

*Carl Heflinger*

Carl Heflinger  
Director, Alaska Miners Association  
Fairbanks Branch

cc: John Ringstad  
Alaska State House  
Bob Bettisworth

Informal Div. Of Forestry comments:

"After planning and/or classification procedures under AS 38.05 have been completed identifying primary uses of the State lands in an area, the Governor shall propose to the legislature, state forests, consisting of primarily forest land determined by the Governor to be desirable for retention in State ownership as multiple-use land.

M E M O R A N D U M

TO: Bill Allen, Borough Mayor

FROM: Richard Joy, Environmental Engineer *RWJ*

THROUGH: Don Moore, Director, Public Facilities & Services

SUBJECT: PRESENTATIONS ON INDUSTRIAL PARK SITING STUDY

DATE: December 14, 1982

I have scheduled the following presentations on the status of the Borough's Industrial Siting Study. I am asking Dawn Mach to attend these meetings in case any questions concerning land status arise. I am also inviting the rest of the Industrial Siting Committee (Scott Burgess, Juanita Helms, Ben Harding or Bill Zybach) to attend if they so desire. Don Moore has also indicated that he would like to attend these presentations.

- 1) Chamber of Commerce Economic Development Committee Meeting - Monday, January 3rd, 7 a.m., Chena Room of the Travaler's Inn.
- 2) Alaska Interior Development Services Meeting - Friday, January 7th, 12 noon, Castle Inn.

I intend to follow the general outline shown below for these presentations.

- 1) Introduction of Industrial Siting Committee members.
- 2) Explanation of why the Borough is doing this study.
  - a. Paucity of information available on large-scale sites (greater than 1,000 acres).
  - b. 1,000 acre minimum chosen so as not to put Borough in competition with private industry.

- c. Borough function is to do the planning for such industrial development; then industry can provide the actual infrastructure.
3. Brief review of Phase I Study
  - a. Scope of work
  - b. Results/Recommendations
4. Phase II scope of work
  - a. Baseline on-site measurements.
  - b. Description of sites we are looking at.
  - c. Current intention to expand scope of work to include transportation corridor study to Tanana and Ohio Creek sites.
  - d. Site versus type of industry match-ups.
  - e. Recommendations to Borough for selection of State land.
5. Phase II contractor
  - a. Prime contractor - R. W. Thorpe and Associates
  - b. Sub-contractors
    - (1) Alsid & Associates with help from UA Geophysical Institute - air quality/air flow.
    - (2) Stepan & Associates and Jim Ringstad - geology/hydrology.
    - (3) TRANSPO Group - transportation
    - (4) ENTRANCO Engineers - fauna
6. Current status of study
  - a. Work done to-date
    - (1) Site visits

- (2) Geology/hydrology/flora & fauna investigations
- (3) Mapping
- (4) Preliminary recommendations on site suitability

b. Study progression

- (1) Air quality/air flow investigations: December-March
- (2) Core sampling: March-April
- (3) Report preparation
- (4) Final report due: July 15, 1983

7. Summary

a. What Borough wants to get from this study

- (1) Industry versus site matchups
- (2) Suitable specific locations on each site
- (3) Anticipated effects due to such development
- (4) Which sites the Borough would like to acquire from the State.

b. What the Borough will do after the Phase II study is completed.

- (1) By January 1, 1984 the Borough will tell the State which sites we would like to acquire.
- (2) Provide all information developed in Phases I and II to any interested parties.

If you wish me to make any changes or additions to this outline, please let me know.

## INTRODUCTION

### Purpose of Study

The objective of this study is to assess the suitability of six sites, selected during Phase I of the Industrial Siting Study, for industrial development, based upon natural determinants. The locations of these respective sites are illustrated in Figure 1. Areas within each study area will be identified according to the degree of limitations they pose to the industrial uses previously defined in Phase I. The most probable use of each site will be determined, as will the environmental impacts of development on the respective sites. A listing of mitigating measures for the adverse impacts associated with each development scenario be presented.

### Study Process

The sites selected in Phase I for potential industrial development will be evaluated according to their relative suitability through the following process:

1. Identification and analysis of siting criteria applicable to the proposed uses;
2. Identification and description of local environmental factors pertinent to an analysis of building constraints;
3. Inventory, analysis and mapping of existing environmental factors and transportation and utility infrastructure for each site;
4. Analysis and mapping of developable and non-developable areas of each site;
5. Most probable use analysis describing industrial park scenarios which would most likely occur on the sites;
6. Analysis of potential adverse environmental impacts associated with the industrial park scenarios, set forth in a weighted matrix; and
7. Listing of recommended measures intended to mitigate adverse environmental impacts associated with the industrial park scenarios.
8. Assessment of each site as to its probability and acceptability for use by one or more of the industries identified in the Phase I Study (i.e., petrochemical, hard rock mineral processing, wood products processing, agricultural storage and handling, and/or livestock production) and associated support industries. The results to be shown in a comparative matrix.

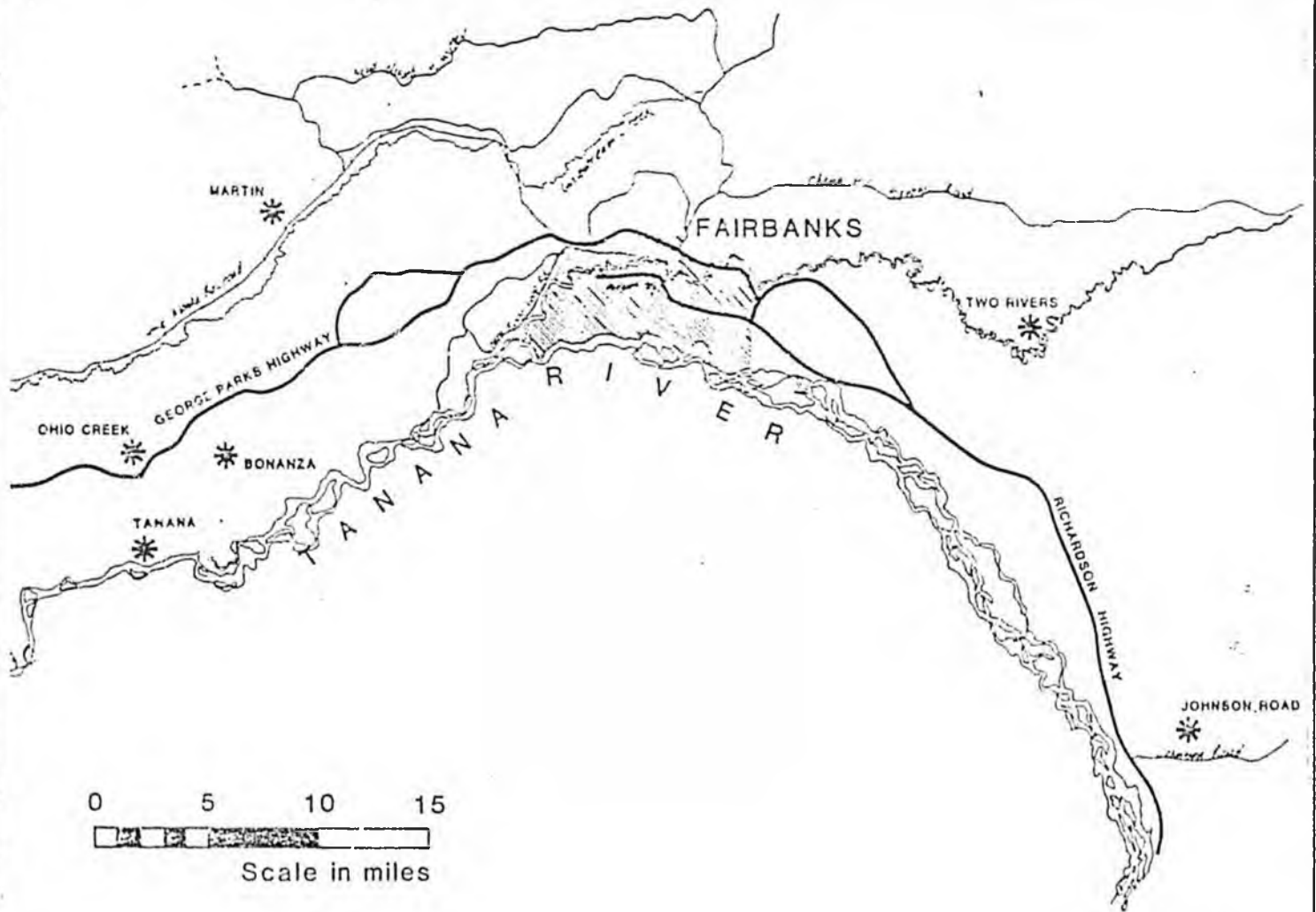


FIGURE 1  
VICINITY MAP

## Criteria

In order to determine the suitability of each potential site for industrial development, the specific requirements of the planned uses have been identified. Each site will differ in its ability to accommodate these requirements and in its capacity to absorb the environmental impacts associated with the proposed uses. The following siting criteria were utilized in determining appropriate industrial sites:

1. Proximity to existing railways and steepness of grade within potential extension corridors;
2. Steepness of slope within each site;
3. Susceptibility of identified soil types to erosion, earth movement or seismic activity;
4. Location of permafrost soils;
5. Proximity to poorly drained areas;
6. Location of areas exhibiting poor air dispersion;
7. Accessibility and quantity of water supply;
8. Proximity to critical habitat or archaeological/historical sites;
9. Land ownership and zoning;
10. Proximity to petrochemical supply and utilities networks, including electrical power and heating oil;
11. Opportunities for siting of waste disposal facilities; and
12. Cost of construction of access roads.

## Environmental Factors

During Phase I of the Fairbanks Industrial Siting Survey, the above criteria formed the basis for the selection of six general sites considered appropriate for industrial development. These criteria will be further refined and the potential environmental impacts of development will be analyzed in order to determine development opportunities and limitations on a site specific basis.

From an engineering standpoint, site specific factors posing limitations to development include permafrost zones, steep grades, unstable soils and boggy areas. An assessment of topography and drainage on each of the sites involves studying the interaction of several natural determinants: slopes,

soil type, and vegetation. Slope stability is affected by the nature of overlying soils, particularly if the soil type is susceptible to creep. In addition, the removal of vegetation during the development process will increase the potential for erosion of surficial soils.

Additionally, the topography of a site will be indicative of the ability of the local atmosphere to disperse air contaminants associated with vehicular exhaust and the burning of fossil fuels. The identification of critical habitat or archaeological/historical sites will further limit the extent of developable areas.

### Topography

The potential industrial sites are situated upon portions of hills and ridges which exist along the north side of the Tanana River Valley and farther north within the Yukon-Tanana Upland. These uplands are cut by ravines and streams which are tributaries of the Tanana River.

The relative steepness of slopes within the subject sites is an important factor with regard to the siting of both railway access corridors and industrial structures, both of which require relatively level terrain. In the case of railways, grades are normally less than 1%. Significant earth-working would be required for lines extending above 800 feet.

The elevations of the subject sites vary from 400 feet to just over 1110 feet, with an average range in elevation of approximately 500 feet per site. Although all of the sites are to some extent sloping (a favorable characteristic from the standpoint of drainage), these slopes are generally moderate, with only a small fraction of the slopes exceeding 20%.

### Soils

Soil types vary by site according to depth to permafrost, slope, and permeability characteristics. The existence of permafrost is a major factor locally in determining drainage characteristics. Permafrost soils, common to north slopes, tend to drain poorly, as do soils common to the lower

elevation, and relatively flat areas. These soil types have correspondingly poor development potential. Conversely, non-permafrost and/or well-drained soils exhibit the least constraints toward development.

The soils type analyses presented in the subsequent sections dealing with the individual sites were prepared from soil reports prepared by the U.S. Department of Agriculture, Soil Conservation Service in cooperation with the University of Alaska, Institute of Agricultural Sciences. These soils reports cover a large area and do not concentrate on any specific area.

It was felt that on-site soil boring test holes would be advantageous to these soils reports and would also provide first hand knowledge of on-site soils. Because of the high expense of soil test borings, the number of test borings was limited.

The Tanana and John. Road sites were selected for test borings based on the total site matrices which indicated them to be highly favorable over the other sites. The location of the test borings for each were selected on information reflected in the slope analysis study, the preferred soil use analysis and access to the test hole locations.

The development potential of the soils found on the six sites are categorized as follows:

Soils Having Minor Development Constraints

FaB	Fairbanks Silt Loam - Gently Sloping
FaC	Fairbanks Silt Loam - Moderately Sloping
FaD	Fairbanks Silt Loam - Strongly Sloping
FaE	Fairbanks Silt Loam - Moderately Sloping
FaF	Fairbanks Silt Loam - Steep
FmC	Fairbanks Silt Loam - Moderately Deep - Moderately Sloping
FmD	Fairbanks Silt Loam - Moderately Deep - Strongly Sloping
FmE	Fairbanks Silt Loam - Moderately Deep - Moderately Steep
FmF	Fairbanks Silt Loam - Moderately Deep - Steep

The Fairbanks soils are characteristically deep, nearly level to steep, well-drained silty soils on upland hills and ridges. The Fairbanks types vary according to their relative position on slopes and the steepness of slope. The permeability of these soils is moderate and runoff is medium to rapid depending on slope steepness. The hazard of water erosion on the flatter slopes is moderate and increases to very severe with those types occurring on steeper slopes. The susceptibility to frost action of the Fairbanks soils is high and the depth to permafrost is extremely deep or absent. These soils generally occur on south-facing slopes of hills and on top of ridges.

#### Soils Having Moderate Development Constraints

SvB	Steese Silt Loam - Gently Sloping
Sc	Salchaket Very Fine Sandy Loam
SvC	Steese Silt Loam - Moderately Sloping
SvD	Steese Silt Loam - Strongly Sloping
SvE	Steese Silt Loam - Moderately Steep
SvF	Steese Silt Loam - Steep

The soil types included within this grouping are somewhat less suitable for development than the Fairbanks soils. The Steese soils are gently sloping to steep, somewhat well-drained, with moderate to severe susceptibility to water erosion. Permeability is moderate and permafrost is either absent or at considerable depth.

The Salchaket soil type represented, Sc, is a very fine sandy loam existing on nearly level terrain. The type is commonly found adjacent to rivers and is generally more than 36 inches deep. This type is well-drained, with slow runoff. It has a slight water erosion hazard (except on stream banks), and a moderate to low susceptibility to frost action. Permafrost lenses may exist under native vegetation.

Soils Having Considerable Development Constraints

GmB	Gilmore Silt Loam - Gently Sloping
GmC	Gilmore Silt Loam - Moderately Sloping
GmD	Gilmore Silt Loam - Strongly Sloping
GmE	Gilmore Silt Loam - Moderately Steep
GmF	Gilmore Silt Loam - Steep
GrF	Gilmore Silt Loam - Very Shallow - Steep
MnA	Minto Silt Loam - Nearly Level
MnB	Minto Silt Loam - Gently Sloping
MnC	Minto Silt Loam - Moderately Sloping
MnD	Minto Silt Loam - Strongly Sloping

Minto Series soils are characteristically deep, nearly level to sloping, moderately well-drained silty soils. They occur on foot slopes or in poorly-drained areas with permafrost. Permeability is moderate, runoff is slow (except for the MnD type) and the hazard for water erosion is slight to moderate. Susceptibility to frost action is generally high with permafrost commonly found below six feet. Minto soils are generally the best in this region for growing crops.

The Gilmore soil types occur on high narrow ridges, are shallow (20 inches or less thick over bedrock), with moderate to severe susceptibility to water erosion, and a moderate to high susceptibility to water erosion. Permafrost is generally not present. Slopes can be very steep, ranging to above 30%.

### Soils Having Severe Development Constraints

EsF	Ester Silt Loam - Steep
GtA	Goldstream Silt Loam - Nearly Level
GtB	Goldstream Silt Loam - Gently Sloping
GtC	Goldstream Silt Loam - Moderately Sloping
Lp	Lemeta Peat
SuB	Saulich Silt Loam - Gently Sloping
SuC	Saulich Silt Loam - Moderately Sloping
SuD	Saulich Silt Loam - Strongly Sloping
SuE	Saulich Silt Loam - Moderately Steep
SuF	Saulich Silt Loam - Steep
Ta	Tanana Silt Loam

These soil types are not suitable for development due to steep slopes, slide hazard, or poor drainage. Ester Silt Loam, EsF, is found on steep (above 30%) north-facing slopes of high ridges and hills. The permeability of this type is moderate and the drainage is poor. Permafrost is found at a shallow depth, and the erosion hazard of this type is severe.

The Goldstream soil types are nearly level to gently sloping, poorly drained soils, with a perennially frozen substratum. Permeability is moderate (above permafrost), runoff is slow to medium, and the hazard of erosion is slight to moderate. The GtA type is found on broad alluvial plains and upland valleys.

Lemeta Peat, Lp, is a level, poorly-drained soil consisting of sphagnum moss and sedge peat. Permafrost is located at a very shallow depth, permeability is moderately rapid (above permafrost), runoff is slow, and the hazard of water erosion is slight or none.

The Saulich soil types occur on slopes ranging from gentle to steep. Permafrost is present in these soils at a shallow depths, above which permeability is moderate. Runoff ranges from slow to very rapid, depending on slope. Water erosion similarly increases with the steeper slopes. The susceptibility of this type to frost action is high.

Tanana soils, Ta, are nearly level, poorly-drained silt loams laid down by water. These soils are located on broad, low terraces and alluvial plains. Uncleared areas have permafrost at a depth of approximately 30 inches.

### Hydrology

Drainage characteristics, to a large degree, dictate soil types (previously discussed), and correspondingly, development limitations from an engineering standpoint. In addition, the adverse impacts associated with upland development are directed downstream through the transport of sediments (from cleared areas) and oils and other chemicals associated with the proposed developments. Consideration of the effects of constructed impervious surfaces, including roads, parking areas, and structures, is important in order to determine the impacts of increased runoff (resulting from the overcovering of pervious soils) on downstream water quality and quantity. The increase in peak runoff following development can cause flooding and the scouring of upstream drainage-ways. An increased load of sediments is transported downstream via tributary sources to accumulate at stream locations where water velocity is reduced. The adverse impacts associated with increased runoff can be mitigated through the construction of appropriate water detention systems. Downstream flood zones cannot be utilized for development without consideration of expensive floodproofing (where feasible).

All of the drainage basins of the prospective sites drain to tributaries of the Tanana River. Tributaries associated directly or indirectly with the drainage sub-basins of the sites which discharge directly into the Tanana River include the following: Bonanza Creek (associated with the Tanana Site, Bonanza Site, and a portion of the Ohio Creek Site), the Chena River (associated with the Two Rivers Site), Goldstream Creek (associated with the Martin Site and a portion of the Ohio Creek Site - via Ohio Creek), and the Little Salcha River and French Creek (both associated with the Johnson Road Site).

## Vegetation

Vegetation plays an important role in providing habitat and travel corridors for terrestrial wildlife. Vegetation additionally acts to stabilize soils and runoff in sloped areas, thus minimizing erosion and resulting from development. When vegetation is removed within permafrost areas, either through fire or human development, heat penetrates bare soils, thereby thawing the upper permafrost. The accelerated runoff and erosion associated with the clearing of upland forests can in turn cause a "scouring" of upper stream tributaries is discussed under Hydrology (above), and, and correspondingly, the siltation of downstream river corridors. This process is particularly pertinent to the subject sites as they generally contain upland ridges, surrounded by ravines, or tributaries of the Tanana River.

Vegetation communities within the potential industrial sites, as well as in the Yukon Region as a whole, vary primarily according to drainage characteristics. The areas having the most rapid drainage support the upland forests of birch and aspen, common to all of the sites. Permafrost soils are impermeable where the downward movement of precipitation is inhibited. Lowlying areas, common to the region along the Yukon River and its tributaries, also exhibit very slow drainage characteristics. These areas tend to support black spruce, as well as bogs and muskeg communities.

The degree of solar radiation, as dictated by slope orientation, is another factor contributing to the "dryness" of a vegetative type. Not only do south-facing slopes contribute to a faster rate of transpiration of plants, but they also tend to be devoid of permafrost soils. South-facing slopes can, therefore, have soils which exhibit more rapid permeability than the permafrost soils of north-facing slopes. The contrast in the comparative amount of sunlight reaching north and south-facing slopes is especially great at this latitude where summer radiation along south-facing slopes approaches 24 hours a day in early summer.

Wildfire plays a primary role in successional plant growth throughout interior Alaska. Its effects are also evident on the respective industrial sites. Fire alters the nitrogen cycle and may stimulate plant growth, as Forest soils thus tend to revegetate rather rapidly following a fire,

M E M O R A N D U M

RE: Methodology in Determining Development Constraints -  
Fairbanks Industrial Siting Study

DATE: January 19, 1983

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The physical development constraints associated with the prospective sites were determined through analysis of slope, soil types, drainage characteristics, and vegetation types. The slope analysis and soils maps were overlaid in order to initially categorize suitable vs. non-suitable areas as a function of steepness of slope and soil characteristics. Pertinent soils factors effecting development potential (as a function of soil type) include permeability, drainage, existence of and/or depth to permafrost, and steepness. Infrared aerial photos were used to map vegetation types and confirm drainage courses. Because of the role of vegetation as an indicator of drainage characteristics and soil type, the vegetation maps were checked for consistency with the mapped soils types. The three vegetation categories mapped: hardwood, black spruce, and treeless bogs bear a general relationship to development constraints from the standpoint of drainage.

Although steepness of slope was incorporated in the analysis of development constraints, the primary factor limiting development is poorly-drained soils and underlying permafrost which is associated with relatively level or low-lying areas and north-facing slopes. Because the slower draining areas occur on relatively level terrain, the moderately-sloped areas show improved drainage characteristics. The steepest slopes, of which there are very limited areas over 20% steepness, were categorized as "severe" regardless of soil type. Whereas, steepness of slope is important as a factor effecting the development suitability of the otherwise "favorable" Fairbanks, and Steese soils, it generally does not play as great a role in

determining the suitability of the other soil types. This is because the remaining types are either found on relatively level terrain anyway, or else they exhibit adverse drainage (and permafrost) characteristics which render them less suitable or unsuitable for development due to the drainage factor alone. The three constraint categories which have been mapped are described as follows: (soil type characteristics are further described in the report introduction and for each site)

#### Minor Constraints

All Fairbanks and Steese soils below 10% in slope. These soils are generally well drained and free of permafrost. This category is similar to the minor constraints category shown on the Stepan and Associates soils maps, except that Steese soils have been added and slopes greater than 11% have been excluded.

#### Moderate Constraints

Includes Salchaket, Gilmore, and Minto soils (below 20% slope) and Fairbanks and Steese soils which are between 11% and 20% in slope. These soils pose moderate constraints toward development due to permafrost, shallow soils, or somewhat steeper slopes. This category includes all soils listed under the Moderate and Considerable Constraints categories shown on the Stepan and Associates soils maps, except that Steese and Fairbanks soils less than 10% and greater than 20% are excluded, as are all other soils steeper than 20%.

#### Severe Constraints

Includes Ester, Goldstream, Lemeta, Saulich, and Tanana soils, and all categories greater than 20% in slope. These soil types pose severe constraints toward development due to shallow permafrost, poor drainage, and/or boggy conditions, or steep slopes. This category is similar to the Severe Constraints category as shown on the Stepan and Associates soils maps, except all soils above 20%, regardless of type, are included as well.

The relative acreages of the physical constraint categories for each site, as mapped, are given in the table below. Special attention was given to certain sub-areas, as footnoted, due to their potential importance based on favorable access coupled with natural physical separation from the remainder of the site.

Physical Constraint Categories  
Relative Acreages for Each Site

	<u>Physical Constraint Categories in Acres</u>			
	<u>Minor</u> <u>Constraints</u>	<u>Major</u> <u>Constraints</u>	<u>Severe</u> <u>Constraints</u>	<u>Total</u> <u>Site</u>
Johnson Road	240	1245	260	1745
Two Rivers	760	1240	700	2700
NE "Sub-area" only <sup>1</sup>	200	160		
Martin	1000	3570	390	4960
SE "Sub-area" only <sup>2</sup>	320	880	30	
NF "Sub-area" only <sup>3</sup>	320	400	140	
Tanana	1320	1758	2272	5350
North "Sub-area" only <sup>4</sup>	760	1200	260	
Bonanza	680	1360	440	2480
Ohio Creek	520	1550	1600	3670

<sup>1</sup> Area located at northeast corner of site with advantageous access to Chena Hot Springs Road, and separated from remainder of site by severe constraints area as mapped.

<sup>2</sup> Area located at southeast corner of site adjacent to and with advantageous access to the Alaska Railroad and separated from the rest of the site by a maximum 900 foot ridge.

<sup>3</sup> Area located at northeast corner of site with advantageous access to Martin Siding Road and separated from the remainder of the site by Lincoln Creek.

<sup>4</sup> Large area at the north end of the site with advantageous access to the Parks Highway and separated from the remainder of the site (and large bog area) by Bonanza Creek.

# Tanana Chiefs Conference, Inc.

Doyon Building  
201 First Avenue  
Fairbanks, Alaska 99701  
Phone (907) 452-8251

May 5, 1983

Esther Wunnicke, Commissioner  
Department of Natural Resources  
Pouch M  
Juneau, Alaska 99811

Dear Commissioner Wunnicke:

The Tanana-Yukon state land classification proposal is enclosed, along with supporting resolutions and a contact list. The city of Tanana will be forwarding their resolution in the near future,

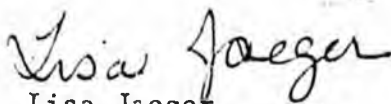
The classification request includes two areas which would specifically exclude disposals. One is on the Minto Flats south of Minto. There is very heavy use of the fish and game in that area by the people of Fairbanks, as well as by the people from Minto. It is also used as a recreation area. Perhaps in the future some sort of protective legislative designation will blanket that area.

The other area from which disposals are being asked to be excluded lies between Tanana and Manley Hot Springs and runs south along the Cosna River. That area is used mainly by the people of Tanana. With the closure of the Tanana Hospital and the subsequent loss of many jobs, the people there are very sensitive to disposals that add an extra drain on local resources and job markets.

There have been numerous public meetings and hearings held by DNR in Tanana, Manley Hot Springs and Minto. The people of those communities have had many opportunities to discuss activities on state land with one another. The enclosed classification request is a result of many special meetings in the communities involved. I have acted as a coordinator in this effort. Please feel free to contact me for more specific information.

Sincerely,

TANANA CHIEFS CONFERENCE, INC.



Lisa Jaeger  
Assistant Village Government Specialist  
Enclosures

cc: (of map, resolutions and this letter)  
Office of the Governor  
Senator John Sackett  
Representative Vernon Hurlbert  
Tanana Basin Plan  
Doyon  
Tanana Chiefs Subregional Office, Ruby

CONTACT PERSONS FOR TANANA-YUKON  
STATE LAND CLASSIFICATION PROPOSAL

Pat Moore, Mayor  
City of Tanana  
Tanana, Alaska 99777

Will Mayor, President  
Tozitna, Ltd.  
Tanana, Alaska 99777

Janice Carney, President  
Manley Village Council  
Manley Hot Springs, AK 99756

Dick Simmons  
Seth-de-ya-ah Corp.  
P.O. Box 849  
Fairbanks, Alaska 99707

Liz Newman, Chief  
Rampart Village Council  
Rampart, Alaska 99767

Gloria Albert, President  
Tanana Village Council  
Tanana, Alaska 99777

Dixie Dayo, President  
Bean Ridge Corporation  
P.O. Box 212  
Fairbanks, Alaska 99707

Sue Hollingsworth  
Lands Committee  
Manley Hot Springs Community  
Association  
Manley Hot Springs, AK 99756

Carlos Frank, Chief  
Minto Village Council  
Minto, Alaska 99758

Ms. Mary Jane Fate, President  
Baan-O-yeel-kon Corporation  
SR Box 30586  
Fairbanks, Alaska 99707

Lisa Jaeger  
Tanana Chiefs Conference, Inc.  
201 First Avenue  
Fairbanks, Alaska 99701

Title: Tanana-Yukon State Land  
Classification Proposal  
City of Tanana

Resolution No. ~~82-~~ **83-07**

WHEREAS: AS 38.04.005, AS 38.04.020, AS 38.04.065 and 11 AAC 55.270(a) give authority for the public to make classification requests to the Department of Natural Resources for state lands; and

WHEREAS: The City of Tanana is an official voice for its constituents; and

WHEREAS: The people of the City of Tanana have close ties to the land involved in this request; and

WHEREAS: This classification proposal does not include any village or regional corporation land or selections,

NOW THEREFORE BE IT RESOLVED that the City of Tanana formally requests the state to classify State land according to the enclosed map,

BE IT FURTHER RESOLVED that the Department of Natural Resources note the two (2) areas designated for exclusion of disposals and that the Department hold well-publicized hearings in affected communities prior to potential classifications which result in land disposals or transportation corridors,

BE IT FURTHER RESOLVED that the Department of Natural Resources keep the City of Tanana apprised of its decisions and activities concerning these state lands.

Wed May 11 1983  
Date

Peter M. Mace Mayor

Charles E. Ehart council member

Dem. Hall council member

Karen Kriska council member

Josephine Roberts council member

Peter J. Lommer council member



# TOZITNA, LIMITED

P.O. Box 122  
Tanana, Alaska 99777  
(366-7255)

TANANA-YUKON State Land  
Classification Proposal  
Tozitna Corporation  
Resolution No. 83-06

WHEREAS: AS 38.04.005, AS 38.04.020, AS 38.04.065 and 11 AAC 55.270 (a) give authority for the public to make classification requests to the Department of Natural Resources for state lands; and

WHEREAS: The Tozitna Corporation is an official voice for its constituents; and

WHEREAS: The people of Tozitna Corporation have close ties to the land involved in this request; and

WHEREAS: This classification proposal does not include any village or regional corporation land or selections,

NOW THEREFORE BE IT RESOLVED that the Tozitna Corporation formally requests the state to classify State land according to the enclosed map,

BE IT FURTHER RESOLVED that the Department of Natural Resources note the two (2) areas designated for exclusion of disposals and that the Department hold well publicized hearings in affected communities prior to potential classifications which result in land disposals or transportation corridors,

BE IT FURTHER RESOLVED that the Department of Natural Resources keep the Tozitna Corporation apprised of its decisions and activities concerning these state lands.

Thomas Swenson *Thomas Swenson* Lolita Gridley

Thomas Megg *Thomas Megg* Walter Carlo

Eileen Kozevnikoff *Eileen Kozevnikoff* William Carlo III

Josephine Roberts *Josephine Roberts* John Huntington

Linda Swenson

ADOPTED AND DATED this 12th day of November, 1982, at Tanana, Ak.

signed: *Eileen Kozevnikoff*  
Eileen Kozevnikoff

Title: Tanana-Yukon State Land  
Classification Proposal  
Village Council of Tanana

Resolution No. 82-     

WHEREAS: AS 38.04.005, AS 38.04.020, AS 38.04.065 and 11 AAC 55.270(a) give authority for the public to make classification requests to the Department of Natural Resources for state lands; and

WHEREAS: The Village Council of Tanana is an official voice for its constituents; and

WHEREAS: The people of the Village Council of Tanana have close ties to the land involved in this request; and

WHEREAS: This classification proposal does not include any village or regional corporation land or selections,

NOW THEREFORE BE IT RESOLVED that the Village Council of Tanana formally requests the state to classify State land according to the enclosed map,

BE IT FURTHER RESOLVED that the Department of Natural Resources note the two (2) areas designated for exclusion of disposals and that the Department hold well-publicized hearings in affected communities prior to potential classifications which result in land disposals or transportation corridors,

BE IT FURTHER RESOLVED that the Department of Natural Resources keep the Village Council of Tanana apprised of its decisions and activities concerning these state lands.

November 17, 1952  
Date

<u>Lucas Huntington</u>	_____
_____	_____
_____	_____
<u>Dorinda Stone</u>	_____
<u>Gloria Albert</u>	_____
<u>Pres. Robert Reid</u>	_____

Title: Tanana-Yukon State Land  
Classification Proposal  
Village Council of Minto

Resolution No. 82- \_\_\_\_\_

WHEREAS: AS 38.04.005, AS 38.04.020, AS 38.04.065 and 11 AAC 55.270(a) give authority for the public to make classification requests to the Department of Natural Resources for state lands; and

WHEREAS: The Village Council of Minto is an official voice for its constituents; and

WHEREAS: The people of the Village Council of Minto have close ties to the land involved in this request; and

WHEREAS: This classification proposal does not include any village or regional corporation land or selections,

NOW THEREFORE BE IT RESOLVED that the Village Council of Minto formally requests the state to classify State land according to the enclosed map,

BE IT FURTHER RESOLVED that the Department of Natural Resources note the two (2) areas designated for exclusion of disposals and that the Department hold well-publicized hearings in affected communities prior to potential classifications which result in land disposals or transportation corridors,

BE IT FURTHER RESOLVED that the Department of Natural Resources keep the Village Council of Minto apprised of its decisions and activities concerning these state lands.

April 13, 1983

Date

Carl Frank - Pres

Beckmann Silas

Roy M. Christie

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Title: Tanana-Yukon State Land  
Classification Proposal  
Seth-de-ya-ah Corporation

Resolution No. 82- 3

WHEREAS: AS 38.04.005, AS 38.04.020, AS 38.04.065 and 11 AAC 55.270(a) give authority for the public to make classification requests to the Department of Natural Resources for state lands; and

WHEREAS: The Seth-de-ya-ah Corporation is an official voice for its constituents; and

WHEREAS: The people of Seth-de-ya-ah Corporation have close ties to the land involved in this request; and

WHEREAS: This classification proposal does not include any village or regional corporation land or selections,

NOW THEREFORE BE IT RESOLVED that the Seth-de-ya-ah Corporation formally requests the state to classify State land according to the enclosed map,

BE IT FURTHER RESOLVED that the Department of Natural Resources note the two (2) areas designated for exclusion of disposals and that the Department hold well-publicized hearings in affected communities prior to potential classifications which result in land disposals or transportation corridors,

BE IT FURTHER RESOLVED that the Department of Natural Resources keep the Seth-de-ya-ah Corporation apprised of its decisions and activities concerning these state lands.

November 12, 1982

Date

Richard Frank

Paul Frank

Terri B. Chard

Betty Engler

[Signature]

Christine Sitar

Robert M. Charles

Paul G. Chaves

[Signature]

Title: Tanana-Yukon State Land  
Classification Proposal  
Baan o yeel kon Corporation

Resolution No. 83-01

WHEREAS: AS 38.04.005, AS 38.04.020, AS 38.04.065 and 11 AAC 55.270 (a) give authority for the public to make classification requests to the Department of Natural Resources for state lands; and

WHEREAS: The Baan o yeel kon Corporation is an official vote for its ANSCA constituents; and


WHEREAS: The people of Baan o yeel kon Corporation have close ties to the land involved in this request; and

WHEREAS: This classification proposal does not include any village or regional corporation land or selections,

NOW THEREFORE BE IT RESOLVED that the Baan o yeel kon Corporation formally requests the state to classify State land according to the enclosed map,

BE IT FURTHER RESOLVED that the Department of Natural Resources note the two (2) areas designated for exclusion of disposals and that the Department hold well-publicized hearings in affected communities prior to potential classifications which result in land disposals or transportation corridors, and that the Department of Natural Resources incorporate those findings into any decision the State has on State disposals,

BE IT FURTHER RESOLVED that the Department of Natural Resources keep the Baan o yeel kon Corporation and Rampart Village Council apprised of its decisions and activities concerning these state lands, and that the President of Baan o yeel kon Corporation be authorized to do all things necessary to effectuate the intent of this resolution.

  
\_\_\_\_\_  
Mary Jane Fate, President

Date \_\_\_\_\_



Title: Tanana-Yukon State Land  
Classification Proposal  
Village Council of Manley

Resolution No. 82- 85

WHEREAS: AS 38.04.005, AS 38.04.020, AS 38.04.065 and 11 AAC 55.270(a) give authority for the public to make classification requests to the Department of Natural Resources for state lands; and

WHEREAS: The Village Council of Manley is an official voice for its constituents; and

WHEREAS: The people of the Village Council of Manley have close ties to the land involved in this request; and

WHEREAS: This classification proposal does not include any village or regional corporation land or selections,

NOW THEREFORE BE IT RESOLVED that the Village Council of Manley formally requests the state to classify State land according to the enclosed map,

BE IT FURTHER RESOLVED that the Department of Natural Resources note the two (2) areas designated for exclusion of disposals and that the Department hold well-publicized hearings in affected communities prior to potential classifications which result in land disposals or transportation corridors,

BE IT FURTHER RESOLVED that the Department of Natural Resources keep the Village Council of Manley apprised of its decisions and activities concerning these state lands.

Aug 5, 1982

Date

Richard M. Coiro

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James H. Coiro

President

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MANLEY HOT SPRINGS COMMUNITY ASSOCIATION  
MANLEY HOT SPRINGS, ALASKA 99756

Title: HATLINANA-YUKON STATE LAND  
CLASSIFICATION PROPOSAL  
COMMUNITY ASSOCIATION OF MANLEY HOT SPRINGS

Resolution 82-10

- WHEREAS: AS 38.04.005, AS 38.04.020, AS 38.04.065 and 11 AAC 55.270(a) give authority for the public to make classification requests to the Department of Natural Resources for State lands; and
- WHEREAS: The Community Association of Manley Hot Springs is an official voice for its constituents; and
- WHEREAS: The people of the Community Association of Manley Hot Springs have close ties to the land involved in this request; and
- WHEREAS: This classification proposal does not include any village or regional corporation land or selections,

NOW THEREFORE BE IT RESOLVED that the Manley Hot Springs Community Association formally requests the state to classify State land according to the enclosed map; PROVIDED that the land surrounding the Hatlinana River be returned to classification as STATE FOREST to be managed by the Division of Forestry, Department of Natural Resources; and not eligible for the state land disposal program,

BE IT FURTHER RESOLVED that the Department of Natural Resources note the two(2) areas designated for exclusion of disposals and the Hatlinana River area as noted above, and the Department of Natural Resources hold well-publicized hearings in affected communities prior to potential classifications which result in land disposals or transportation corridors,

BE IT FURTHER RESOLVED that the Department of Natural Resources keep the Manley Hot Springs Community Association advised of its land disposal activities concerning these State lands.

Done at Manley, Alaska, this 10th day of May, 1982

John W. Bennett, President

John W. Bennett, Secretary

John W. Bennett, V.P.

~~John W. Bennett, Secretary~~

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## TANANA VALLEY STATE FOREST PROPOSAL

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## TIMBER DEMAND PROJECTIONS

The basic assumption was made that the present consumption rate of 400 board feet per person will remain fairly static through the year 2000 (lumber and houselogs). An additional 5.7 million board feet per year is shipped to the Lower Yukon River and North Slope through the Tanana Basin which could be cut locally. For fuelwood a demand of eight cords per household using wood as the sole heat source was used with the percentage of households varying within seventeen geographical sections of the Basin from 10% to 90%. Thus, the demand for some 48 million board feet of softwoods and 62,000 cords of fuelwood were derived.

	Sawtimber	Fuelwood
Present	24MMBF	37,000 Cords
1990	39MMBF	50,000 Cords
2000	48MMBF	62,000 Cords

## EXISTING SAWTIMBER PRODUCTION CAPACITY

Roughtop Mining, Manley	100MBF
Fourstar Lumber, Fairbanks	2,500MBF
Rustic Alaska Homes, Fairbanks	300MBF
Northland Wood Products, Fairbanks	5,000MBF
Olson Lumber & Logs, N. Pole	500MBF
North Pole Wood Products, Salcha	500MBF
Native Timber Works, Fairbanks	100MBF
Log Weavers, Fairbanks	100MBF
Larry Dohrhorst, Delta	100MBF
Dean Cummings, Delta	350MBF
Dry Creek, Delta	250MBF
Anchor Forest Products, Delta	250MBF
McCracken Lumber, Delta	200MBF
Pine's Sawmill, Tok	350MBF
	10,600MBF

TIMBER SUPPLY

TIMBER DISPOSALS FROM STATE LAND  
1981

commercial sawtimber	16 sales	4,250MBF	\$167,911.41
commercial fuelwood	18 sales	1,789Cords	66,474.25
personal use houselogs	35 sales	273MBF	17,090.00
personal use fuelwood	2,861 permits	<u>25,557Cords</u>	<u>15,346.50</u>
		18,196MBF	\$266,822.16

1982

commercial sawtimber	26 sales	7,854MBF	\$219,284.34
commercial fuelwood	20 sales	9,074Cords	92,943.12
personal use houselogs	27 sales	242MBF	14,142.50
personal use fuelwood	2,356 permits	<u>23,239Cords</u>	<u>14,497.95</u>
		24,257MBF	\$340,827.91

TIMBER UNDER CONTRACT AS OF 5/18/83

commercial sawtimber	22 sales	18,597MBF	\$714,423.89
commercial fuelwood	37 sales	16,691Cords	174,429.92
personal use houselogs	27 sales	297MBF	18,562.50
personal use fuelwood	1,790 permits	<u>17,678Cords</u>	<u>12,380.90</u>
		36,078MBF	\$919,797.21

## ANNUAL ALLOWABLE CUT

Annual Allowable Cut can be most easily defined as the volume of forest products that can be cut during a calendar or fiscal year over a long period of time without depleting the forest base. In a managed forest the harvest level would approximate the annual growth. In unmanaged stands where overmature trees are the rule, most methods of allowable cut calculation include an accelerated harvest of the over-mature trees since they lose volume faster than they gain it.

A great deal of effort was made to accurately determine the annual allowable cut for forest classified lands within sixty miles of Fairbanks. The cut was calculated for white spruce and hardwoods separately. The annual allowable cut for the Tanana Valley State Forest was premised on the fact that species, size, and growth rates of the commercial forest within the highly selective forest boundary are similar to those conditions found around Fairbanks. The general rule we operate under as professional foresters is that it is much better to be conservative until you have firm information than to risk overharvesting. These factors lead to projected annual allowable cut figures of 15.75 million board feet of softwoods and 114,000 cords of hardwoods. This is equivalent to 72.75 million board feet of lumber annually if all the volume was sawn.

### Current Allowable Cut-Fairbanks Area

4.1MMBF	31,000 Cords
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### Tanana Forest Annual Cut Estimates

Kantisima Block	1.723MMBF	12,500 Cords
Goldstream & Chena	4.372	31,800
Salcha Block	4.900	35,100
Delta	2.310	16,800
Tok Block	2.450	17,820
	<u>15.755MMBF</u>	<u>114,020 Cords</u>

## ECONOMIC EFFECTS

### Retail Value of Lumber Produced in 1982 From State Land

sawtimber	\$1,750,000.00
firewood	3,463,100.00
houselogs	<u>211,750.00</u>
	\$5,424,850.00

### Benefits, Income Effects, and Jobs

	Net Benefits	Income Effects	Jobs
Present	\$1.83 Million	\$3.9 Million	115
2000*	\$7.42 Million	\$5.66 Million	235

\*Assumes harvest 15.75MMBF and 62,000 cords from State forest, hardwood industry development not assumed.

EFFECTS OF TANANA FOREST ON OTHER LAND USES

TANANA RIVER BASIN SETTLEMENT ELEMENT SUMMARY  
[STATE FOREST EXCLUDED]

Cumulative Acres By Disposal Category (see next page for definitions)

	<u>Community Expansion/ Residential</u>	<u>Recreational</u>	<u>Remote</u>	<u>TOTAL</u>	
Demand {	1983 (61,325 residents)	21,852	20,942	36,440	79,234
	1990 (84,913 residents)	44,416	33,351	66,560	144,327
	2000 (105,304 residents)	62,953	43,547	91,280	197,779
Supply }	Suitable State Land	276,600	136,300	2,427,000	520,300
	2000 - Remaining Available	213,600	92,700	2,335,700	2,312,521

GREATER FAIRBANKS AREA LAND SUMMARY

<u>OWNERSHIP</u>	<u>ACRES</u>	<u>(BOROUGHWIDE ESTIMATE)</u>
Borough Land	40,000	( 117,000)
State Disposals (Past)	40,000	( 190,000)
(Proposed)	23,000	( 153,000)
University	19,400	( 70,500)
Existing Private	426,000	(1,245,500)
Federal	Not available	(1,410,000)
Other State	Not available	(1,777,000)

Source: Draft Tanana Basin Area Plan as updated through 5/5/83  
 Boroughwide estimates from Borough Planning Department 5/5/83 and  
 Settlement Element Maps

## DEFINITIONS

### Community Expansion/Residential Lands -

Land suitable for development within 40 miles of Fairbanks or 25 miles of other communities and within 2 miles of a road.

### Recreational Land -

Land suitable for development within 2 miles of a road but further than limits for residential and those lands within  $\frac{1}{2}$  mile of water access or an airstrip.

### Remote Land -

Lands suitable for development but with access outside previously referenced parameters.

Suitability is a function of existing vegetation, terrain and soils properties. Suitable lands generally have hardwood or mixed stands on much of the area and have soils capable of supporting on-site waste water disposal systems.

LAND STATUS WITHIN 18 MILES OF TANANA VALLEY COMMUNITIES

Manley Hot Springs, population 82

Most land within 10 miles is Native.

Forest	9.5%
Disposals	10.0%
Proposed Disposals	4.9%
Other State	34.0%
Native	41.0%

Nenana, population 470

Native lands consist of 30 miles of Park Highway frontage, disposals have 10 miles, and the forest has 6 miles frontage.

Forest	13%
Disposals	15%
Proposed Disposals	24%
Other State	34%
Native	27%

Fairbanks, population 54,000

See separate sheet on Borough land.

North Pole, population

Most land is private or military. The closest forest land is on Chena Hot Springs Road.

Forest	7.0%
Disposals	7.0%
Other State	.9%
Borough	1.1%
Military	56.0%
Private	28.0%

Delta, population 1,224

Most accessible land is private or military. Remaining State land is west of the Delta River, north of the Tanana, and in Shaw Creek Flats.

Forest	11%
Disposals	5%
Proposed Disposals	6%
Other State	18%
Military	50%
Private	10%

Tok, population 585

Most accessible land is State or Native. The forest takes up to 15 of the 70 miles of highway frontage within 18 miles of Tok.

Forest	10%
Disposals	1%
Proposed Disposals	7%
Other State	7%
Native	75%

MILES OF ROAD FRONTAGE OWNERSHIP ON TANANA BASIN HIGHWAYS  
road frontage island bordering one side of the road.

	FOREST	DISPOSALS	OTHER STATE	STATE SELECTED	BOROUGH	NATIVE	PRIVATE	FEDERAL AND MILITARY	TOTAL
ELLIOT HWY.		12.6	17.7	126.8	3.4	70.0	30.5	12.8	273.8
CHENA HOT SPRINGS ROAD STEESE TO REC. AREA		2.0	12.0				36.0		50.0
PARKS HWY. to Fairbanks	35.6	8.0	18.8		4.5	11.2	17.0		95.1
RICHARDSON HWY. Fairbanks to Delta Junction	32.0	2.0	36.0		34.0		68.0	28.0	200.0
ALCAN HWY. Tetlin to Delta	13.6		92.3			70.0	34.9		210.8
GLEN HWY. Tok to Mentasta	24.0		9.6			36.0	9.6		79.2
TAYLOR HWY. Tetlin to Tanana Watershed	3.0		3.0	0.8		4.4			11.2
TOTAL	108.2	24.6	189.4	127.6	41.9	191.6	196.0	40.8	920.1

