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From: Miranda Terwilliger, UAF graduate student (AKCFWRU)

Date: August 12, 2003

Re: Geographical definition of sheep & goat aerial survey units, both **past** and **present**, within Wrangell – St. Elias NP/P and ADF&G GMU's 11 & 12 that fall within it's boundaries and that are used in the compilation database (Access97) of all surveys known to date (1949 – 2003).

Here is a definitive guide to all of sheep & goat aerial count areas (CA) documented in the database. Count Areas with an asterix (*) indicate the areas that are currently accepted and surveyed.

CA01* – Mentasta Mtns. Bordered by the Nabesna River to the east (including Boyden Hills), the Nabesna Road and Jack Creek to the south, Suslota Pass and Creek to the west, and Buck Creek (as if it kept running straight to the Nabesna River) to the north.

CA01S - Nabesna Road – WRST Boundary. Bordered by the Nabesna River to the east (including Boyden Hills), the Nabesna Road and Jack Creek to the south, Suslota Pass and Creek to the west, and the WRST boundary to the north. **Note:** This area was created by Jenkins of WRST for alternate study.

CA02* - Mt. Sanford. Border by the Copper Glacier to the east, Sanford River and Glacier to the south, the flats to the west and north.

CA03* - Jacksina. Bordered by the Nabesna Glacier and River to the east, the Nabesna Glacier to the south, the Copper Glacier and River to the west, and the Nabesna Road and Jack Creek to the north.

CA03M - Lakes Plateau & Cone Ridge. Just Lakes Plateau and Cone Ridge within CA03. **Note:** This area was created by Jenkins of WRST for alternate study.

CA04W* - Nikonda Creek. Bordered by the Cross Creek drainage to the east, the Nabesna Glacier to the south and west, and Cooper Pass and Creek to the north. **Note:** This was CA04 for ADF&G until 1981 when David Kelleyhouse combined it with what is now CA04E.

CA04E* – Cross Creek. Bordered by the Chisisana Glacier and River to the east, the Nabesna Glacier to the south and west, and Cooper Pass and Creek to the north. **Note:** This area was considered part of CA06 prior to 1981 however, it was never surveyed before 2001.

CA05W* – Stone Creek. Bordered by Star Creek and Stuver Creek drainages to the east, Copper Creek and Pass to the south, the Nabesna River to the west, and the flats to the north.

CA05E* - East Mt. Allen. Bordered by the Chisiana River to the east, the flats to the north, the Star Creek and Stuver Creek drainages to the west, and Copper Pass and Creek to the north.
Note: This area was numbered as CA06 prior to 2003.

CA05S - Copper Creek - Stone Creek. Bordered by Star Creek to the east, Stone Creek to the north, the Nabesna River to the west, and Copper Creek and Pass to the south. *Note: This area was created by Jenkins of WRST for alternate study.*

CA05,06 - Mt. Allen. Bordered by the Chisiana River to the east, Notch Creek, Copper Pass, and Copper Creek to the south, the Nabesna River to the west, and the flats to the north. *Note: This CA was formed in 1981 by David Kelleyhouse by merging CA05 and CA06. Kelleyhouse called it CA06.*

CA07W* - Chisiana. Bordered by Carl and Snag Creeks to the east, Beaver Creek to the south, the Chisiana River to the west, and the flats to the north.

CA07E* - Klein Creek. Bordered by Canada to the east, Beaver Creek and Horsefeld to the south, Carl and Snag Creeks to the west, and the flats to the north. *Note: This area was numbered as CA08 prior to 2003.*

CA07NE - Two by Four Creek. Bordered by Snag Creek to the east, Two by Four Creek to the south, Chisiana River to the west, and the flats to the north. *Note: This area was created by Jenkins of WRST for alternate study.*

CA08S - Carl Creek - Klein Creek. Small area between Carl Creek and Klein Creek to the south of CA08. *Note: This area was created by Jenkins of WRST for alternate study.*

CA09* - Ptarmigan Lake. Bordered by Canada to the east, the White River flats to the south, Solo Flats to the west, and Horsefeld and Beaver Creek to the north.

CA09NE - Wiki Peak. Just the area around Wiki Peak.

CA09NW – Fogenbera Pass. Area around Foggenbera Pass and Ophir Creek. *Note: This area was created by Jenkins of WRST for alternate study.*

CA10* - Mt. Drum. Bordered by the Nabesna Glacier to the East, the Dadina Glacier and River to the south, the flats to the west, and the Sandford Glacier to the north.

CA11* - Chetaslina. Bordered by Long Glacier to the east, the flats to the south, Dadina Glacier to the west, and the Nabesna Glacier to the north.

CA11&12 - Long Glacier. Bordered by the Kluvesna Glacier to the east, the flats to the south, the Cheshnina River to the west, and the Nabesna Glacier to the north. *Note: This area was created by Jenkins of WRST for alternate study.*

CA12* - Kluvesna Glacier. Bordered by the left branch of the Kuskulana glacier to the east, the Strelna Creek road to the south, Long Glacier to the west, and the Nabesna Glacier to the north.

CA12E- Kotsina. Bordered by the left branch of the Kuskulana glacier to the east, the Strelna Creek road to the south, the Kuskulana Glacier to the west, and the Nabesna Glacier to the north.

CA13* – Kuskulana Pass. Bordered by the Lakina Glacier to the east, the Gilahina River to the south, the left fork of the Kuskulana Glacier to the west, and the Nabesna Glacier to the north.

CA13S - Chokosana. Bordered by the Lakina Glacier to the east, the Gilahina river to the south, the Chokosana River to the west, and the Chokosana River and flats to the north. **Note:** This area was created by Jenkins of WRST for alternate study.

CA14* - Crystalline Hills. Nothing but the entirety of the Crystalline Hills bordered by the McCarthy Road to the south and the Gilahina River to the north.

CA15* - Fireweed Mtn. Bordered by the Root Glacier to the east, the Mill Creek and flats to the south, the Lakina Glacier to the west, and the Nabesna Glacier to the north (including Mountaineers Pass).

CA16* – Bonanza Ridge. Bordered by the Nizina River and Glacier to the east, May Creek to the south, the Root Glacier to the west, and the Rohn Glacier to the north.

CA16E - Nizina. Bordered by the Nizina River and Glacier to the east, May Creek to the south, the McCarthy Creek to the west, and the Rohn Glacier to the north. **Note:** This area was created by Jenkins of WRST for alternate study.

CA17* – Chitistone. Bordered by the Chitistone River and the Goat trail to the east, the Chitistone river to the south, the Nizina Glacier to the west, and Skolai Creek to the north.

CA18* - Frederika Mtn. Bordered by Skolai Pass, the Russell Glacier, and Solo Flats to the east, Skolai Creek to the north, the Nabesna Glacier to the west, and the Chisiana Glacier and Solo Flats to the north.

CA18N – Bow Pass. Bordered by the Solo Flats to the east, Bow Creek to the south, the Chisiana Glacier to the west, and to the north. **Note:** In 1981 Dave Kelleyhouse called this CA05.

CA19* - Mt. Sulzer. Bordered by Canada to the east, the Klutan Glacier and Mount Churchill to the south, the Russell Glacier to the west, and the White River flats to the north.

CA20* – Chititu. Bordered by the Canyon Creek Glacier to the east, Young Creek to the south, the Nizina River to the west, the Chitistone River, Glacier Creek, and the Twaharpies Glacier to the north.

CA20M - Andrus Peak - Park Boundary. Unclear exactly where this was...but somewhere in the middle of CA20. **Note:** This area was created by Jenkins of WRST for alternate study.

CA21* - MacColl Ridge. Nothing but the entirety of MacColl Ridge, bordered by Canyon Creek to the east, the Chitina River to the south, the flats to the west, and Young Creek and Big Bend Lakes to the north.

CA22* –Hawkins Glacier. Bordered by Barnard Glacier to the east, the Chitina River to the south, Canyon Creek Glacier and the Twaharpies Range to the west, and Mount Churchill to the north.

CA23 – Chitina. Bordered by Anderson Glacier to the east, the Chitina Glacier to the south, Barnard Glacier to the west, and Klutlan Glacier to the north.

CA23W* - Chitina, Preserve. Bordered by the WRST Park boundary to the east, the Chitina Glacier to the south, Barnard Glacier to the west, and Klutlan Glacier to the north.

CA23E* - Chitina, Park. Bordered by Anderson Glacier to the east, the Chitina Glacier to the south, the WRST Preserve boundary to the west, and Klutlan Glacier to the north.

CA24* – University Range. Bordered by the Twaharpies and the Russell Glacier to the east, the Twaharpies Glacier and Glacier creek to the south, the Chitistone River and the Goat Trail to the west, and Skolai Pass to the north.

CA25* - Spirit Mtn. Bordered by Tebay and Little Bremner Rivers to the east, the Bremner River to the south, the Copper River to the west, and the Chitina River to the north.

CA26* - Hanagita Peak. Bordered by Ptarmigan and Monahan Creeks to the east, the North Fork of the Bremner River to the south, Tebay and Little Bremner Rivers to the west, and the Hanagita River to the north.

CA27* - Nelson Mtn. Bordered by Chakina River to the east, the Hanagita River to the south, Tebay River to the west, and the Chitina River to the north.

CA27S- Hanagita Creek - Skull Creek. **Note:** This area was created by Jenkins of WRST for alternate study.

CA28* – Goodlata Peak. Bordered by the Tana River to the east, the North Fork Lobe of the Bremner Glacier to the south, the Ptarmigan and Monahan Creeks to the west, and the flats to the north.

CA29* - Granite Creek. Bordered by the East Fork of the Kiagna River to the east, the Jefferies Glacier to the south, the Tana River and Glacier to the west, and the the flats to the north.

CA30* - Goat Creek. Bordered by Bud Peak and glaciers to the east, the Jefferies Glacier to the south, the East Fork of the Kiagna River to the west, and the Chitina River to the north.

CA31* - Baldwin Glacier. Bordered by Canada to the east, the Jefferies Glacier to the south, Bud Peak and glaciers to the west, and the Logan Glacier to the north.

CA29,30,31 – Granite Range. Includes CA29, CA30, & CA31. Bordered by Canada to the east, the Jefferies Glacier to the south, the Tana River to the west, and the Chitina River and Logan Glacier to the north.

CA32* – Mt. George. Bordered by Canada to the east, the Logan Glacier to the south, and the Chitina Glacier to the west, and the Anderson Glacier to the north.

The Following are not defined as it is unclear, beyond the general description where they were flown:

- CA(A) - Nadina River to Canadian Border**
- CA(B) - McCarthy to Canadian Border**
- CA(C) - Nadina River to Kennicott Glacier**
- CA(D) - Nabesna Glacier, Chisana, Ptarmigan Lake**
- CA(E) – Wrangell**
- CA(F) – Nuzotins (probably CA05, CA06, CA07, CA08)**