4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours. The coordination contours include all the area within this route as well as all of the area seaward of this route within 200 km of the baseline of the United States or 200 km from any fixed service offshore installations.

February 09, 2011

FILE COPY

Re: Vizada Satellite Inc -ESV In-Motion
ALASKA COAST ESV ROUTE
C-Band Transmit Only Earth Station
Job Number: 110209SKJTEL01
Modification of PCN 042308SKJTEL01

Dear Frequency Coordinator:

This notice is being provided in accordance with Section 25.203(c) of the FCC Rules and Regulations. We are forwarding the attached revised coordination data on behalf of Vizada Satellite Inc -ESV In-Motion, 2600 Tower Oaks Boulevard Rockville, MD 20852 for a C-Band Transmit Only Earth Station on Vessel (ESV) to be located on the Alaska Coast

The coordination notice is being circulated to the owners (or their protection agents) of all existing or proposed terrestrial facilities operating in a shared frequency band within the coordination contours of the proposed station(s).

The modification consists of a change in transmitting frequencies. Please modify to the previous coordination information to that shown in the attached data sheets.

We respectfully request that you examine this data for its interference potential with your system(s). In the event that your analysis identifies potential interference cases that have not been resolved, please contact us by March 14, 2011.

If there are any questions concerning this coordination notice, please contact Skjei Telecom.

Sincerely,

Skjei Telecom, Inc.

Ken Ryan
ken@skjeitelecom.com

Enclosure(s)

Date:	02/09/2011
Job Number:	110209SKJTEL01 (revisions to 061220SKJTEL08 & 042308SKJTEL01)

Administrative Information	
Status	ENGINEER PROPOSAL
Call Sign	
Licensee Code	TELESV
Licensee Name	Vizada Satellite Inc -ESV In-Motion

Site Information	**Alaska Coastline (BP1)**
Venue Name	
Latitude (NAD 83)	54° 44' 18.3" N
Longitude (NAD 83)	133° 11' 19.3" W
Climate Zone	B
Rain Zone	3
Ground Elevation (AMSL)	0.0 m / 0.0 ft

Link Information	
Satellite Type	Geostationary
Mode	TO - Transmit-Only
Modulation	Digital
Satellite Arc	177° W to 177° West Longitude
Azimuth Range	229.6° to 229.6°
Corresponding Elevation Angles	16.3° / 16.3°
Antenna Centerline (AGL)	24.38 m / 80.0 ft

Antenna Information		**Transmit - FCC32**
Manufacturer		FCC REFERENCE
Model		32-25LOG(THETA)
Gain / Diameter		41.7 dBi / 2.4 m
3-dB / 15-dB Beamwidth		1.32° / 2.80°
Max Available RF Power	(dBW/4 kHz)	-10.5
	(dBW/MHz)	13.5
Maximum EIRP	(dBW/4 kHz)	31.2
	(dBW/MHz)	55.2
	(dBW)	
Interference Objectives:	Long Term	-154.0 dBW/4 kHz 20%
	Short Term	-131.0 dBW/4 kHz 0.0025%

Frequency Information	**Transmit 6.1 GHz**
Emission / Frequency Range (MHz)	102KG7D - 205KG7D /6277 - 6283 102KG7D - 205KG7D /6295.5-6298 102KG7D - 205KG7D /6344 - 6350 102KG7D - 205KG7D /6355 - 6371.5 102KG7D - 205KG7D /6418 - 6421 102KG7D - 205KG7D /6421 - 6423
Max Great Circle Coordination Distance	224.1 km / 139.2 mi
Precipitation Scatter Contour Radius	100.0 km / 62.1 mi

Coordination Values	**BREAK PT. 1, AK**
Licensee Name	Vizada Satellite Inc -ESV In-Motion
Latitude (NAD 83)	54° 44' 18.3" N
Longitude (NAD 83)	133° 11' 19.3" W
Ground Elevation (AMSL)	0.0 m / 0.0 ft
Antenna Centerline (AGL)	24.38 m / 80.0 ft
Antenna Model	FCC Reference 32-25LOG(THETA)
Antenna Mode	Transmit 6.1 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	-10.5 (dBW/4 kHz)

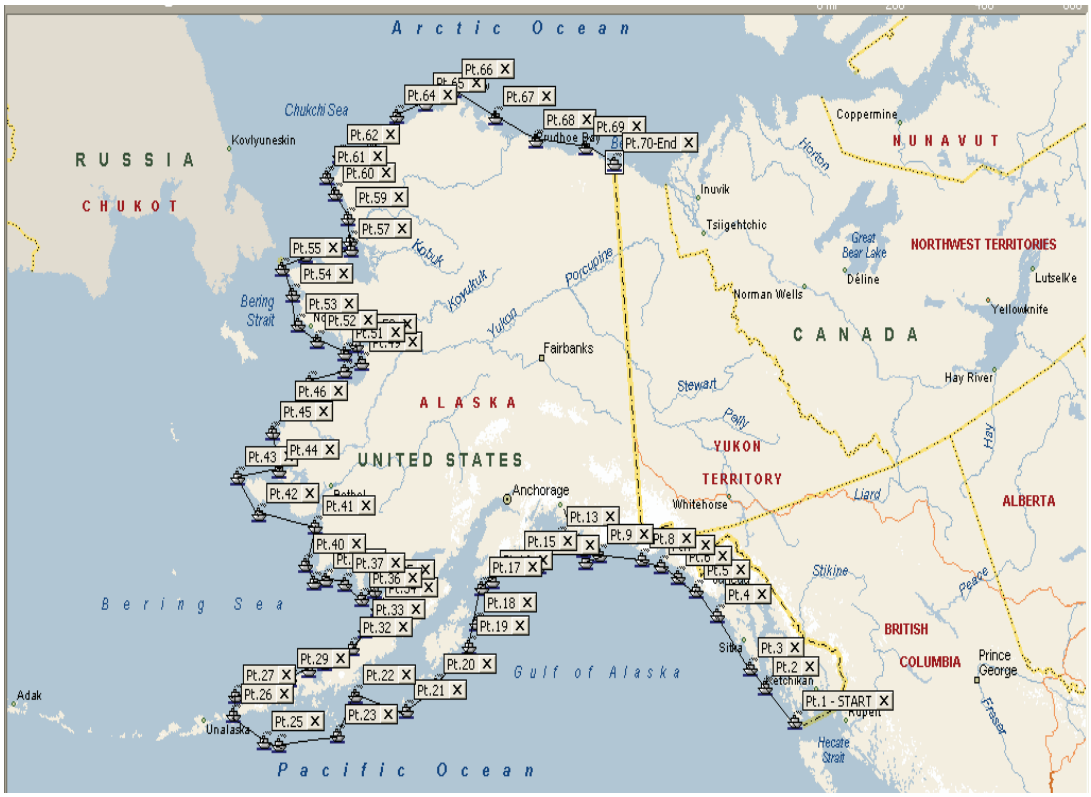
			Transmit 6.1 GHz	
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	128.48	-10.00	160.62
5	0.00	133.12	-10.00	160.62
10	0.00	137.71	-10.00	160.62
15	0.00	142.20	-10.00	160.62
20	0.00	146.58	-10.00	160.62
25	0.00	150.79	-10.00	160.62
30	0.00	154.74	-10.00	160.62
35	0.00	158.27	-10.00	160.62
40	0.00	161.18	-10.00	160.62
45	0.00	163.11	-10.00	160.62
50	0.00	163.72	-10.00	160.62
55	0.00	162.88	-10.00	160.62
60	0.00	160.76	-10.00	160.62
65	0.00	157.74	-10.00	160.62
70	0.00	154.12	-10.00	160.62
75	0.00	150.12	-10.00	160.62
80	0.00	145.89	-10.00	160.62
85	0.00	141.48	-10.00	160.62
90	0.00	136.97	-10.00	160.62
95	0.00	132.37	-10.00	160.62
100	0.00	127.72	-10.00	160.62
105	0.00	123.03	-10.00	160.62
110	0.00	118.30	-10.00	160.62
115	0.00	113.55	-10.00	160.62
120	0.00	108.78	-10.00	160.62
125	0.00	104.00	-10.00	160.62
130	0.00	99.21	-10.00	160.62
135	0.00	94.41	-10.00	160.62
140	0.00	89.61	-10.00	160.62
145	0.00	84.81	-10.00	160.62
150	0.00	80.02	-10.00	160.62
155	0.00	75.23	-10.00	160.62
160	0.00	70.45	-10.00	160.62
165	0.00	65.68	-10.00	160.62
170	0.00	60.93	-10.00	160.62
175	0.00	56.21	-10.00	160.62
180	0.00	51.52	-10.00	160.62
185	0.00	46.88	-9.77	161.64

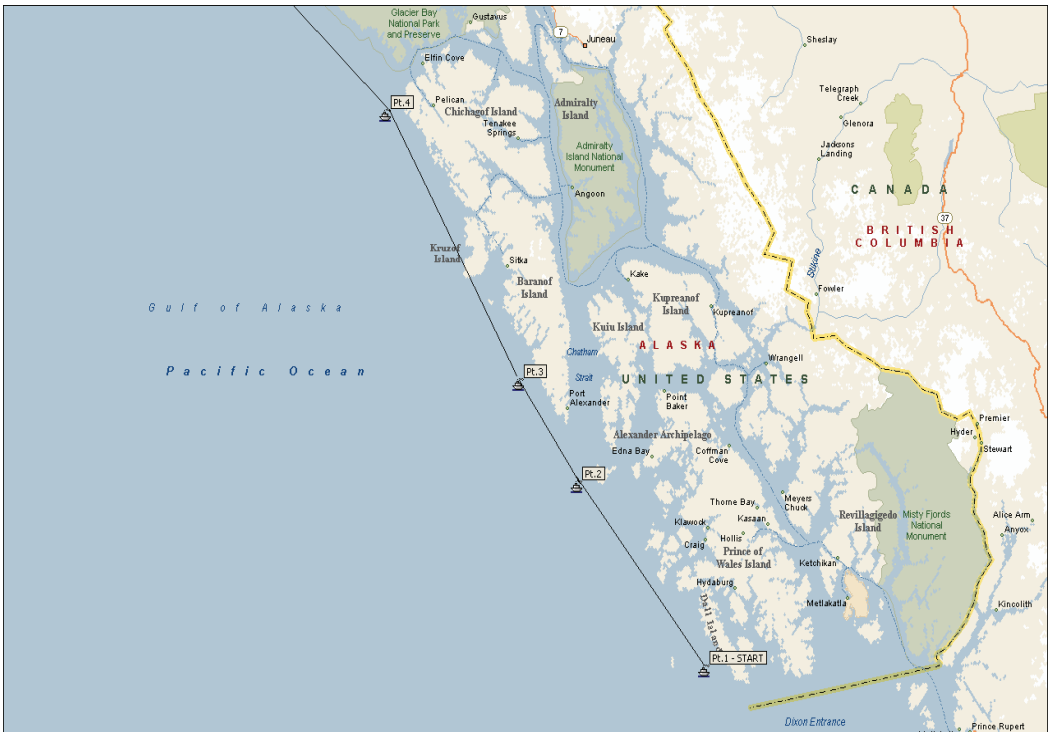
Coordination Values	**BREAK PT. 1, AK**
Licensee Name	Vizada Satellite Inc -ESV In-Motion
Latitude (NAD 83)	54° 44' 18.3" N
Longitude (NAD 83)	133° 11' 19.3" W
Ground Elevation (AMSL)	0.0 m / 0.0 ft
Antenna Centerline (AGL)	24.38 m / 80.0 ft
Antenna Model	FCC Reference 32-25LOG(THETA)
Antenna Mode	Transmit 6.1 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	-10.5 (dBW/4 kHz)

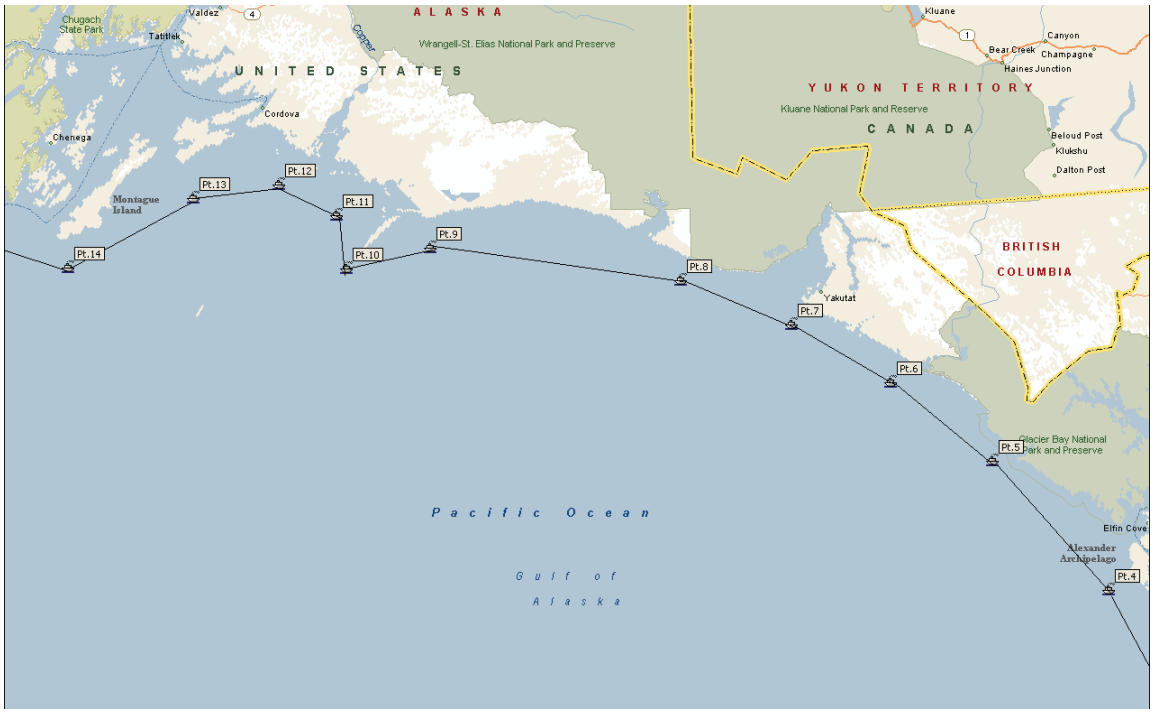
			Transmit 6.1 GHz	
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	42.29	-8.66	166.78
195	0.00	37.80	-7.44	172.63
200	0.00	33.42	-6.10	179.30
205	0.00	29.21	-4.64	186.93
210	0.00	25.27	-3.06	195.53
215	0.00	21.73	-1.42	205.23
220	0.00	18.83	0.13	214.42
225	0.00	16.89	1.31	221.57
230	0.00	16.28	1.71	224.06
235	0.00	17.12	1.16	220.66
240	0.00	19.24	-0.10	213.01
245	0.00	22.26	-1.69	203.70
250	0.00	25.88	-3.32	194.07
255	0.00	29.88	-4.88	185.62
260	0.00	34.11	-6.32	178.16
265	0.00	38.52	-7.64	171.63
270	0.00	43.03	-8.84	165.90
275	0.00	47.63	-9.95	160.86
280	0.00	52.28	-10.00	160.62
285	0.00	56.97	-10.00	160.62
290	0.00	61.70	-10.00	160.62
295	0.00	66.45	-10.00	160.62
300	0.00	71.22	-10.00	160.62
305	0.00	76.00	-10.00	160.62
310	0.00	80.79	-10.00	160.62
315	0.00	85.59	-10.00	160.62
320	0.00	90.39	-10.00	160.62
325	0.00	95.19	-10.00	160.62
330	0.00	99.98	-10.00	160.62
335	0.00	104.77	-10.00	160.62
340	0.00	109.55	-10.00	160.62
345	0.00	114.32	-10.00	160.62
350	0.00	119.07	-10.00	160.62
355	0.00	123.79	-10.00	160.62

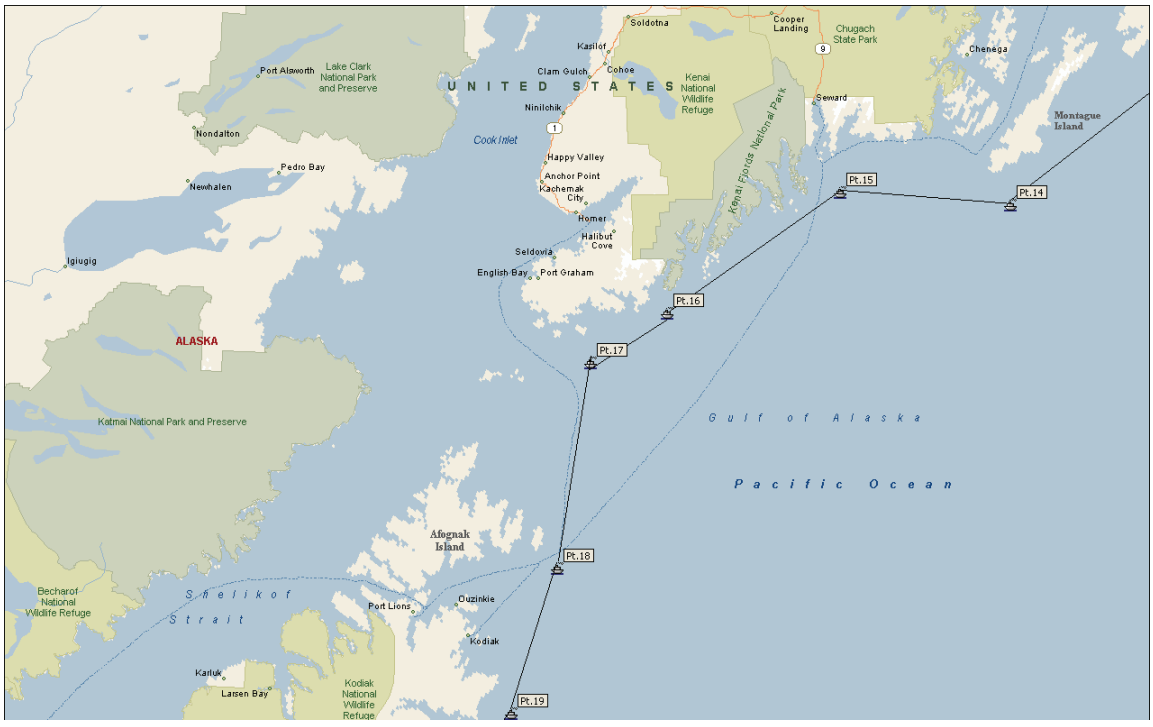
Name	Latitude	Longitude		Name	Latitude	Longitude
Pt.1 - START	54.73843	-133.18869		Pt.36	58.21385	-158.82296
Pt.2	55.802	-134.54324		Pt.37	58.49003	-159.99877
Pt.3	56.37691	-135.24379		Pt.38	58.47093	-161.21895
Pt.4	57.89577	-136.80482		Pt.39	58.30819	-161.85852
Pt.5	58.6153	-137.91539		Pt.40	58.6777	-162.59067
Pt.6	59.05487	-138.95195		Pt.41	59.6934	-162.43475
Pt.7	59.40174	-139.98157		Pt.42	59.53143	-166.13908
Pt.8	59.64311	-141.15229		Pt.43	60.20007	-167.96884
Pt.9	59.82988	-143.87517		Pt.44	60.78033	-165.474
Pt.10	59.7026	-144.78558		Pt.45	61.64716	-166.46119
Pt.11	59.99996	-144.92626		Pt.46	62.28439	-165.78682
Pt.12	60.15314	-145.56172		Pt.47	63.21689	-164.66051
Pt.13	60.3393	-146.47689		Pt.48	63.77664	-162.37085
Pt.14	59.61484	-147.81895		Pt.49	64.08124	-161.26505
Pt.15	59.70454	-149.25219		Pt.50	64.50495	-161.82891
Pt.16	59.19072	-150.76109		Pt.51	64.20583	-162.61855
Pt.17	58.96476	-151.42968		Pt.52	64.27737	-164.84037
Pt.18	58.07981	-151.66234		Pt.53	64.48704	-166.45967
Pt.19	57.44659	-152.04485		Pt.54	65.14737	-167.41109
Pt.20	56.41009	-153.82981		Pt.55	65.68347	-168.77163
Pt.21	55.64218	-155.44643		Pt.56	66.2335	-167.21979
Pt.22	55.75325	-158.45022		Pt.57	66.79726	-163.68099
Pt.23	54.64761	-159.1901		Pt.58	67.00526	-163.94152
Pt.24	54.008379	-162.30099		Pt.59	67.53454	-164.47087
Pt.25	53.95857	-163.15512		Pt.60	68.02422	-166.02495
Pt.26	54.35991	-165.07057		Pt.61	68.33527	-167.10808
Pt.27	54.84936	-165.21537		Pt.62	68.9862	-166.45789
Pt.28	55.50678	-163.2643		Pt.63	69.29185	-164.05034
Pt.29	55.72235	-162.35206		Pt.64	70.44293	-162.0459
Pt.30	56.09823	-161.33983		Pt.65	70.95134	-159.52001
Pt.31	56.39962	-160.48892		Pt.66	71.44441	-156.90098
Pt.32	56.92706	-158.99121		Pt.67	70.898333	-152.299722
Pt.33	57.44148	-158.35942		Pt.68	70.416944	-148.348889
Pt.34	58.06094	-157.73083		Pt.69	70.210278	-143.599444
Pt.35	58.50789	-158.09977		Pt.70-End	69.667222	-140.901667

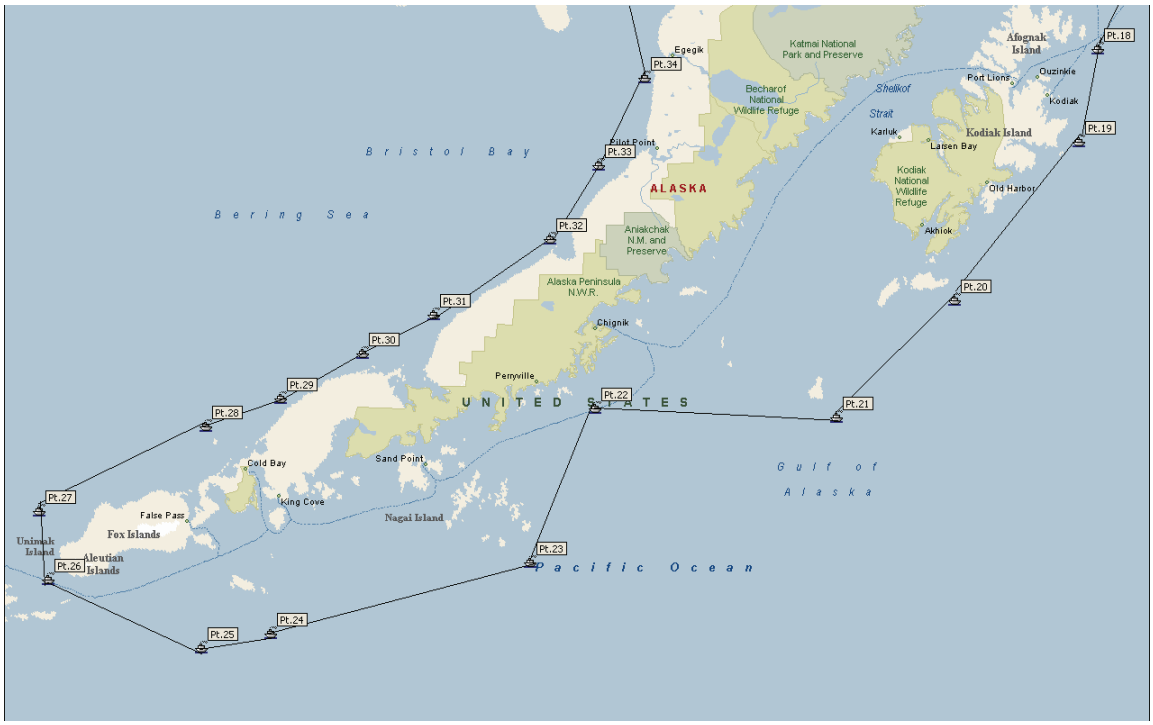
Alaska 5-Mile Coordinate Break Points

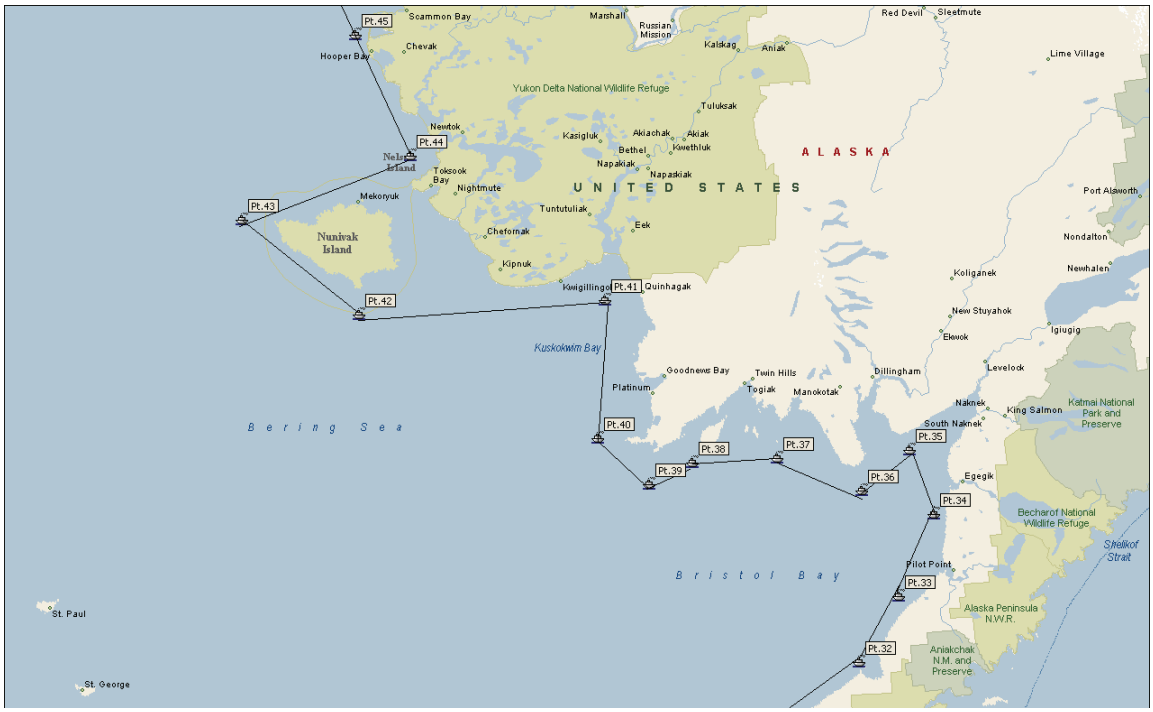

Arctic Ocean
Chukchi Sea
RUSSIA
CHUKOT
Kovlyuneskin
Pt.66
Pt.64
Pt.67
Pt.68
Pt.69
Pt.70-End
Pt.62
Pt.61
Pt.60
Pt.59
Pt.57
Pt.55
Pt.54
Pt.53
Pt.52
Pt.51
Pt.46
Pt.45
Pt.44
Pt.43
Pt.42
Pt.41
Pt.40
Pt.37
Pt.36
Pt.33
Pt.32
Pt.29
Pt.27
Pt.26
Pt.25
Pt.23
Pt.22
Pt.21
Pt.20
Pt.18
Pt.19
Pt.17
Pt.15
Pt.13
Pt.9
Pt.8
Pt.6
Pt.5
Pt.4
Pt.3
Pt.2
Pt.1 - START
Bering Strait
Kotzebue
Koyukuk
Porcupine
Yukon
Fairbanks
ALASKA
UNITED STATES
Anchorage
Bering Sea
Gulf of Alaska
Pacific Ocean
Unalaska
Adak
Sitka
Ketchikan
Whitehorse
YUKON TERRITORY
Stewart
Pelly
Liard
Stikine
Peace
Hay
Coppermine
NUNAVUT
Horton
Inuvik
Tsiigehtchic
Great Bear Lake
Déline
NORTHWEST TERRITORIES
Lutselk'e
Norman Wells
Yellowknife
CANADA
Hay River
ALBERTA
BRITISH COLUMBIA
Prince George
Fraser
Hecate Strait


Glacier Bay National Park and Preserve
Gustavus
Juneau
Elfin Cove
Pt.4
Pelican
Chichagof Island
Tenakee Springs
Admiralty Island
Admiralty Island National Monument
Angoon
Sheslay
Telegraph Creek
Glenora
Jackson's Landing
CANADA
BRITISH COLUMBIA
Stikine
Fowler
Kruzof Island
Sitka
Baranof Island
Kake
Kupreanof Island
Kupreanof
Kuiu Island
Chatham Strait
ALASKA
UNITED STATES
Wrangell
Gulf of Alaska
Pacific Ocean
Pt.3
Port Alexander
Point Baker
Alexander Archipelago
Edna Bay
Coffman Cove
Pt.2
Thorne Bay
Meyers Chuck
Klawock
Kasaan
Craig
Hollis
Prince of Wales Island
Ketchikan
Revillagigedo Island
Misty Fjords National Monument
Alice Arm
Anyox
Premier
Hyder
Stewart
Hydaburg
Metlakatla
Kincolith
Dall Island
Pt.1 - START
Dixon Entrance
Prince Rupert


ALASKA
UNITED STATES
Wrangell-St. Elias National Park and Preserve
YUKON TERRITORY
Kluane National Park and Reserve
CANADA
BRITISH COLUMBIA
Chugach State Park
Valdez
Tatitlek
Cordova
Chenega
Montague Island
Kluane
Bear Creek
Canyon
Champagne
Haines Junction
Beloud Post
Klukshu
Dalton Post
Yakutat
Glacier Bay National Park and Preserve
Elfin Cove
Alexander Archipelago
Pacific Ocean
Gulf of Alaska
Pt.4
Pt.5
Pt.6
Pt.7
Pt.8
Pt.9
Pt.10
Pt.11
Pt.12
Pt.13
Pt.14


UNITED STATES
ALASKA
Soldotna
Cooper Landing
Chugach State Park
Kasilof
Clam Gulch
Cohoe
Kenai National Wildlife Refuge
Ninilchik
Seward
Chenega
Montague Island
Port Alsworth
Lake Clark National Park and Preserve
Nondalton
Cook Inlet
Kenai Fjords National Park
Pedro Bay
Newhalen
Happy Valley
Anchor Point
Kachemak City
Homer
Halibut Cove
Seldovia
English Bay
Port Graham
Iguigig
Katmai National Park and Preserve
Afognak Island
Becharof National Wildlife Refuge
Shelikof Strait
Port Lions
Ouzinkie
Kodiak
Karluk
Larsen Bay
Kodiak National Wildlife Refuge
Gulf of Alaska
Pacific Ocean
Pt.14
Pt.15
Pt.16
Pt.17
Pt.18
Pt.19


Pt.18
Afognak Island
Egegik
Pt.34
Katmai National Park and Preserve
Ouzinkie
Port Lions
Becharof National Wildlife Refuge
Shelikof Strait
Kodiak
Karluk
Kodiak Island
Pt.19
Pilot Point
Pt.33
Bristol Bay
Larsen Bay
ALASKA
Kodiak National Wildlife Refuge
Old Harbor
Bering Sea
Pt.32
Aniakchak N.M. and Preserve
Akhiok
Alaska Peninsula N.W.R.
Pt.20
Pt.31
Chignik
Pt.30
Perryville
Pt.29
UNITED STATES
Pt.22
Pt.21
Pt.28
Cold Bay
Sand Point
Gulf of Alaska
Pt.27
King Cove
False Pass
Nagai Island
Fox Islands
Unimak Island
Aleutian Islands
Pt.26
Pt.23
Pacific Ocean
Pt.24
Pt.25


Pt.45
Scammon Bay
Marshall
Russian Mission
Red Devil
Sleetmute
Hooper Bay
Chevak
Kalskag
Aniak
Lime Village
Yukon Delta National Wildlife Refuge
Tuluksak
Newtok
Kasigluk
Akiachak
Akiak
Pt.44
Bethel
Kwethluk
ALASKA
Nelson Island
Napakiak
Napaskiak
Toksook Bay
Nightmute
UNITED STATES
Port Alsworth
Mekoryuk
Pt.43
Tuntutuliak
Eek
Nondalton
Nunivak Island
Chefornak
Kipnuk
Newhalen
Koliganek
Kwigillingok
Pt.41
Quinhagak
Pt.42
New Stuyahok
Ekwok
Iguigig
Kuskokwim Bay
Goodnews Bay
Twin Hills
Dillingham
Levelock
Platinum
Togiak
Manokotak
Naknek
King Salmon
Katmai National Park and Preserve
Bering Sea
South Naknek
Pt.35
Pt.40
Pt.38
Pt.37
Pt.39
Pt.36
Egegik
Pt.34
Becharof National Wildlife Refuge
Shelikof Strait
Bristol Bay
Pilot Point
Pt.33
St. Paul
Alaska Peninsula N.W.R.
Pt.32
Aniakchak N.M. and Preserve
St. George


Pt.57
Pt.56
Pt.55
Pt.54
Pt.53
Pt.52
Pt.51
Pt.50
Pt.49
Pt.48
Pt.47
Pt.46
Pt.45
Chukchi Sea
Kotzebue Sound
Bering Land Bridge National Preserve
Bering Strait
Bering Sea
Norton Sound
CHUKOT
RUSSIA
UNITED STATES
ALASKA
St. Lawrence Island
Selawik National Wildlife Refuge
Koyukuk National Wildlife Refuge
Innoko National Wildlife Refuge
Yukon Delta National Wildlife Refuge
Nowitna N.W.R.
Chegitun
Chukhkek
Mitkulino
Inchoun
Ulen
Tunytlino
Naukan
Puoten
Leymin
Chini
Pinakul'
Mechigmen
Yandogay
Wales
Brevig Mission
Teller
Port Clarence
Yanrakynnot
Alyayevo
Kalyarik
Kurupkan
Provideniya
Uelliki
Kivak
Gambell
Savoonga
Noorvik
Selawik
Hughes
Deering
Buckland
Huslia
Koyuk
Nulato
Galena
Ruby
Kaltag
White Mountain
Golovin
Nome
Elim
Shaktoolik
Unalakleet
Stebbins
St. Michael
Grayling
Anvik
Shageluk
Flat
Holy Cross
Takotna
McGrath
Kotlik
Emmonak
Alakanuk
Sheldon Point
Mountain Village
Pitkas Point
Pilot Station
Marshall
Russian Mission
Scammon Bay
Crooked Creek
Sleetmute
Stony River
Lime Village
Koyukuk
Yukon


Arctic Ocean
Chukchi Sea
Beaufort Sea
Bering Strait
Bering Sea
Pt.66
Pt.65
Pt.64
Pt.67
Pt.68
Pt.69
Pt.70-End
Pt.62
Pt.61
Pt.60
Pt.59
Pt.57
Pt.55
Pt.54
Pt.53
Pt.52
Pt.50
Pt.51
Pt.49
Barrow
Atqasuk
Nuiqsut
Prudhoe Bay
Point Lay
Point Hope
Wainwright
Noatak
Kiana
Ambler
Shungnak
Kobuk
Noorvik
Selawik
Shishmaref
Deering
Buckland
Teller
Port Clarence
Nome
White Mountain
Golovin
Koyuk
Nulato
Koyukuk
Innoko N.W.R.
Kaltag
Ruby
Tanana
Manley Hot Springs
Fairbanks
Delta Junction
Dawson
Clear
McQuesten
Huslia
Hughes
Evansville
Beaver
Yukon Flats N.W.R.
Circle
Central
Circle Hot Springs
Venetie
Fort Yukon
Arctic Village
Big Lake
Anaktuvuk Pass
Gates of the Arctic National Park and Preserve
Noatak National Preserve
Kobuk Valley N.P.
Arctic National Wildlife Refuge
Ivvavik National Park
Vuntut N.P.
Old Crow
Tuktoyaktuk
Kittigazuit
Reindeer Depot
Inuvik
Aklavik
Tsiigehtchic
Colville
RUSSIA
CHUKOT
UNITED STATES
ALASKA
CANADA
NORTHWEST TERRITORIES
YUKON TERRITORY