State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database

ALASKA DEPT. OF FISH & GAME
SEP 1 1 2006

Region: INT

USGS Quad(s): Big Delta D-5

Fish Distribution Database Number of Waterway: 334-40-11000-2490-3301

Name of Waterway: Chena River ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination # 06-108	ADF&G Fisheries Scientist	Date 10/19/06
Revision Year: 2007	ADNR OHMP Operations Mgr.	Date 10/19/06
Revision to: Atlas ____ Catalog ____ Both X	FDD Project Biologist	Date 09/14/06
Revision Code: B-6	Cartographer	Date 10/25/06

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chinook Salmon	8/22/2003	X		2+	☑
					☐
					☐
					☐
					☐

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

Adult Chinook salmon were observed during basin-wide Chinook salmon radio telemetry study conducted by ADF&G and NOAA from 2000 - 2004 (Eiler et al, 2006). Additional aerial survey counts conducted by ADF&G on 7/20/1998, 7/27/1998, 7/30/1998, 7/31/1998, 7/31/1999, 8/1/1999, and 7/21/2001 indicate up to 100 Chinook salmon spawning on North Fork up to Angel Creek. Extend Chinook salmon spawning in 334-40-11000-2490-3301

Name of Observer (please print): Kevin Boeck

Signature: Kevin Boeck Date: 9-4-06

Agency: ADF&G

Address: 1300 College Rd

Fairbanks, AK

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Fish Distribution Database.

Signature of Area Biologist: Bonnie M. Borba Date: 9/1/06

Name of Area Biologist (please print): Bonnie M. Borba

Revision 02/05

State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database

4B

Region: INT

USGS Quad(s): Big Delta D-5

Fish Distribution Database Number of Waterway: 334-40-11000-2490-3301

Name of Waterway: Chena River ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination # _____	_____ ADF&G Fisheries Scientist	_____ Date
Revision Year: _____	_____ ADNR OHMP Operations Mgr.	_____ Date
Revision to: Atlas ____ Catalog ____ Both ____	_____ FDD Project Biologist	_____ Date
Revision Code: _____	_____ Cartographer	_____ Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Chinook Salmon	2003			2	☑
					☐
					☐
					☐
					☐

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

Adult Chinook salmon were observed during basin-wide Chinook salmon radio telemetry study conducted from 2000 - 2004.
Extend Chinook salmon [redacted] in 334-40-11000-2490-3301

+ spawning

Name of Observer (please print): Various NOAA and ADF&G staff

Signature: _____ Date: _____

Agency: ADF&G

Address: 1300 College Rd

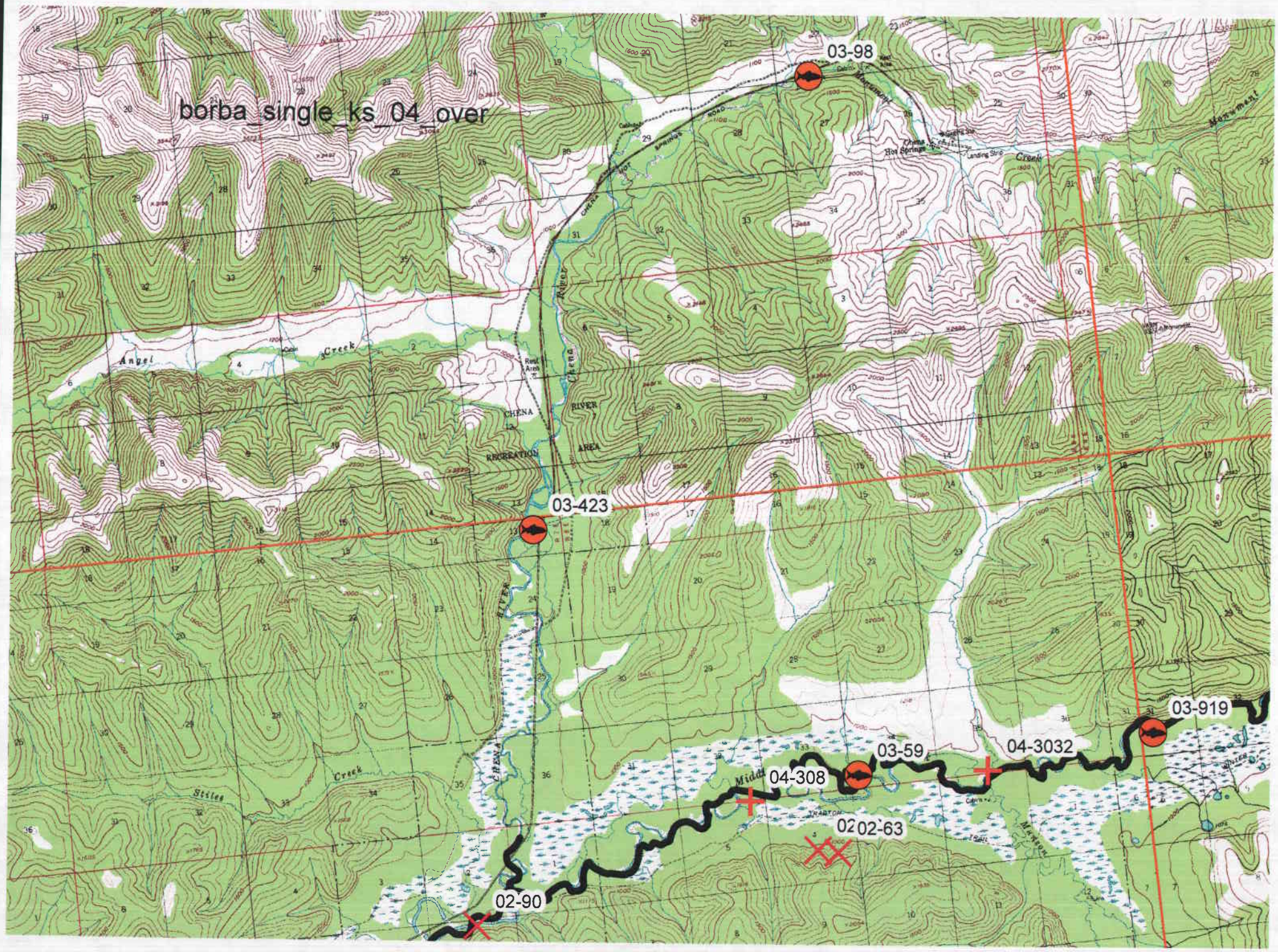
Fairbanks, AK

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Fish Distribution Database.

Signature of Area Biologist: _____ Date: _____

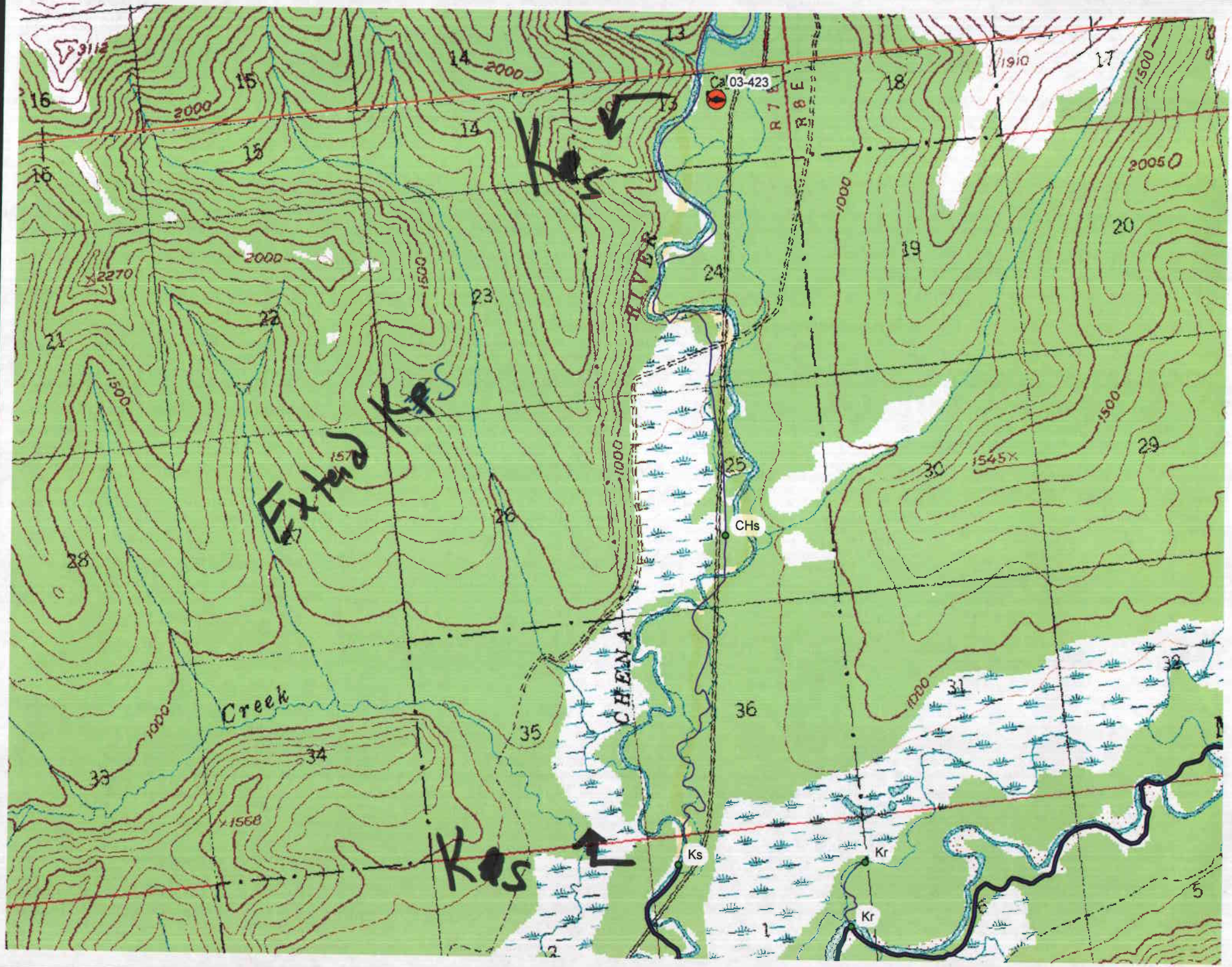
Name of Area Biologist (please print):

Revision 02/05


borba_single_ks_04_over
03-98
03-423
03-919
04-3032
03-59
04-308
02-63
02-90
Angel Creek
Stiles Creek
CHENA RIVER RECREATION AREA
Chena River
Hot Springs
Landing Strip
Monument
Middle
Manson

File name		BB Recommendations 5/10/2006
borbu_03_ks_01_zoom borbu_03_ks_01_over	Data supports extention of Chinook salmon presence to 03-1022 unless you have data to indicate more that one fish was observed at 03-691 on the Sheenjek River	Agree however Since fish 03-1022 and fish 03-691 are within a mile of each other I would call it a cluster and could support fish 03-691.
borbu_04_ks_01_zoom borbu_04_ks_01_over	Data supports extention of Chinook salmon presence to 04-247 unless you have data to indicate more than one fish was observed at 04-3036 or 03-249 on the Goodpaster River	Sent supporting data from NES to Eisenmenger Fork beyond radio tags.
borbu_02_ks_02_over borbu_02_ks_02_zoom	Data supports extention of Chinook salmon presence to 02-1048 unless you have data to indicate more than one fish was observed at 02-78 on the Chandalar River	Agree to support 02-1048
borbu_03_ks_03_zoom borbu_03_ks_03_over borbu_single_ks_01_over	Data supports extention of Chinook salmon presence to 03-662 unless you have data to indicate more than one fish was observed at 03-978 or 02-1035 Chandalar River	Agree to support 03-662
borbu_03_ks_04_over borbu_03_ks_04_zoom	Data supports extention of Chinook salmon presence to 03-483 unless you have data to indicate more than one fish was observed at 03-412 or 04-416 on Nation River	Support 04-416 since more than one year represented in same location. Or pull into review file.
borbu_03_ks_05_zoom borbu_03_ks_05_over	Data supports extention of Chinook salmon presence to 03-830 unless you have data to indicate more than one fish was observed at 03-294 Need to determine if sampling pts (03-830 & 03-294) fall on Clear Creek or stream to the east. (Kantishna drainage)	Agree to support 03-830. Based on flight path up the Toklat River and down Clear Creek (inbetween the two forks) puts the strongest signal on the western channel with the name Clear Creek on it.
borbu_03_ks_06_zoom borbu_03_ks_06_over borbu_single_ks_06_over	Data supports extention of Chinook salmon presence to 03-226 unless you have data to indicate more than one fish was observed at 03-136 or 04-3052 South Fork Chena	Support 03-136 since within a mile of 03-226 and fish have gone well beyond this location in another year (04). Tag 04-3052 was an archival tag that was physical retrieved, there were signs of predators but they did not observe other signs such as carcasses since they had to get out of the bombing range quickly.
borbu_single_ks_02_over	Confirmation of more than one Chinook salmon observed at 04-146 on Hodzana River to extend presence	Insufficient data for Chinook salmon only flight up system in the three years of the study. Supporting escapement survey data has 11 adult chum salmon and redds up to Pitka's Fork. Chum smolt a 1/4 mile up Pitka's Fork. File: rptSurveyHodzana.snp
borbu_single_ks_03_over	Data supports extention of Chinook salmon presence to 03-208 unless you have data to indicate more than one fish was observed at 03-81 Middle fork Chena	Agree to support 03-208
borbu_single_ks_04_over	Data supports extention of Chinook salmon presence to 03-423 unless you have data to indicate more than one fish was observed at 03-98 North Fork Chena	Agree to support 03-423 File: Chena Aerial Surveys NF to Angel Creek.pdf Supporting aerial survey data ranges between 35 and 100 Chinook salmon observed between North fork to Angel Creek in 1998 and 1999.
borbu_single_ks_05a_over borbu_single_ks_05_over	Stream associated w/data pt 04-863 not clear Hardluck creek Chatanika River drianage	Insufficient data.
borbu_single_ks_07_over	Confirmation of more than one Chinook salmon observed at 02-427. Chena R.	Insufficient data only flight up system in the three years of the study.
borbu_single_ks_08_over	Confirmation of more than one Chinook salmon observed at 02-470 & confirmation of location for 02-63 & 02-96 Middle fork Chena River.	Insufficient data for fish 02-470. Points 02-63 & 02-96 are on mainstem Chena River.
borbu_single_ks_09_over	Confirmation of more than one Chinook salmon observed at 03-3102. Nenana	Support fish 03-3102 confirmed that additional salmon sign (redds, carcass remains) observed in area. Few fish observed, appears to have earlier timing than other nearby streams (Eiler) **Spawning Chinook.**
borbu_single_ks_10_over	Confirmation of more than one Chinook salmon observed at 04-325. Julius Creek	Insufficient data.
borbu_single_ks_11_over	Confirmation of more than one Chinook salmon observed at 03-3117 & location Glacier (	Support fish 03-3117 archival tag recovery was confirmed that additional salmon observed in area (Eiler). Highest signal strength places the fish near 64'39431 and 149'15715 Also attached aerial survey data and map of Glacier and Wood creeks with spawning chinook documented much further up Wood Creek. File: Glacier Creek.jpg and rptSurveyGlacierWood.snp
borbu_single_ks_12_over	Confirmation of more than one Chinook salmon observed at 04-188 & location. Tanana (	Insufficient data.
borbu_single_ks_13_over	Confirmation of more than one Chinook salmon observed at 03-510. Teklanika in Nenana	Insufficient data.
borbu_single_ks_14_over	Confirmation of more than one Chinook salmon observed at 03-367. South Fork Goodpa	Sent supporting data from NES to Eisenmenger Fork beyond radio tags.
borbu_single_ks_15_over	Confirmation of more than one Chinook salmon observed at 02-1112. South Fork Goodpa	Insufficient data only flight up that far in system in the three years of the study.
borbu_single_ks_16_over borbu_single_ks_16_zoom_t	Data supports extention of Chinook salmon presence to 03-3129 unless you have data to indicate more that one fish was observed at 03-306, 02-107 or 02-1064. Hot Slough complex on Kantishna River.	Archival tag located but unable to recover due to deep, turbid water. No other fish observed due to conditions (Eiler). Insufficient data on fish 02-107, 03-604. Hot Slough is a large complex.
borbu_single_ks_16_zoom_a	Confirmation of more than one Chinook salmon observed at 03-657 or 04-3027 McKinley River area on Kantishna River.	Support fish 04-3027 archival tag recovery was confirmed that additional salmon observed in area (Eiler).
borbu_single_ks_16_zoom_a	Confirmation of more than one Chinook salmon observed at 03-657. Upper Kantishna River.	Insufficient data.
borbu_single_ks_17_zoom_t	Data supports extention of Chinook salmon presence **at 04-3062** 64.5355 Lat and -147.6149 Long. The map you sent has fish number in wrong year.	Support fish 04-3062 archival tag recovery was confirmed that additional salmon and predator sign observed in area (Eiler). Highest signal strength places the fish near 64'55067 and 147'62041

File name maps	File name	J Johnson Original Comment Bold = additional comments.	Observation Date	Survey Type	Observer	BB Recommendations 5/12/2006
borba_03_ks_01_zoom borba_03_ks_01_over	borba nor	Data supports extention of Chinook salmon presence to 03-1022 unless you have data to indicate more that one fish was observed at 03-691 on the Sheenjek River	7/31/2003	Aerial / Radio Telemetry	FWS Randy Brown	Agree however Since fish 03-1022 and fish 03-691 are within a mile of each other I would call it a cluster and could support fish 03-691.
borba_04_ks_01_zoom borba_04_ks_01_over		Data supports extention of Chinook salmon presence to 04-247 unless you have data to indicate more than one fish was observed at 04-3036 or 03-249 on the Goodpaster River				Sent supporting data from NES to Eisenmenger Fork beyond radio tags.
	borba nor	**NES siting area number 02-212 survey date 7/31/02.**	7/31/2002	Aerial Visual	NES John Morsell	NES coordinates indicate redd locations.
borba_02_ks_02_over borba_02_ks_02_zoom	borba nor	Data supports extention of Chinook salmon presence to 02-1048 unless you have data to indicate more than one fish was observed at 02-78 on the Chandalar River	8/2/2002	Aerial / Radio Telemetry	FWS Randy Brown	Agree to support 02-1048
borba_03_ks_03_zoom borba_03_ks_03_over borba_single_ks_01_over	borba nor	Data supports extention of Chinook salmon presence to 03-662 unless you have data to indicate more than one fish was observed at 03-978 or 02-1035 Chandalar River	8/6/2003	Aerial / Radio Telemetry	FWS Randy Brown	Agree to support 03-662
borba_03_ks_04_over borba_03_ks_04_zoom	borba nor	Data supports extention of Chinook salmon presence to 03-483 unless you have data to indicate more than one fish was observed at 03-412 or 04-416 on Nation River	8/5/2004 8/7/2003	Aerial / Radio Telemetry Aerial / Radio Telemetry	ADF&G CF Richard Driscoll ADF&G CF Ted Spencer	Support 04-416 since more than one year represented in same location. Or pull into review file.
borba_03_ks_05_zoom borba_03_ks_05_over	borba nor	Data supports extention of Chinook salmon presence to 03-830 unless you have data to indicate more than one fish was observed at 03-294 Need to determine if sampling pts (03-830 & 03-294) fall on Clear Creek or stream to the east. (Kantishna drainage)	7/29/2003	Aerial / Radio Telemetry	ADF&G CF Richard Driscoll	Agree to support 03-830. Based on flight path up the Toklat River and down Clear Creek (inbetween the two forks) puts the strongest signal on the western channel with the name Clear Creek on it.
borba_03_ks_06_zoom borba_03_ks_06_over borba_single_ks_06_over	borba nor	Data supports extention of Chinook salmon presence to 03-226 unless you have data to indicate more than one fish was observed at 03-136 or 04-3052 South Fork Chena	8/22/2003	Aerial / Radio Telemetry	ADF&G CF Richard Driscoll	Support 03-136 since within a mile of 03-226 and fish have gone well beyond this location in another year (04). Tag 04-3052 was an archival tag that was physical retrieved, there were signs of predators but they did not observe other signs such as carcasses since they had to get out of the bombing range quickly.
borba_single_ks_02_over		Confirmation of more than one Chinook salmon observed at 04-146 on Hodzana River to extend presence				Insufficient data for Chinook salmon only flight up system in the three years of the study. Supporting escapement survey data has 11 adult chum salmon and redds up to Pitka's Fork. Chum smolt a 1/4 mile up Pitka's Fork. File: rptSurveyHodzana.snp
borba_single_ks_03_over	borba nor	Data supports extention of Chinook salmon presence to 03-208 unless you have data to indicate more than one fish was observed at 03-81 Middle fork Chena	8/22/2003	Aerial / Radio Telemetry	ADF&G CF Richard Driscoll	Agree to support 03-208
borba_single_ks_04_over	borba nor	Data supports extention of Chinook salmon presence to 03-423 unless you have data to indicate more than one fish was observed at 03-98 North Fork Chena	8/22/2003	Aerial / Radio Telemetry	ADF&G CF Richard Driscoll	Agree to support 03-423 File: Chena Aerial Surveys NF to Angel Creek.pdf Supporting aerial survey data ranges between 35 and 100 Chinook salmon observed between North fork to Angel Creek in 1998 and 1999.
borba_single_ks_05a_over borba_single_ks_05_over		Stream associated w/data pt 04-863 not clear Hardluck creek Chatanika River drianage				Insufficient data.
borba_single_ks_07_over		Confirmation of more than one Chinook salmon observed at 02-427. Chena R.				Insufficient data only flight up system in the three years of the study.
borba_single_ks_08_over		Confirmation of more than one Chinook salmon observed at 02-470 & confirmation of location for 02-63 & 02-96 Middle fork Chena River.				Insufficient data for fish 02-470. Points 02-63 & 02-96 are on mainstem Chena River.
borba_single_ks_09_over	borba nor	Confirmation of more than one Chinook salmon observed at 03-3102. Nenana	7/31/2003	Aerial / Archival Recovery	NMFS John Eiler	Support fish 03-3102 confirmed that additional salmon sign (redds, carcass remains) observed in area. Few fish observed; appears to have earlier timing than other nearby streams (Eiler). Spawning Chinook.
borba_single_ks_10_over		Confirmation of more than one Chinook salmon observed at 04-325. Julius Creek				Insufficient data.
borba_single_ks_11_over	borba nor	Confirmation of more than one Chinook salmon observed at 03-3117 & location Glacier Crk	7/31/2003	Aerial / Archival Recovery	NMFS John Eiler	Support fish 03-3117 archival tag recovery was confirmed that additional salmon observed in area (Eiler). Highest signal strength places the fish near 64°39431 and 149°15715
	borba_nonn_06_13.xls		7/23/2001, 7/23/2005	Aerial Visual	ADF&G Kevin Boeck	Also attached aerial survey data and map of Glacier and Wood creeks with spawning chinook documented much farther up Wood Creek. File: Glacier Creek.jpg and rptSurveyGlacierWood.snp
borba_single_ks_12_over		Confirmation of more than one Chinook salmon observed at 04-188 & location. Tanana @ Nenana				Insufficient data.
borba_single_ks_13_over		Confirmation of more than one Chinook salmon observed at 03-510. Teklanika in Nenana				Insufficient data.
borba_single_ks_14_over	borba nor	Confirmation of more than one Chinook salmon observed at 03-367. South Fork Goodpaster **NES siting area number 01-933.** **NES siting area number 02-232.**	8/9/2001 8/1/2002	Aerial Visual Aerial Visual	NES John Morsell NES John Morsell	Sent supporting data from NES beyond radio tags. NES coordinates indicate redd locations.
borba_single_ks_15_over		Confirmation of more than one Chinook salmon observed at 02-1112. South Fork Goodpaste	8/1/2002	Aerial Visual		Insufficient data only flight up that far in system in the three years of the study.
borba_single_ks_16_over borba_single_ks_16_zoom_b		Data supports extention of Chinook salmon presence to 03-3129 unless you have data to indicate more that one fish was observed at 03-306, 02-107 or 02-1064. Hot Slough complex on Kantishna River.	7/29/2003	Aerial / Archival Recovery	ADF&G CF Ted Spencer	Archival tag located but unable to recover due to deep, turbid water. No other fish observed due to conditions (Eiler). Insufficient data on fish 02-107, 03-604. Hot Slough is a large complex.
borba_single_ks_16_zoom_a	borba nor	Confirmation of more than one Chinook salmon observed at 03-657 or 04-3027 McKinley River area on Kantishna River.	7/28/2004	Aerial / Archival Recovery	NMFS John Eiler	Support fish 04-3027 archival tag recovery was confirmed that additional salmon observed in area (Eiler).
borba_single_ks_16_zoom_a		Confirmation of more than one Chinook salmon observed at 03-657. Upper Kantishna River.				Insufficient data.
borba_single_ks_17_zoom_b	borba nor	Data supports extention of Chinook salmon presence t04-3062 64.5355 Lat and -147.6149 Long. **The map you sent has fish number in wrong year.**	08/0704	Aerial / Archival Recovery	NMFS John Eiler	Support fish 04-3062 archival tag recovery was confirmed that additional salmon and predator sign observed in area (Eiler). Highest signal strength places the fish near 64°55067 and 147°62041



Ca 03-423
CHs
Ks
Kr
Kr
Creek
CHENA
RIVER
Extend Kes
Kes
Kes