State of Alaska
Department of Fish and Game
Division of Sport Fish

Fish Survey
Nomination Form
Fish Distribution Database

Region: Southwest

USGS Quad: Taylor Mts B-1

Fish Distribution Database Number of Waterway: 325-30-10100-2202-3281

Status: Cataloged

Name of Waterway: Mosquito River

☑ **USGS Name** ☐ **Local Name**

☑ **Addition** ☐ **Deletion** ☐ **Correction** ☐ **Backup Information**

For Office Use

Nomination # 06-713

Revision Year: 2007

Revision to: Atlas _____ Catalog _____ Both X

Revision Code: B-2, B-6

ADFG Fisheries Scientist — Date 11/20/06

ADNR OHMP Operations Mgr. — Date 11/20/06

FDD Project Biologist — Date 11/08/06

Cartographer — Date 12/1/06

Site Information

Station: FSN0619C06 **Date Observed:** 8/20/2006 **Legal Desc.:** Sec 36, T. 5 N., R. 40 W., S.M.

		Depth (m)	Width (m)			Latitude	Longitude	Datum
Stream Parameters:	**OHW**	1.5	8.0	**Water Temp. (C):** 7.37	**Upstream**	60.48314	-156.21875	WGS84
	Wetted	1.5	8.0	**Stream Stage:** High	**Downstream**	60.48316	-156.21755	WGS84
				Dominant Substrate: Sand/Silt/Clay				

Rosgen Channel Type: SL *Slough*

Station Comments: Right-bank Mosquito River off-channel; connected at mouth. Sampled an 85-meter long reach. Upstream terminus coordinates derived from GPS track file. Downstream terminus coordinates marked directly with GPS unit.

Observation Information

Life History: Obligate anadromous population

Species\Lifestage: Chinook salmon juvenile	**Samp. ID (# Fish):** A (6)
Species\Lifestage: coho salmon adult	**Samp. ID (# Fish):** A (2)
Species\Lifestage: coho salmon juvenile	**Samp. ID (# Fish):** A (1)

Life History: Resident

Species\Lifestage: Arctic grayling adult	**Samp. ID (# Fish):** A (1)
Species\Lifestage: Arctic grayling juvenile/adult	**Samp. ID (# Fish):** A (2)
Species\Lifestage: threespine stickleback juvenile/adult	**Samp. ID (# Fish):** A (1)
Species\Lifestage: round whitefish adult	**Samp. ID (# Fish):** A (4)

Key to Samp. ID

Samp. ID: A **Method:** Boat-Mounted Electrofisher **Electrofisher Time(s):** 459 **Efficiency:** Fair

Coho salmon rearing?
Extend Coho salmon presence in
325-30-10100-2202-3281

Additional Comments: This nomination supports adding to the FDD rearing Chinook and coho salmon and extending adult coho salmon further upstream.

Name of Observer: Joe Buckwalter Phone: (907) 267-2345 Date Printed: 10/24/2006

Signature: Joe Buckwalter

Address: Alaska Department of Fish and Game, Division of Sport Fish
333 Raspberry Road
Anchorage, AK 99518

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:** _____

Printed from: I:\HR_Projs\Fish_Surveys\FSN06\FishSurv_PG.MDB **Location:** Anchorage

FSN0619C028.jpg

STATE OF ALASKA

FRANK MURKOWSKI, GOVERNOR

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DEPARTMENT OF FISH AND GAME

Division of Sport Fish

MEMORANDUM

TO: J. Johnson
Habitat Biologist

FROM: Michael Wiedmer
Habitat Biologist
Region V

DATE: October 23, 2006

SUBJECT: 2006 Mosquito River system nominations

Attached are Fish Distribution Database/Anadromous Waters Catalog (FDD/AWC) nominations for the Mosquito River (325-30-10100-2202-3281) and the East Fork Mosquito River (325-30-10100-2202-3281-4020). In 2003 and 2006, our freshwater fish inventories (Wiedmer 2003, 2006) of the Nushagak/Mulchatna drainage yielded 14 fish sampling efforts on the Mosquito River and 1 on the East Fork Mosquito River. Observations from these individual sampling efforts provide backup information for current listings of adult sockeye and chum salmon.

Collectively, the 14 Mosquito River observations support adding to the FDD/AWC rearing Chinook salmon (observed at 13 of 14 sampled locations, Figure 1) throughout the mainstem upstream to Station FSN0619C01; rearing coho salmon (observed at 5 of 14 sampled locations, Figure 2) throughout the mainstem upstream to Station FSN0619C02; adult coho salmon (observed at 3 of 14 locations, Figure 3) throughout the mainstem upstream to FSN0619C06; and rearing Dolly Varden (observed at 7 of 14 sampled locations, Figure 4) throughout the mainstem upstream to Station FSB0314A04. Rearing Dolly Varden should also be extended up the East Fork Mosquito River to Station FSB0314A05, a river section currently documented for rearing coho salmon.

These 15 observations are bundled into 5 packages, 4 of which represent sets of observations from contiguous reaches of the Mosquito River. These packages are ordered from downstream to upstream. The remaining package is the single observation from the East Fork Mosquito River.

References Cited.

Wiedmer, M. 2003. Synoptic inventory of anadromous fish distribution in Southcentral Alaska freshwaters: FY 2004 Operational Plan. Alaska Department of Fish and Game, Division of Sport Fish, Anchorage.

Wiedmer, M. 2006. Inventory and modeling of fish distribution in Nushagak—Mulchatna drainage streams: FY 2007 Operational Plan. Alaska Department of Fish and Game, Division of Sport Fish, Anchorage.

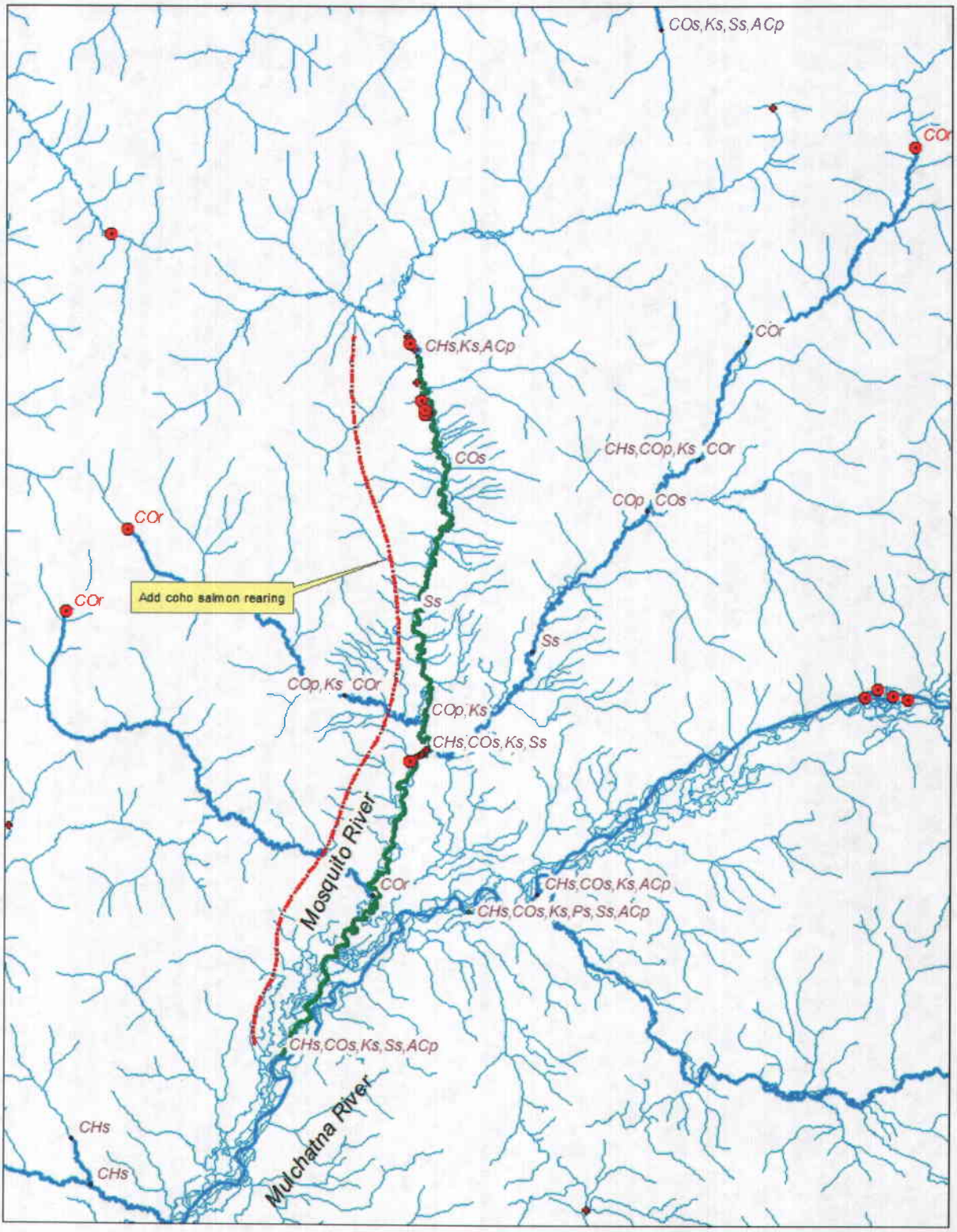


Figure 2.- Locations of Mosquito River rearing coho salmon observations (see attached nominations for station coordinates).

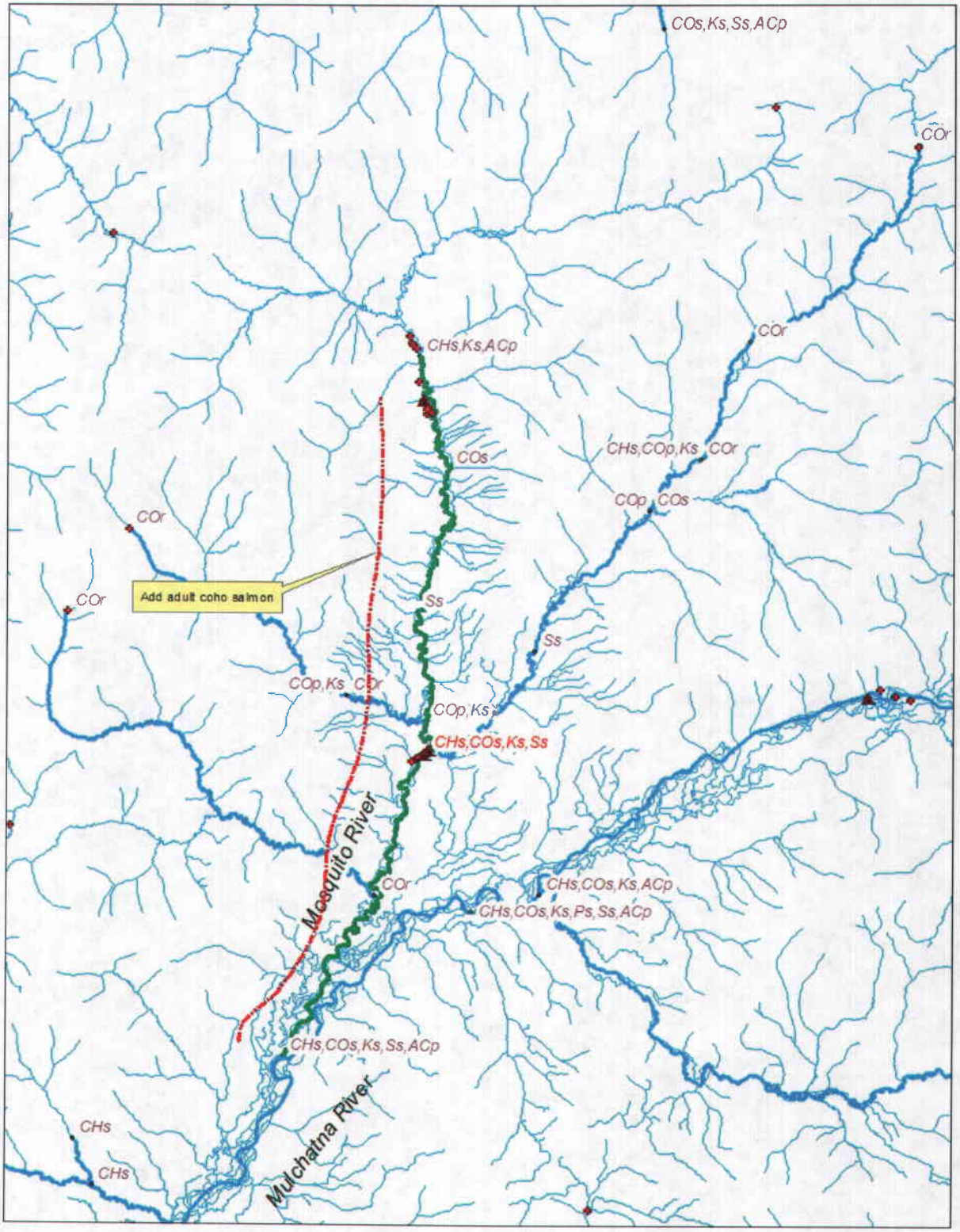
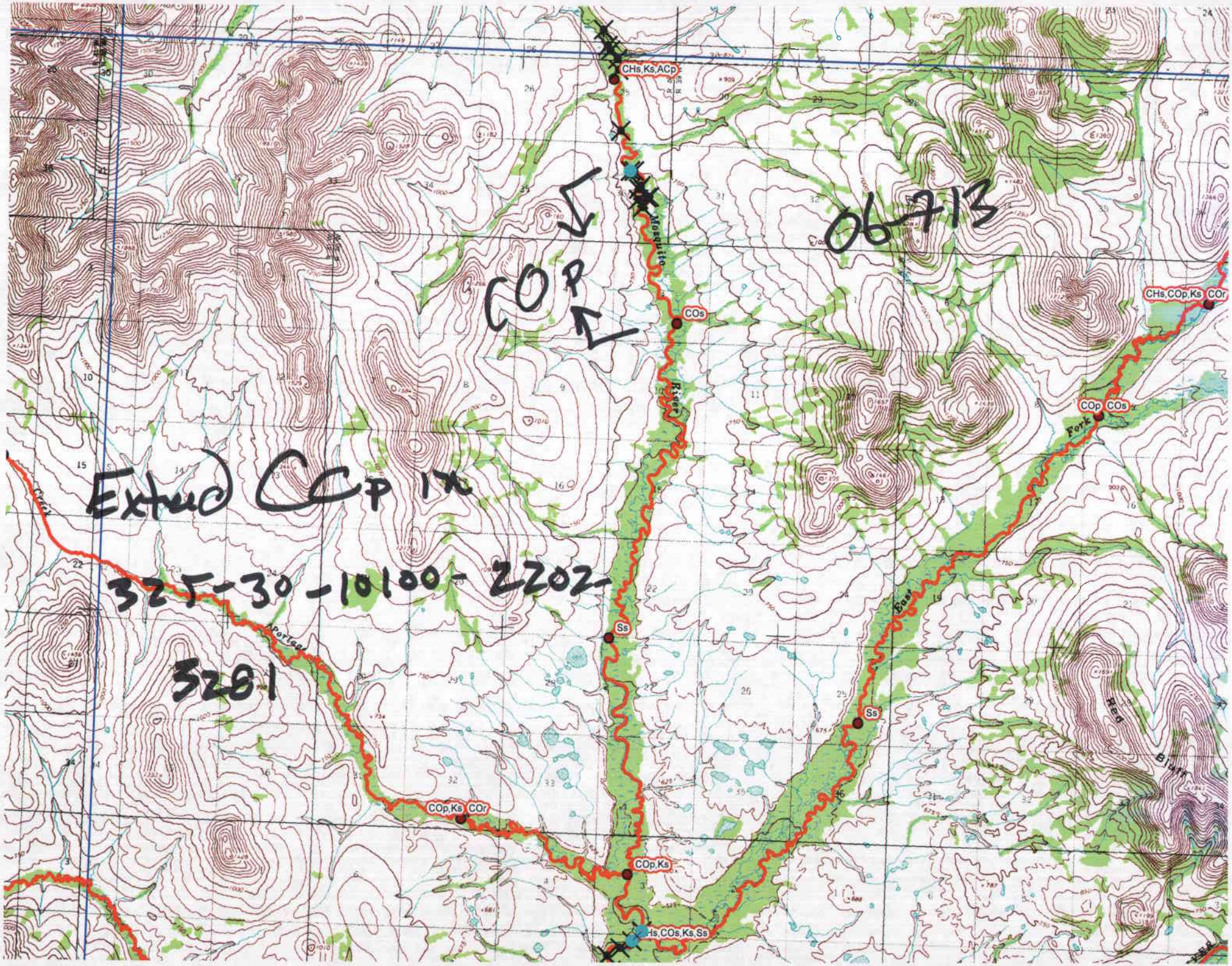
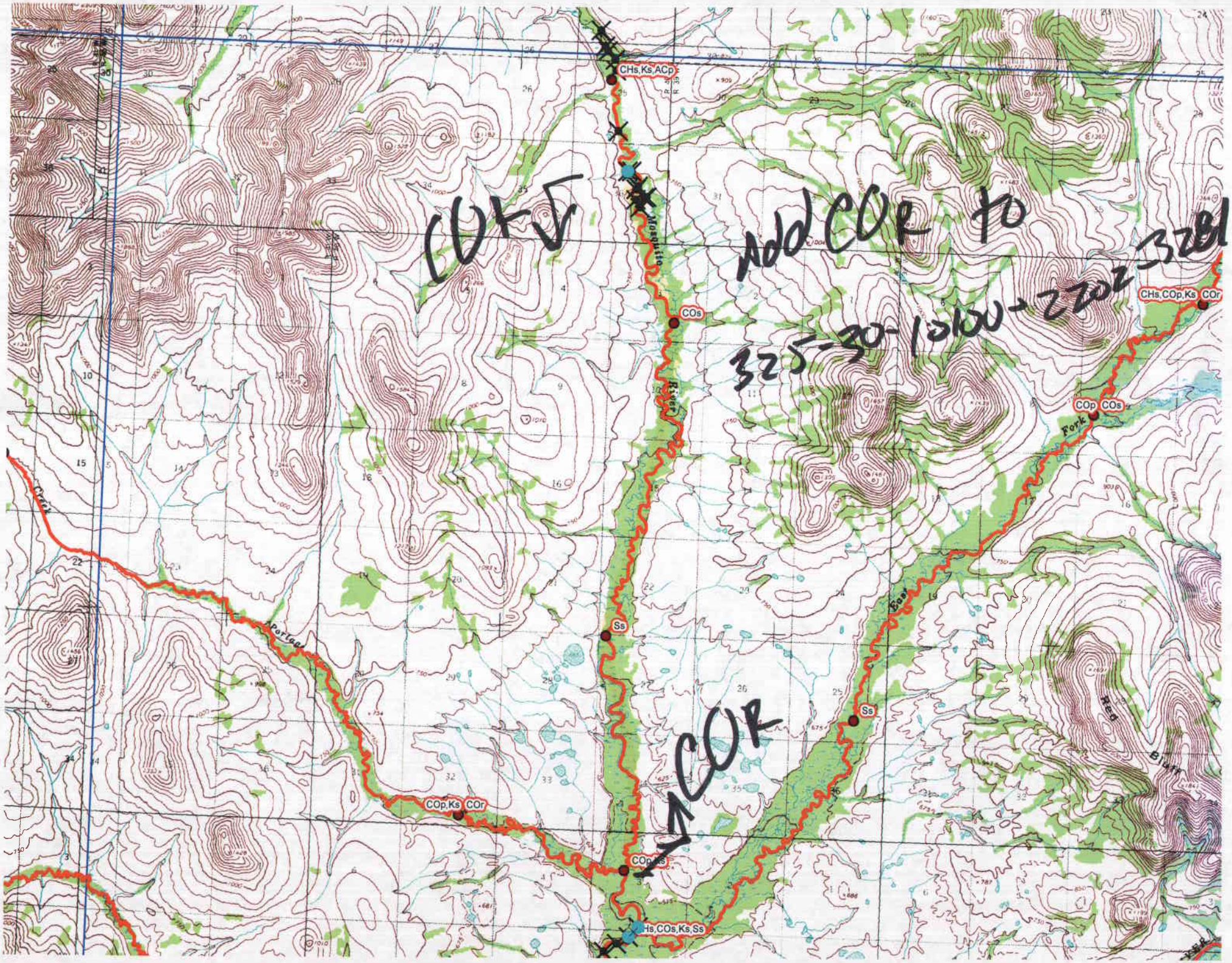


Figure 3.- Locations of Mosquito River adult coho salmon observations (see attached nominations for station coordinates).



CHs,Ks,ACp
COp
06-713
Mosquito
River
COs
CHs,COp,Ks
COr
COp
COs
Fork
Extud CCp in
325-30-10100-2202-
3281
Ss
East
Ss
Red
Bluff
COp,Ks
COr
COp,Ks
Hs,COs,Ks,Ss



CHs,Ks,ACp
COs
CHs,COp,Ks
COr
COp
COs
Ss
Ss
COp,Ks
COr
Hs,COs,Ks,Ss
Mosquito
River
Portage
Creek
East
Fork
Red
Bluff
COR
Add COR to
325-30-10100-2202-3281