



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog



Region Southeastern USGS Quad(s) Sitka-A-4

Anadromous Waters Catalog Number of Waterway 113-41-10190-2030 Tributary, 3012

Name of Waterway 113-41-10190-2030 Tributary 1 USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>12-531</u>	<u>[Signature]</u> Fisheries Scientist	<u>11/2/12</u> Date
Revision Year: <u>2013</u>	<u>[Signature]</u> Habitat Operations Manager	<u>11/2/12</u> Date
Revision to: Atlas _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist	<u>10/26/12</u> Date
Revision Code: <u>C-7, C-9, A-Zd</u>	<u>[Signature]</u> Cartographer	<u>11/19/12</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	06/27/2012		✓	✓	✓

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:

Coordinates (Lat,Long): Upper(57.079658,-135.272288) Lower(57.079003,-135.273824)
 Revise hydrography for 113-41-10190-2030
 Reposition pts for 113-41-10190-2030, 2030-3020, 2030-3028
 Add new stream - 2030-3012 w/ coho salmon REARING

Name of Observer (please print): Matthew Kern
 Signature: 146.63.61.200 (Web Nomination) Date: 09/06/2012
 Agency: _____
 Address: 1416 3rd St 1416 3rd St
Douglas, AK 99824

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 Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____ Revision 02/08
 Name of Area Biologist (please print): _____

Stream No. 113-41-10190-2030 Tributary Addition

			shocking up		
41	57.079069	-135.27338	Electrofished and got 1 DV about 50 mm	electrofish	1 DV ~ 50 mm
42	57.079098	-135.273123	Foot trail crosses stream		
43	57.079049	-135.272856	Electrofished and got 1 DV about 30 mm	electrofish	1 DV ~ 30 mm
44	57.078848	-135.272068	Trib entering river left, track and shock		
45	57.078554	-135.272168	Calling the top of trib. It goes subterrian for 100 yds then resurfaces the back underground again. Repeats for as far as I can see. Electrofished nothing. Future investigation.		
46	57.078352	-135.271707	We are calling this the top of this trib. We have been electrofishing but have not gotten even a DV. Trib has decent flow and would recommend investigating before any future development.		
47	57.079205	-135.272936	Electrofished and got 1 DV about 35 mm and 2 coho about 25 mm	electrofish	1 DV ~ 35 mm, 2 coho ~ 25 mm
48	57.079658	-135.272288	Electrofished and got 1 coho about 30 mm and 1 DV about 25 mm	electrofish	1 coho ~ 20 mm, 1 DV ~ 25 mm
49	57.079647	-135.271803	Trib entering rive right, track/shock		
50	57.079723	-135.2715	Electrofished and got 2 DV about 40 mm	electrofish	2 DV ~ 40 mm
51	57.079969	-135.271222	Top of the trib. Just bubbling up out of ground. Likely upwell from river since it is not far away.		
52	57.079628	-135.27139	Electrofished and got 2 DV about 35 mm	electrofish	2 DV ~ 35 mm
53	57.079795	-135.270596	Foot trail crosses trib		
54	57.079735	-135.27052	Trib entering river left, tracking and shocking. Electrofished confluence and got 2 DV about 45 mm. Bit of hall for rearing fish to make.	electrofish	2 DV ~ 45 mm
55	57.079527	-135.269583	Calling it the top of trib. We electrofished the whole way to this WPT and got nothing. Further investigation.		
56	57.07976	-135.270111	Electrofished and got 1 DV about 55 mm	electrofish	1 DV ~ 55 mm
57	57.079895	-135.269381	Electrofished and got 1 DV about 55 mm. Also where trib crosses the foot trail once more. Come back tomorrow	electrofish	1 DV ~ 55 mm

Table 2. Survey notes from June 28th, 2012

Waypoints	lat	lon	Notes	Sample Effort	Sample Results
58	57.079969	-135.269148	Where tracking ended on 6/27. Will be finishing this tributary and then head back to main Indian river branch.		
59	57.080064	-135.268915	Electrofisher settings: 410v, 30Hz and 12% duty cycle. Got two Dolly Varden about 35mm.	Electrofisher	2 Dolly Varden about 35mm
60	57.080071	-135.268703	Tributary crosses the foot trail once more.		
61	57.08015	-135.267991	Electrofished and got two Dolly Varden about 40mm and visual ID on four other Dolly Varden.	Electrofisher and Visual ID	2 Dolly Varden about 40mm and visual on 4 other Dolly Varden
62	57.080077	-135.265288	Electrofished and got three Dolly Varden between 40-70mm.	Electrofisher	3 Dolly Varden between 40-70mm
63	57.080109	-135.26497	Calling the top of tributary. It is in a swampy/muskeg like area and water is just coming out slowly and collecting to make tributary.		
64	57.079564	-135.273692	Electrofished and got two Coho about 30mm and changed the electrofisher volts to 425.	Electrofisher	2 Coho about 30mm
65	57.079799	-135.273554	Top of side channel which started at WPT# 36 on 6/27.		
66	57.080509	-135.270691	Electrofished in pool on side of Indian River branch. Got two Coho about 30mm and visual on half dozen more.	Electrofisher and visual ID	2 Coho about 30mm and saw half dozen more
67	57.081009	-135.264868	Tributary entering river left going to track and shock up. Billy Basin branch.		
68	57.080782	-135.264719	Foot trail crosses stream.		

69	57.076735	-135.260538	Site of old building not sure if it was used for gold mining or logging operations. Have found random pieces up to this point in the stream. This is way cool! Would be interesting to find out more about what went on in this area. Also electrofished some Dolly Varden but was unable to net because water washed them away to quickly.		
70	57.074718	-135.259364	Top of the Billy Basin tributary. Has multiple falls with no pools and we have not picked up a Dolly Varden in awhile. So calling it good.		

Stream No. 113-41-10190-2030 Tributary Addition 1

Stream: Indian River Tributary: 113-41-10190-2030 Tributary Addition 1

Watershed: Billy Basin

USGS Quadrangle: Sitka-A-4

MTRS: Section: 21 Township: 55 S Range: 64 E

Date Surveyed: June 27-28, 2012

Findings: This stream provides excellent rearing habitat for coho salmon and Dolly Varden char.

Recommendations: We recommend adding this stream course to the Anadromous Waters Catalog.

Nomination form submitted: Yes

Nomination Status:

Notes:

Table 1. Survey notes from June 27, 2012.

Waypoint	lat	lon	Notes	Sample Effort	Sample Results
28	57.073899	-135.291694	Tracking up mainstem of branch		
29	57.077066	-135.28376	Trib entering river left. Has pretty good flow and we will be tracking and shocking up. Electrofisher settings: 410 V, 30 Hz, 12% duty cycle		
30	57.076936	-135.283246	Electrofish and got 2 DV about 45 mm	electrofish	2 DV ~ 45 mm
31	57.076843	-135.283124	Foot trail bridge crosses stream		
32	57.076518	-135.282727	Electrofish and got 2 DV about 40 mm	electrofish	2 DV ~ 40 mm
33	57.076194	-135.282989	Girls found an old gold pan, Photos (2)		
34	57.075466	-135.282581	Trib entering river left. Will come back and track. Electrofished and got 1 DV about 35 mm. Turned out to be where side channel reconnects with mainstem	electrofish	1 DV ~ 35 mm
35	57.074582	-135.281031	Calling it the top of trib. It becomes cascade like for a while with minimal rest areas. We also have not been able to get anything for a while now so here is the top!		
36	57.078391	-135.276572	Possible trib entering river left. Going to head up this and see		
37	57.078459	-135.275702	Electrofished and got 2 DV between 30-35 mm	electrofish	2 DV between 9-35 mm
38	57.078498	-135.275271	Electrofished and got 3 coho about 35 mm and 1 DV about 15 mm	electrofish	3 coho ~ 25 mm, 1 DV ~ 15 mm
39	57.079003	-135.273824	Trib entering river left, tracking and shocking up		
40	57.079068	-135.273639	Trib entering river left, tracking and		

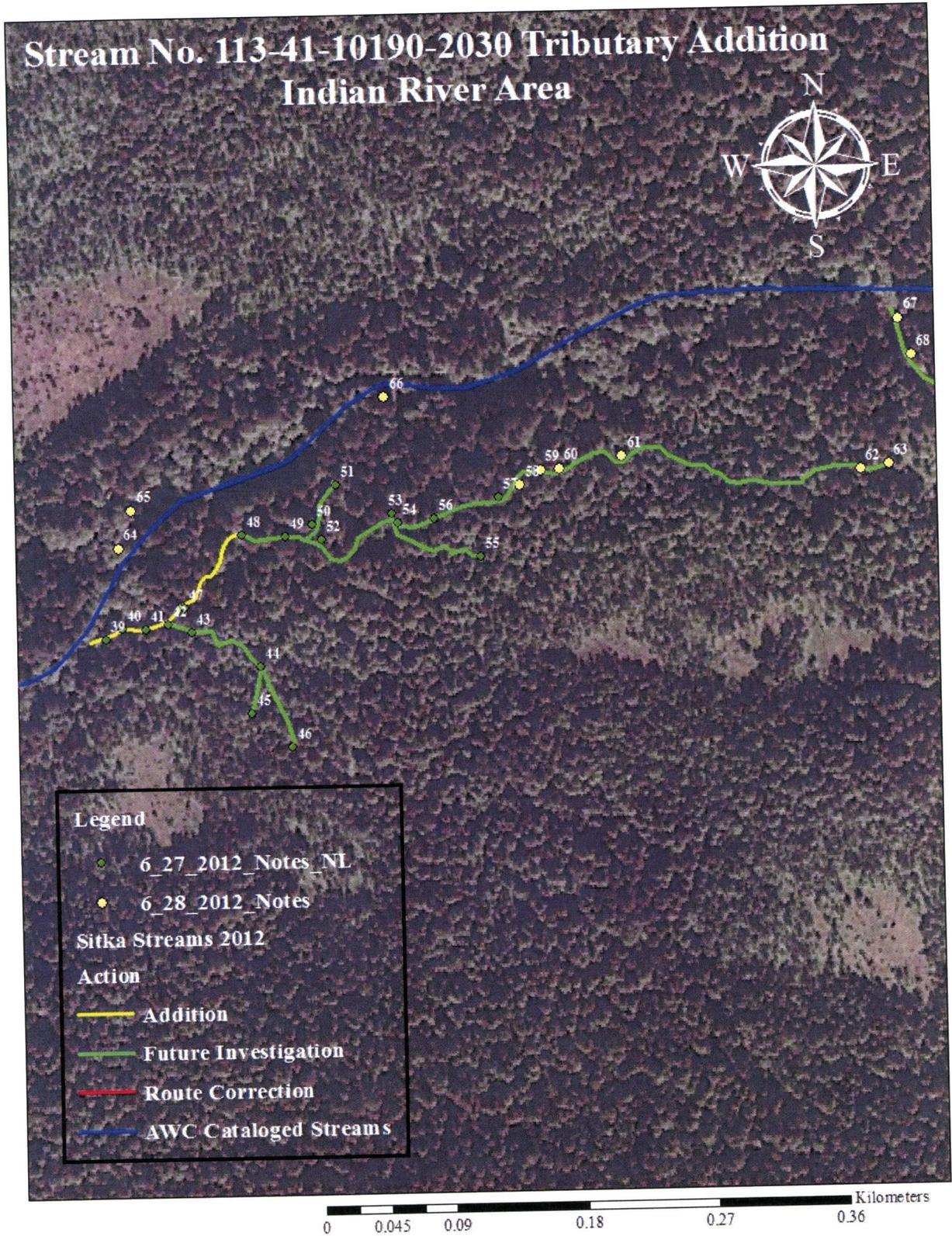
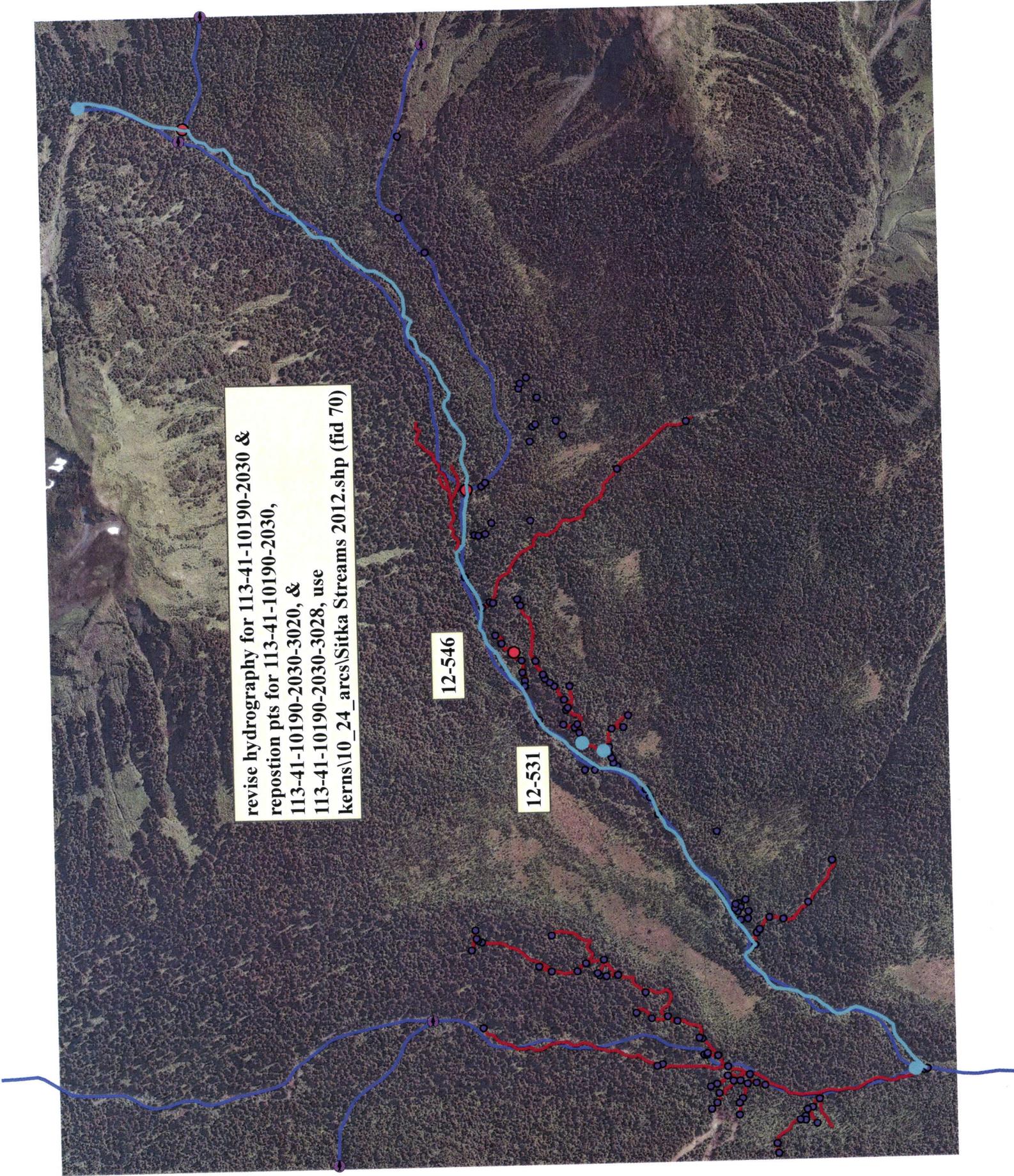


Figure 1. Map of Indian River Tributary: Stream No. 113-41-10190-2030 – Tributary Addition 1.

revise hydrography for 113-41-10190-2030 &
reposition pts for 113-41-10190-2030,
113-41-10190-2030-3020, &
113-41-10190-2030-3028, use
kerns\10_24_arcs\Sitka Streams 2012.shp (fid 70)

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12-531



revise hydrography for 113-41-10190-2030 &
reposition pts for 113-41-10190-2030,
113-41-10190-2030-3020, &
113-41-10190-2030-3028, use
kerns\10_24_arcs\Sitka Streams 2012.shp (fid 70)

add new stream 113-41-10190-2030-3012
w/coho salmon rearing, use
kerns\10_24_arcs\Sitka Streams 2012.shp (fid 56)

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12-546

-3016

-3012

2 - COR

1 - COR

