



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

Nomination Form
Anadromous Waters Catalog

M E

Region Southeast

USGS Quad(s) Craig A-2

Anadromous Waters Catalog Number of Waterway 103-25-10090 -0010 & -0020

Name of Waterway Eek Creek

USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>130021</u>	<u>[Signature]</u>	<u>8/27/13</u>
Revision Year:	<u>2019</u>	Fisheries Scientist	Date
Revision to:	Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u>	<u>8/27/13</u>
Revision Code:	<u>B-2, B-6, B-1, C-9</u>	Habitat Operations Manager	Date
		<u>[Signature]</u>	<u>1/29/13</u>
		AWC Project Biologist	Date
		<u>[Signature]</u>	<u>9/5/13</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	June 28, 2012				
Dolly Varden	June 28, 2012		X		<input checked="" type="checkbox"/>
				X	<input type="checkbox"/>
<i>Add coho salmon present to and remove portion of 103-20-10099 and remove portion of hydrography as indicated</i>					
					<input type="checkbox"/>
					<input type="checkbox"/>

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: Three baited minnow traps were set in upper Eek Creek and soaked for 5-6 hours at GPS locations 86, 93 and 99 (see attached map and attached datasheets). GPS 86 trap caught 1 juvenile coho (55mm), GPS 93 trap caught 1 juvenile coho (65mm) and 2 Dolly Varden (90mm, 110mm), and GPS 99 trap caught 6 juvenile coho (80mm, 85mm, 70mm, 55mm, 80mm, 70mm). Timing of data collection life stage of coho salmon show that juveniles are using this reach for rearing habitat. The attached dataset for stream habitat gives characteristics of the stream for the trap location, the other dataset is from the fish handling permit data submitted to ADFG Sportfish. This application was prepared by Cathy Needham (907-723-4426 or cathy@kaienvironmental.com for additional information)

Name of Observer (please print): Tony Sanderson
 Signature: [Signature]
 Agency: Hydaburg Cooperative Association
 Address: P.O. Box 349
Hydaburg, Alaska 99922

Date: Jan. 11, 2013

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: _____

ALASKA DEPT. OF FISH & GAME
JAN 18 2013

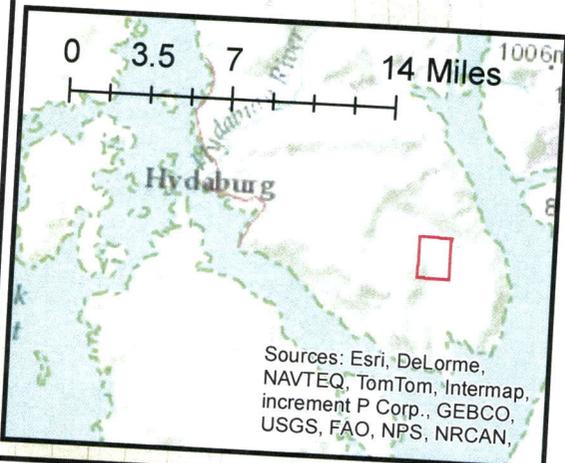
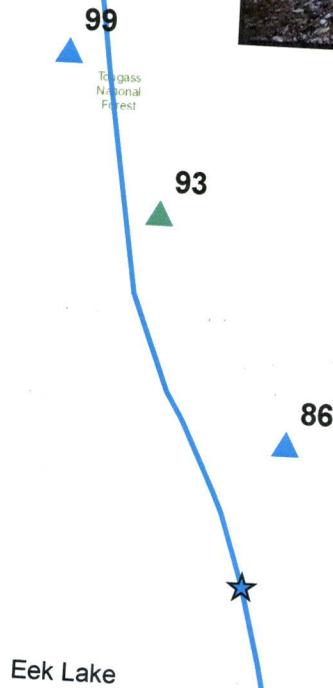
Eek Creek June 28, 2012

Legend

Fish Traps

- ▲ Coho salmon
- ▲ Coho salmon and Dolly Varden
- ▲ Coho salmon
- ★ AWC Points
- AWC Line

0 0.05 0.1 0.2 Miles



Eek Creek Minnow Trapping Data (2012)

ADF&G permit no. SF2012-193

Summary report of fish collection activity.

The area biologist was contacted on: TIME/DATE

6/14/12 at
8:37 P.M.

Location_ID	GPS_Point	Latitude	Longitude	Datum	Coordinate_determination_method	Name_of_waiver_body	Date	Fish_collection_method	Species	Life stage	Length	Length_method	Disposition	Disposition	Comments
Eek12	86	55.181480	-132.677922	WGS84	GPS	Eek	6/28/2012	Minnow Trap	coho salmon	juvenile	55 fork	55 fork	ID'ed and released		measured and released
Eek12	93	55.183160	-132.679678	WGS84	GPS	Eek	6/28/2012	Minnow Trap	Dolly Varden	juvenile	90 fork	90 fork	ID'ed and released		measured and released
Eek12	93	55.183160	-132.679678	WGS84	GPS	Eek	6/28/2012	Minnow Trap	Dolly Varden	juvenile	110 fork	110 fork	ID'ed and released		measured and released
Eek12	93	55.183160	-132.679678	WGS84	GPS	Eek	6/28/2012	Minnow Trap	coho salmon	juvenile	65 fork	65 fork	ID'ed and released		measured and released
Eek12	99	55.184340	-132.680929	WGS84	GPS	Eek	6/28/2012	Minnow Trap	coho salmon	juvenile	80 fork	80 fork	ID'ed and released		measured and released
Eek12	99	55.184340	-132.680929	WGS84	GPS	Eek	6/28/2012	Minnow Trap	coho salmon	juvenile	85 fork	85 fork	ID'ed and released		measured and released
Eek12	99	55.184340	-132.680929	WGS84	GPS	Eek	6/28/2012	Minnow Trap	coho salmon	juvenile	70 fork	70 fork	ID'ed and released		measured and released
Eek12	99	55.184340	-132.680929	WGS84	GPS	Eek	6/28/2012	Minnow Trap	coho salmon	juvenile	55 fork	55 fork	ID'ed and released		measured and released
Eek12	99	55.184340	-132.680929	WGS84	GPS	Eek	6/28/2012	Minnow Trap	coho salmon	juvenile	80 fork	80 fork	ID'ed and released		measured and released
Eek12	99	55.184340	-132.680929	WGS84	GPS	Eek	6/28/2012	Minnow Trap	coho salmon	juvenile	70 fork	70 fork	ID'ed and released		measured and released

Eek Creek Stream Habitat Mapping Data 2012

Project Code: Eek12

6/28/2012 Channel Type:

GPS: KAI02

Upstream

Waypoint	Coordinates		Error (ft)	Feature	Locale	Locator
83	55.181085	-132.677657	23	INL	MCH	SS
83	55.181085	-132.677657	23	BSS	MCH	SS
83	55.181085	-132.677657	23	CBW	MCH	SS
84	55.181424	-132.678038		MAP	MCH	SS
85	55.181475	-132.678015		CBW	MCH	SS
86	55.181482	-132.677922		FOP	MCH	RB
87	55.181817	-132.678048		MAP	MCH	SS
88	55.182192	-132.678325	11	CBW	MCH	SS
89	55.182229	-132.678374	12	FOP	MCH	LB
90	55.182532	-132.678721		MAP	MCH	SS
91	55.182824	-132.678999		MAP	MCH	SS
92	55.183089	-132.679281		MAP	MCH	SS
93	55.183158	-132.679678		FOP	MCH	RB
94	55.183226	-132.680002		TRB	MCH	RB
95	55.183567	-132.679689		MAP	MCH	SS
96	55.183834	-132.679947		MAP	MCH	RB
97	55.183944	-132.68015	28	SAP	MCH	RB
98	55.184129	-132.680322	20	MAP	MCH	SS
99	55.18434	-132.680929	20	FOP	MCH	RB
100	55.184342	-132.681098		MAP	MCH	RB
101	55.184734	-132.682042		MAP	MCH	RB
102	55.18488	-132.682481		MAP	MCH	RB
103	55.184936	-132.682942		MAP	MCH	RB
104	55.18493	-132.683351	23	TRB	MCH	RB
113	55.185016	-132.684567		TRB	MCH	RB
114	55.185135	-132.684068		MAP	MCH	SS
115	55.18539	-132.683983		MAP	MCH	SS
116	55.185567	-132.68409		MAP	MCH	SS
117	55.185937	-132.68405		MAP	MCH	SS
118	55.186271	-132.684117		MAP	MCH	RB
119	55.18653	-132.684236		MAP	MCH	RB
120	55.186905	-132.684162		MAP	MCH	RB
121	55.18716	-132.683716		MAP	MCH	RB
122	55.187257	-132.68366		MAP	MCH	LB
123	55.187976	-132.683813		MAP	MCH	SS
124	55.188455	-132.683754		MAP	MCH	SS
134	55.18908	-132.683718		MAP	MCH	RB
135	55.188932	-132.684427		MAP	MCH	SS
136	55.188967	-132.685215		MAP	MCH	SS
137	55.189373	-132.685695		MAP	MCH	SS
138	55.189371	-132.685922		MAP	MCH	SS
139	55.189394	-132.686469		MAP	MCH	SS
140	55.189459	-132.687012		MAP	MCH	SS
141	55.189537	-132.687428		MAP	MCH	SS
142	55.1899	-132.687805		MAP	MCH	SS

143	55.190291	-132.687831
144	55.190596	-132.68786
145	55.190904	-132.687967
163	55.184234	-132.681939
7	55.19083	-132.68774
8	55.18893	-132.6853
10	55.1882	-132.68378
11	55.18539	-132.68396

3

MAP	MCH	SS
MAP	MCH	SS
BRK	MCH	SS
TRB	MCH	RB
LWA	MCH	SS
LWA	MCH	SS
LWA	MCH	SS
CTV	MCH	SS

mapped 8/6/12
 mapped 8/6/12
 mapped 8/6/12
 mapped 8/6/12

*CTV data taken on 8/6/12

Bottom of Reach Waypoint	CTV Waypoint	Top of Reach Waypoint	Avg Stream Gradient (%)	Incision Depth (m)	Bankful Width (m)	Bank Composition	Channel Pattern
83	11	145	-0.25	0.76	12.2	Organic	Braided
<u>Stream Gradient Measure</u>			<u>Riparian Vegetation Codes</u>				
		dist (m)		Left Bank	Right Bank		
Bottom of Reach (up)	1	21	0-5m	IA2a	IA3a		
CTV (down)	-1	11.8	5-10m	IA2a	IA3a		
CTV (up)	0	11.6	10-20m	IA2a	IA1a		
Top of Reach (up)	-1	13.7	23-30m	IA2a	IA1a		
<u>Substrate and Geology</u>		<u>Avg. Channel Bedwidth (m)</u>					
Dominant	VCG	13.7					
Sub-dominant	CGR						
Next sub-dominant	MGR						
<u>Reach Counts</u>							
Large Wood	91						
Key Wood	45						
Macro Pools	53						



January 14, 2013

ADF&G Sportfish Division Regional Office
ATTN: J. Johnson
333 Raspberry Road
Anchorage, AK 99518

Dear Mr. Johnson,

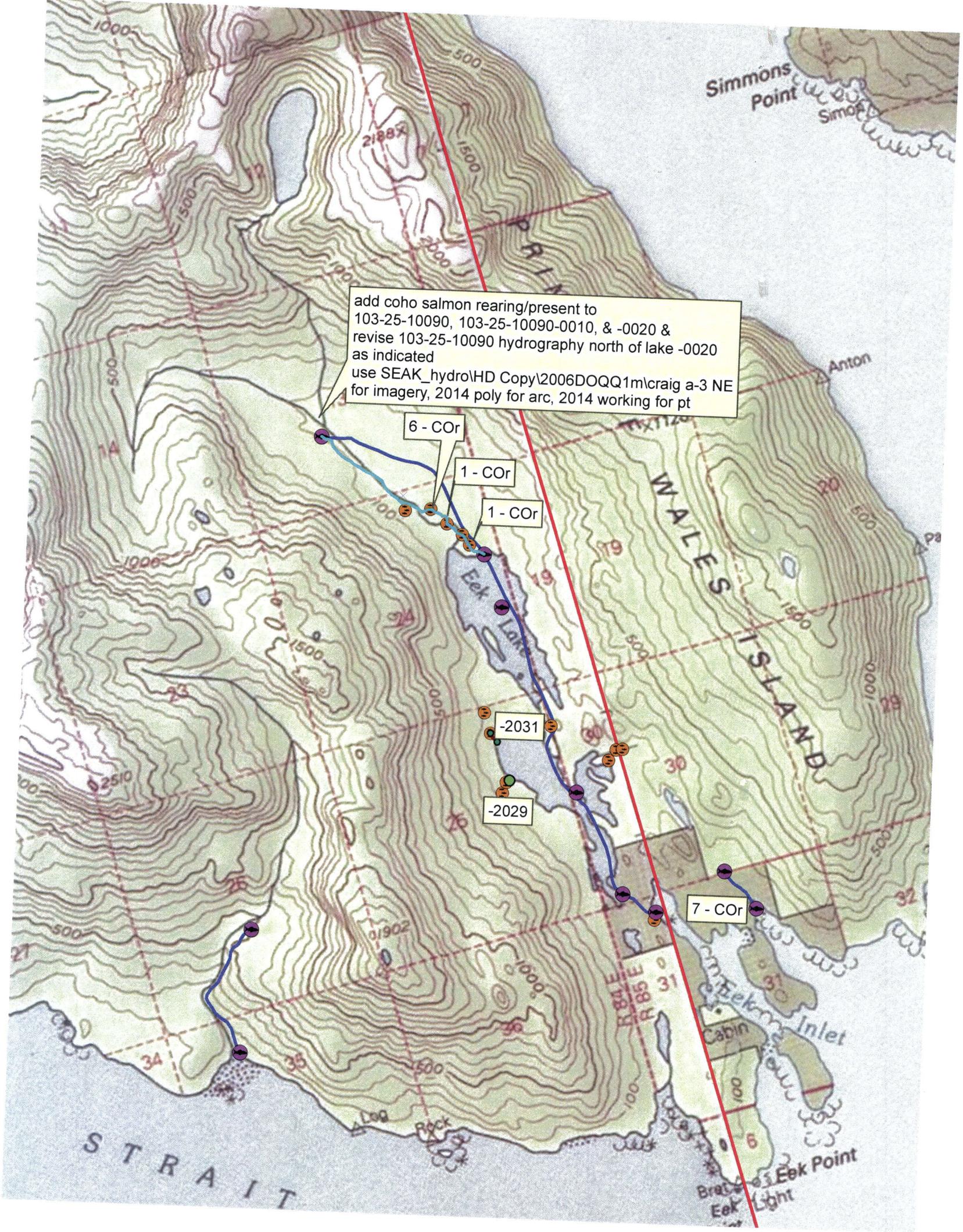
On behalf of the Hydaburg Cooperative Association (HCA) and The Nature Conservancy (TNC), I have completed and enclosed 7 nomination packages for the Anadromous Waters Catalog (AWC). In 2012, TNC received a Southeast Sustainable Salmon Fund grant from the State of Alaska, Department of Fish and Game, to conduct stream habitat surveys in two important subsistence watersheds near Hydaburg, Alaska. These watersheds include Hetta Lake (4 nominations) and Eek Lake (3 nominations). During stream habitat surveys, additional data for documenting fish and fish habitat use was also taken (in the form of minnow trapping and adult foot surveys). While 5 of the nominations are for adding the spawning and/or rearing designation to existing cataloged stream reaches and Hetta Lake, 2 of the nominations are for new stream designations. The new stream designations are in Eek Lake.

You will note that the nomination packages are signed by Tony Sanderson of Hydaburg Cooperative Association. Mr. Sanderson was the field lead for the project, and is therefore signing as the observer. My role under this collaborative project was to train the field crews, compile the data for various uses, and prepare the nomination packages. Because all of the data resides in my offices in Juneau, if you have questions, need clarification, or need additional information please do not hesitate to contact me at the phone number listed below or at cathy@kaienvironmental.com. Thanks!

Sincerely,

Cathy A. Needham

9000 GLACIER HIGHWAY, SUITE 302, JUNEAU, AK 99801
(907)723-4426 (P); (866)422-4462



add coho salmon rearing/present to 103-25-10090, 103-25-10090-0010, & -0020 & revise 103-25-10090 hydrography north of lake -0020 as indicated
use SEAK_hydro\HD Copy\2006DOQQ1m\craig a-3 NE for imagery, 2014 poly for arc, 2014 working for pt

6 - COr

1 - COr

1 - COr

-2031

-2029

7 - COr

add coho salmon rearing/present to
103-25-10090, 103-25-10090-0010, & -0020 &
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