Appendix: Dry Bay

Guide to direct fieldwork for cataloging anadromous water bodies in Southeast Alaska

Alaska Department of Fish and Game **Division of Habitat**

Symbols and Abbreviations

Survey data codes.

Code	
	Species
K	Chinook salmon
CH	chum salmon
CO	coho salmon
CT	cutthroat trout (anadromous and resident juveniles and adults)
DV	Dolly Varden char
OU	eulachon
S	sockeye salmon
P	pink salmon
RT	rainbow trout (unknown juvenile or resident adult)
SC	sculpin spp.
SH	steelhead trout (adult)
SB	threespine stickleback
LP	lampery
	Lifestage
s	spawning
r	rearing
p	presence
	Sampling
EF	electrofish
VI/VL	visual identification
HN	handnet
RS	route survey
MT	minnow trap
BS	beach seine
FN	fyke net

Map color key.

Action	Color
route correction	ginger pink
addition	apatite blue
future investigation	solar yellow
resident fish	poinsettia red
conveyance	lepidolite lilac
AWC	lapis lazuli

This appendix is a working document updated as new information is acquired. Figures and tables are numbered per water body. Pages numbers are eliminated to prevent document reprinting when individual pages are inserted or removed.

DRY BAY SURVEYS

Dry Bay, a summer fishing community, is located about 50 miles south of Yakutat and is surrounded by the Glacier Bay National Park and Preserve. Rafters floating the Tatshenshini and Alsek Rivers end their journey in Dry Bay (Figure 1).

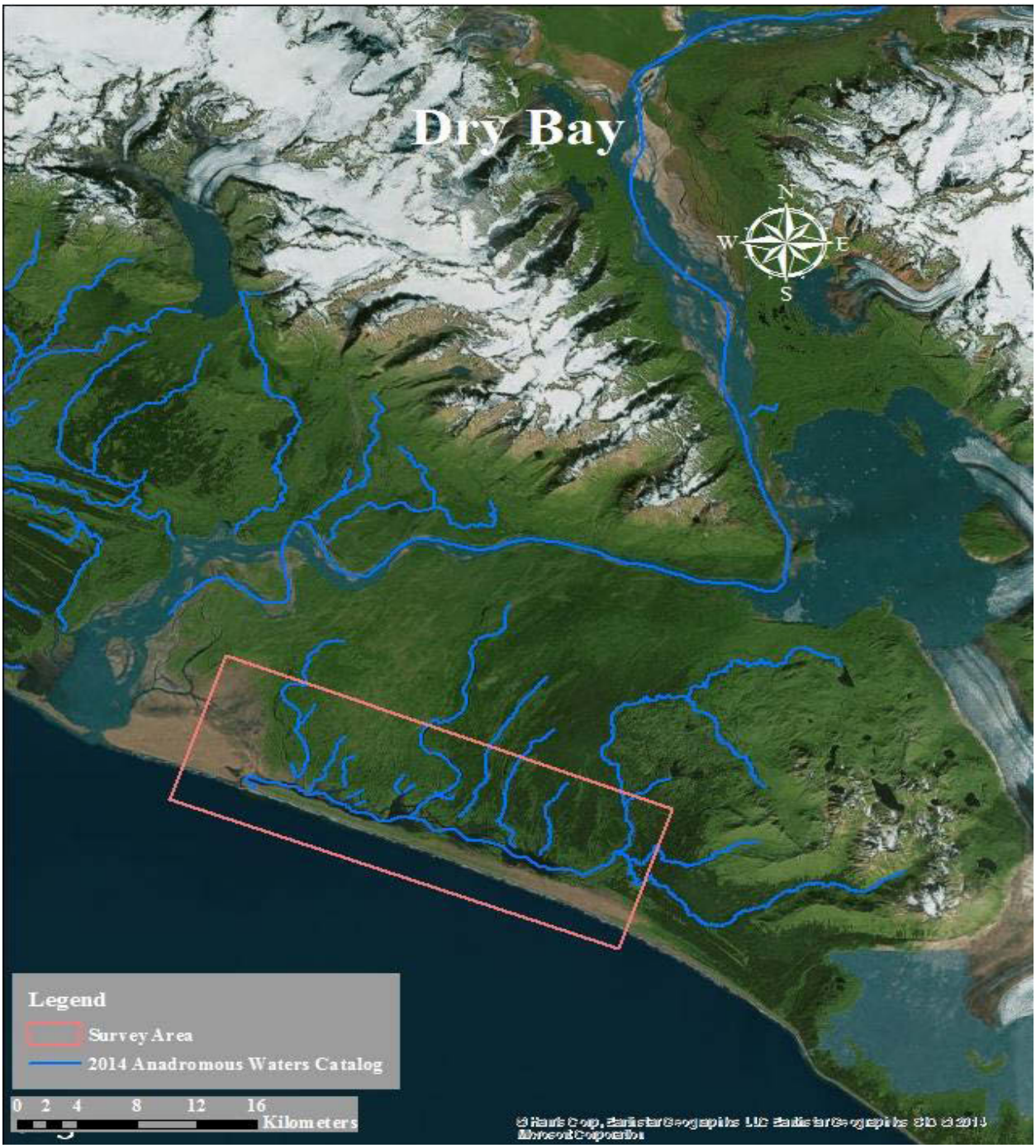

Figure 1.–Dry Bay survey map.

Dry Bay

181-10-10100 CORRECTION

Water body name: Doame River **Survey date:** 9/23/2009
Water body number: 181-10-10100 **Species & Lifestage:** CHp, COp, Kp, Pp, Sp, DVp, OUp
Watershed: Doame River-East Alsek River
MTR: C033S043E**Quad:** Yakutat A-1
Findings: A seismic event repositioned the stream route and it no longer drains into the ocean. It now drains into the East Alsek (Table 1).
Recommendations: Correct stream route (Figure 1).
Nomination: 09-1073

Table 1.–181-10-10100 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
19	59.0917	-138.4137	Doame River confluence with East Alsek.		

Figure 1.–181-10-10100 route correction map.

Dry Bay

182-20-10100 CORRECTION

Water body name: East Alsek River **Survey date:** 9/23/2009
Water body number: 182-20-10100 **Species & Lifestage:** CHp, COp, Kp, Pp, Sp, DVp, OUp
Watershed: Doame River-East Alsek River
MTR: C032S042E**Quad:** Yakutat A-2
Findings: The East Alsek River route is incorrect, the mouth of the river is in a different location (Table 1). The river extends down the coast and is separated from the ocean by a 3 mile sediment berm (Figures 1, 2).
Recommendations: Correct the stream route (Figure 3).
Nomination: 09-1072

Table 1.–182-20-10100 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	59.1064	-138.5192	Outlet of East Alsek River		

Figure 1.–Mouth of the East Alsek River looking upstream, east.

Figure 2.–Mouth of the East Alsek River looking west.

Figure 3.–182-20-10100 route correction map.

Dry Bay

182-20-10100-2001 CORRECTION

Water body name: **Survey date:** 5/26/2010
Water body number: 182-20-10100-2001 **Species & Lifestage:** COr, Sr
Watershed: Doame River-East Alsek River
MTR: C032S042E **Quad:** Yakutat A-2
Findings: The upper extent of anadromy is incorrect (Table 1). The stream extends past a stream crossing (Figure 1).
Recommendations: Correct the upper extent of anadromy (Figure 2).
Nomination: 10-806

Table 1.–182-20-10100-2001 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
12	59.1085	-138.4176	Upper extent of anadromy.	BS	100 CO, 100 S

Figure 1.–Upper extent of anadromy in flooded wetlands, upstream of the Main ATV trail.

Figure 2.–182-20-10100-2001 route correction map.

Dry Bay

182-20-10100-2003 ADDITION

Water body name **Survey date:** 9/23/2009
Water body number: 182-20-10100-2003 **Species & Lifestage:** COr, Sr
Watershed: Doame River-East Alsek River
MTR: C032S043E **Quad:** Yakutat A-2
Findings: Using a beach seine rearing coho and sockeye were captured in an undocumented stream (Table 1). Above the main ATV trail is a flooded wetland area were we only captured threespine stickleback (Figure 1). The upper extent of anadromy was in a marsh/wetland area (Figure 2).
Recommendations: Add stream to the Anadromous Waters Catalog (Figure 3).
Nomination: 10-807

Table 1.–182-20-10100-2003 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
13	59.1022	-138.4170	Lower Extent.		
14	59.1047	-138.4111	Upper Extent.	BS	39 CO, 206 S

Figure 1.–Flooded wetlands upstream of the main ATV trail where we captured only threespine stickleback.

Figure 2.–Upper extent of anadromy.

Figure 3.–182-20-10100-2003 addition map.

Dry Bay

182-20-10100-2008 ADDITION

Water body name **Survey date:** 7/19/2006
Water body number: 182-20-10100-2008 **Species & Lifestage:** COr,Sr
Watershed: Doame River-East Alsek River
MTR: C032S042E **Quad:** Yakutat A-2
Findings: Using minnow traps rearing coho and sockeye were captured in an undocumented stream and lake (Table 1). At the headwaters is a lake, provides good rearing habitat (Figure 1).
Recommendations: Add stream and lake to the Anadromous Waters Catalog (Figure 2).
Nomination: 06-511

Table 1.–182-20-10100-2008 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
17	59.1013	-138.3931	Lower Extent.		
18	59.1044	-138.3843	Upper Extent and Lake.	MT	16 CO, 1 S

Figure 1.–Looking downstream at lake outlet.

Figure 2.–182-20-10100-2008 addition map.

Dry Bay

182-20-10260 ADDITION

Water body name **Survey date:** 5/27/2010
Water body number: 182-20-10260 **Species & Lifestage:** COr, Sr
Watershed: Doame River-East Alsek River
MTR: C032S042E **Quad:** Yakutat A-2
Findings: Using a beach seine and hand nets rearing coho and sockeye were captured in an undocumented stream and lake (Table 1). Stream goes through a marshy wetland area before ending at a lake that is the upper extent (Figure 1).
Recommendations: Add stream and lake to the Anadromous Waters Catalog (Figure 2).
Nomination: 10-805

Table 1.–182-20-10260 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
10	59.0979	-138.4465	Lower Extent.	HN	2 CO
11	59.0990	-138.4415	Upper Extent and Lake.	BS	11 S

Figure 1.–Looking upstream towards lake.

Figure 2.–182-20-10260 addition map.

Dry Bay

182-20-10280 ADDITION

Water body name **Survey date:** 5/27/2010
Water body number: 182-20-10280 **Species & Lifestage:** COr, Sr
Watershed: Doame River-East Alsek River
MTR: C032S041E **Quad:** Yakutat A-2
Findings: Using a beach seine rearing coho and sockeye were captured in an undocumented stream and lake (Table 1). Leading up to the lake is a marshy wetland area that is made of muddy substrate and grasses (Figure 1).
Recommendations: Add stream and lake to the Anadromous Waters Catalog (Figure 2).
Nomination: 10-804

Table 1.–182-20-10280 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
8	59.1027	-138.4420	Lower Extent.	BS	
9	59.1004	-138.4506	Upper Extent and Lake.	BS	10 CO, 8 S
20	59.1016	-138.4461	Lake.	BS	21 CO, 8 S

Figure 1.–Looking up outlet channel towards lake.

Figure 2.–182-20-10280 addition map.

Dry Bay

182-20-10300 CORRECTION

Water body name: Bear Creek **Survey date:** 5/27/2010
Water body number: 182-20-10300 **Species & Lifestage:** CHs, COr, Ssr
Watershed: Doame River-East Alsek River
MTR: C032S041E **Quad:** Yakutat A-2
Findings: We sampled the upper extent of the stream using a handnet (Table 1). We found that the upper extent of anadromy is incorrect. The stream ends at a headwater upwelling. For the whole stream there is very little gravel substrate, but the area is marshy and provides good rearing habitat (Figures 1, 2).
Recommendations: Reduce the extent of anadromy and add coho and sockeye salmon rearing (Figure 3).
Nomination: 10-803

Table 1.–182-20-10300 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
7	59.1156	-138.4470	Upper extent of anadromy.	HN	CO, S

Figure 1.–Lower portion of Bear Creek.

Figure 2.–Upper reach of Bear Creek.

Figure 3.–182-20-10300 route correction map.

Dry Bay

182-20-10400 ADDITION

Water body name: Hazel Creek **Survey date:** 5/28/2009
Water body number: 182-20-10400 **Species & Lifestage:** COr, Sr
Watershed: Doame River-East Alsek River
MTR: C032S041E **Quad:** Yakutat A-2
Findings: We used minnow traps and captured coho juvenile salmon in an undocumented stream (Table 1). The lower portion of 182-20-10400 is wide and flooded (Figure 1).
Recommendations: Add stream to the Anadromous Waters Catalog (Figure 2).
Nomination: 09-1074

Table 1.–182-20-10400 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
5	59.1028	-138.4733	Lower Extent.	BS	CO, S
6	59.1218	-138.4733	Upper Extent.	VL	50 CO

Figure 1.–Lower Hazel Creek.

Figure 2.–182-20-10400 addition map.

Dry Bay

182-20-10500-2010 ADDITION

Water body name: **Survey date:** 5/28/2009
Water body number: 182-20-10500-2010 **Species & Lifestage:** COr
Watershed: Doame River-East Alsek River
MTR: C032S041E**Quad:** Yakutat A-2
Findings: We used a beach seine and captured rearing coho and sockeye salmon in an undocumented stream (Table 1).
Recommendations: Add stream to the Anadromous Waters Catalog (Figure 1).
Nomination: 09-1049

Table 1.–182-20-10500-2010 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
3	59.1270	-138.4791	Lower extent.	MT	17 CO
4	59.1047	-138.4111	Upper extent.	VL	36 CO

Figure 1.–182-20-10500-2010 addition map.

Dry Bay

182-20-10600 ADDITION

Water body name: **Survey date:** 7/19/2006
Water body number: 182-20-10600 **Species & Lifestage:** COr, Sr
Watershed: Doame River-East Alsek River
MTR: C032S041E **Quad:** Yakutat A-2
Findings: We used a beach seine and captured rearing coho and sockeye salmon in an undocumented stream (Table 1). Looking down from the ATV trail you can see the stream meanders through a marshy area (Figure 1).
Recommendations: Add stream to the Anadromous Waters Catalog (Figure 2).
Nomination: 06-300

Table 1.–182-20-10600 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
2	59.1125	-138.4850	Upper extent.	BS	60 CO, 2 S

Figure 1.–Looking downstream from the ATV trail crossing.

Figure 2.–182-20-10600 addition map.

Dry Bay