

Sea Otter Monitoring 2019

Date: 10 July 2019
 Pilot: Dennis Wozier
 Observer: Lou Taylor-Thomas

Transect Type: Random / Optimal / Abundance
 Tail Number: N02353
 Crew: Jamie Womack
 Camera card: #1

Flight Information:

Take Off: 1300

Landing: 1650

check in @ 1255
 1 @ 1355
 2 @ 1456
 3 @ 1600
 4 @

Weather:

Cloud Cover: GL(Clear) PC(Partly Cloudy) HO (High Overcast) LO(Low Overcast)

Precip: NO(None) FG(Fog) DR(Drizzle) LR(Light Rain) HR(Hard Rain)

Visibility: <500m <1km <10km >10km

Wind Speed/Direction: _____ kts/ 60°F Temp:

Comments:	Check-ins:
• lots of smoke and dust in the air Inu-open flight plan	1255
from numerous wildfires around the state	check in 1 1355
	check in 2 1456
• Lou running the camera, Jamie in the front seat	3 1600
	close flight plan 4 1650
• track logs cleared on both GPS units prior to first transect	
• Altimeter calibrated over Gustavus forelands at 700ft	

1-70 25-95

Transect:	Area	Side	Point	Notes	Start/End:
39	Wachusett Inlet	W E	101 102		
40	East Arm	W E	103 104		
41	East Arm	E W	105 106		
~~***~~ 42	Adams Inlet	W E	107 108	Modified transect to mid-channel	1608/1613
43	Adams Inlet	E W	109 110	Transect on land	

*** Adams - mid-channel
transect south to
north

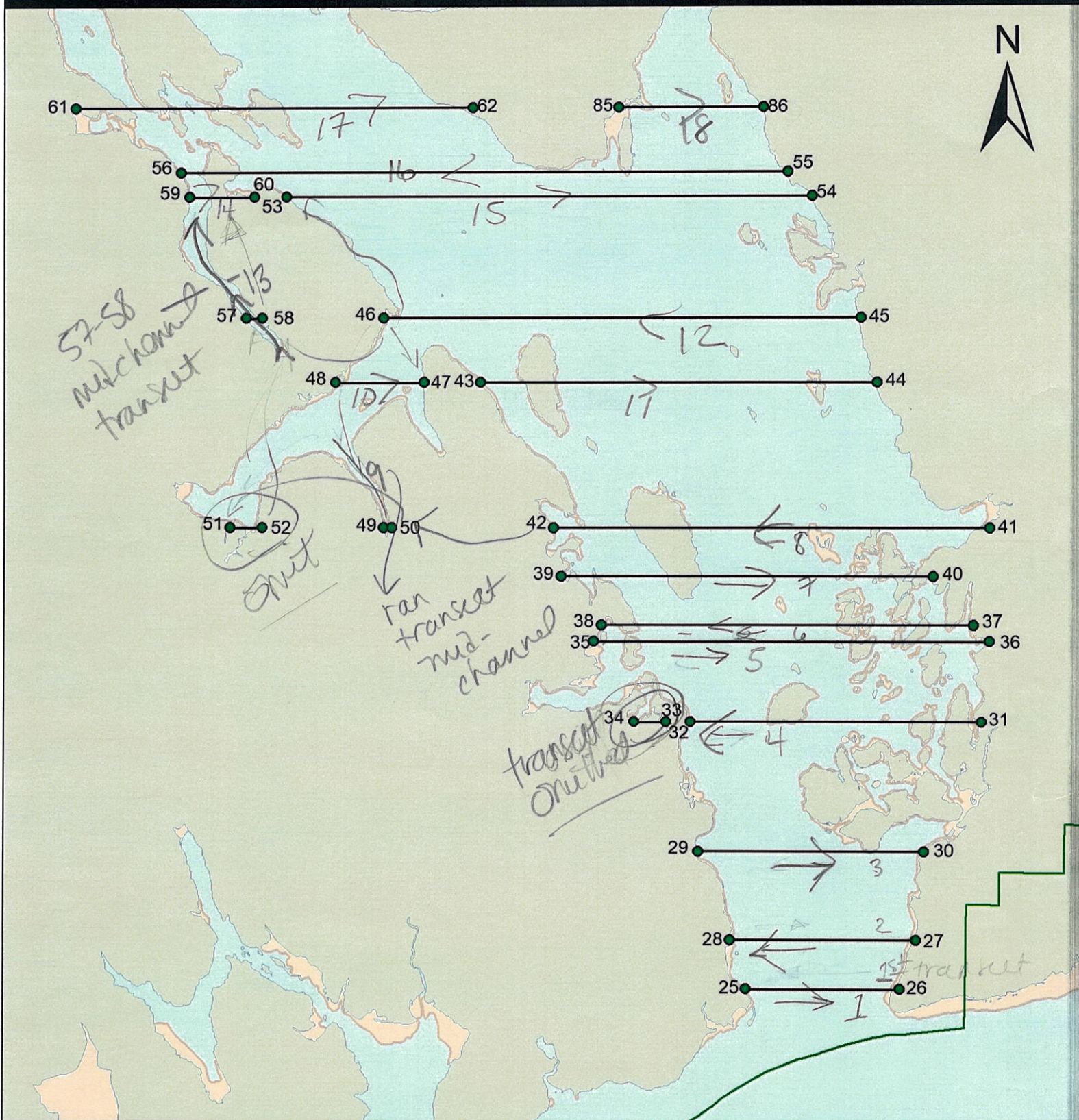
as ~~per~~ transects are
too short and not
over water

~~400~~ Adams Inlet was lost

• transect

End 1618 in Adams Inlet

- JSA



● 2019 Random Survey Points

Land

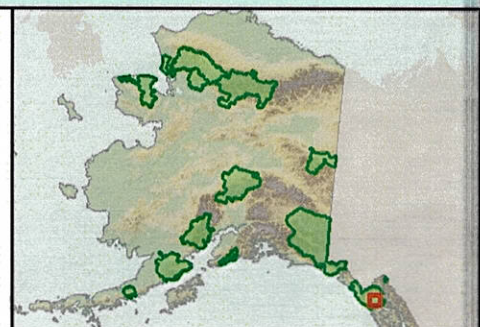
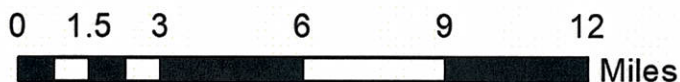
Tidelands

Water

— Mean Lower Low

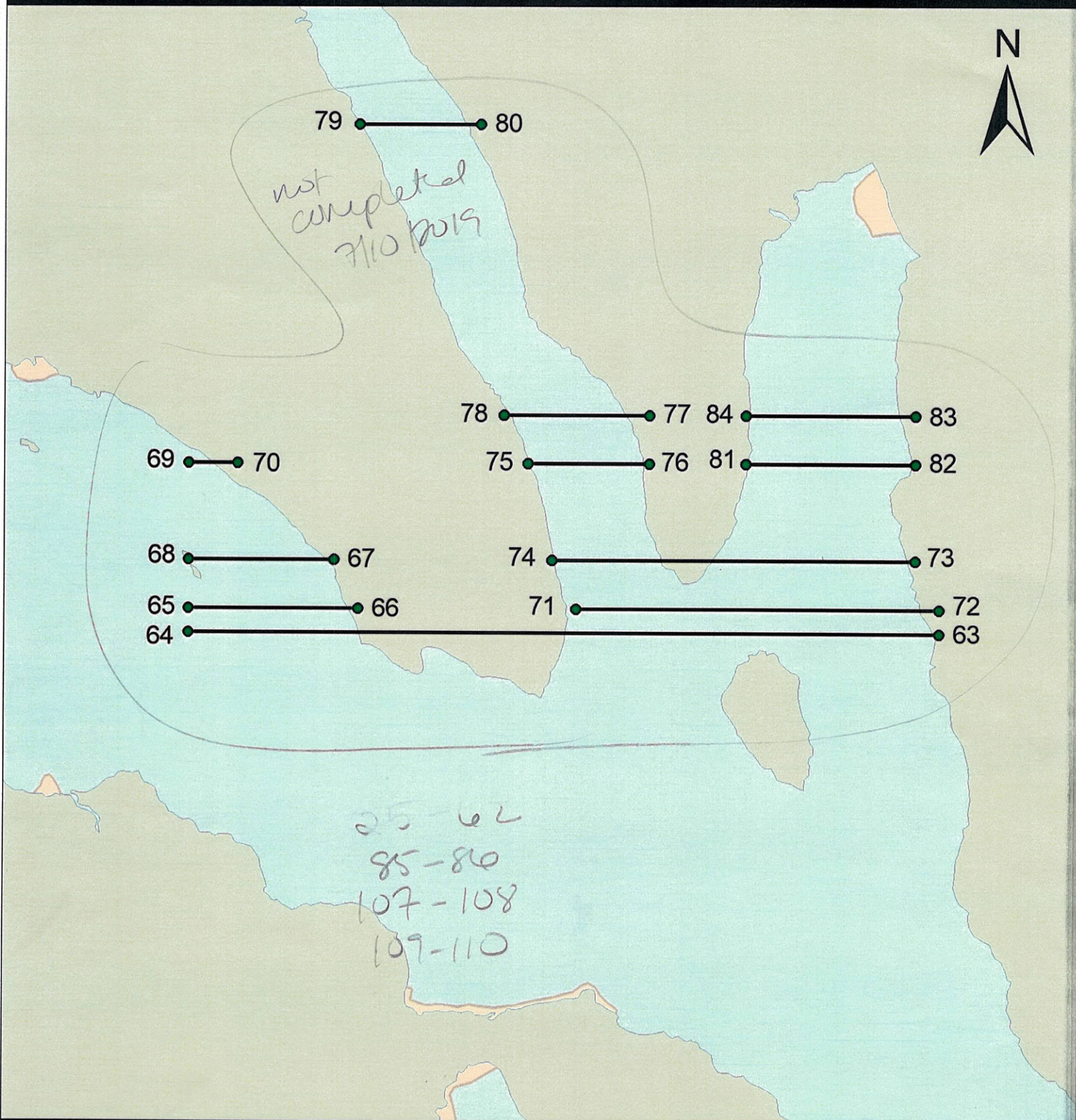
— Mean Sea Level

Glacier Bay National Park & Preserve



2019 Sea Otter Surveys Random Transects- West Arm Detail

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National Park Service
U.S. Department of the Interior



● 2019 Random Survey Points

Land

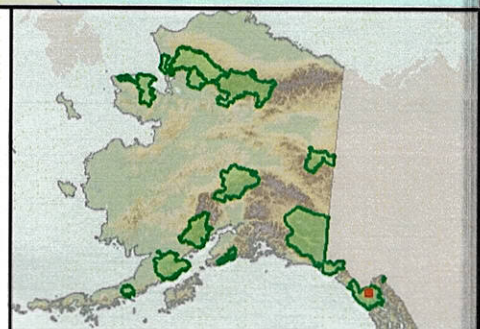
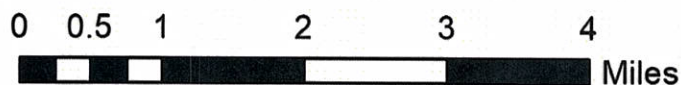
Tidelands

Water

— Mean Lower Low

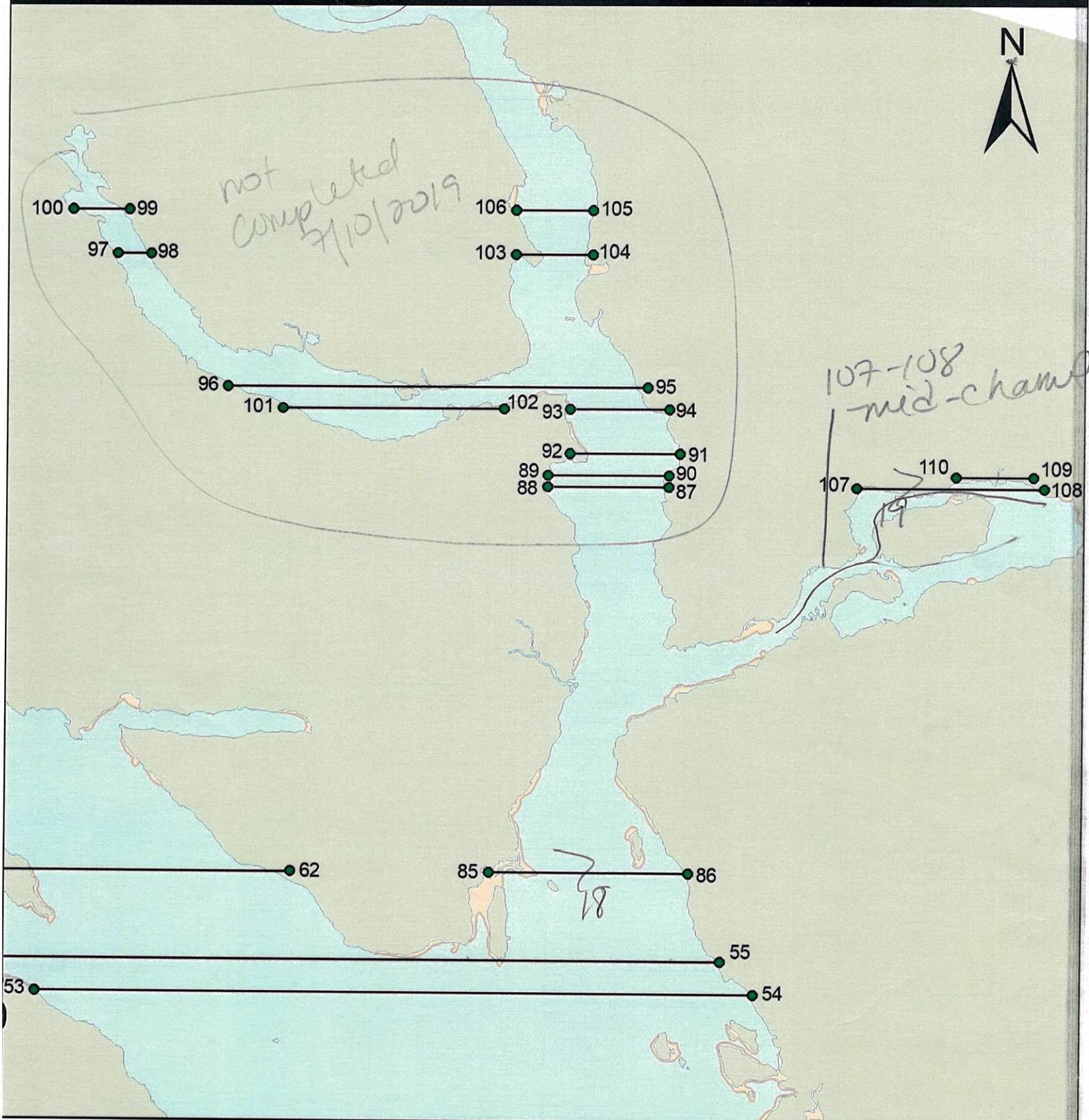
— Mean Sea Level

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2019 Sea Otter Surveys Random Transects- East Arm Detail

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● 2019 Random Survey Points

Land

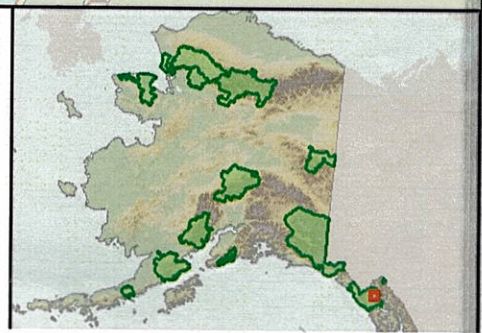
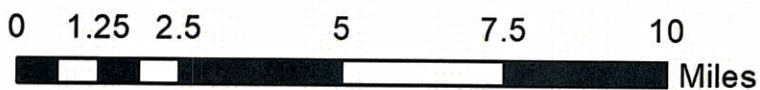
Tidelands

Water

— Mean Lower Low

— Mean Sea Level

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Survey #2
Abundance

Sea Otter Monitoring 2019

Date: 12 July 2019
Pilot: Dennis Lozier
Observer: Lou Taylor-Thomas

Transect Type: Random / Optimal / Abundance

Tail Number: N02353

Crew: Janie Womble

Camera card: 2 / Abundance Survey

Flight Information:

Take Off: 1330

Landing:

Weather:

Cloud Cover: CL(Clear) PC(Partly Cloudy) HO (High Overcast) LO(Low Overcast)

Precip: NO(None) FG(Fog) DR(Drizzle) LR(Light Rain) HR(Hard Rain)

Visibility: <500m <1km <10km >10km

Wind Speed/Direction: _____ kts/ 53°F Temp:

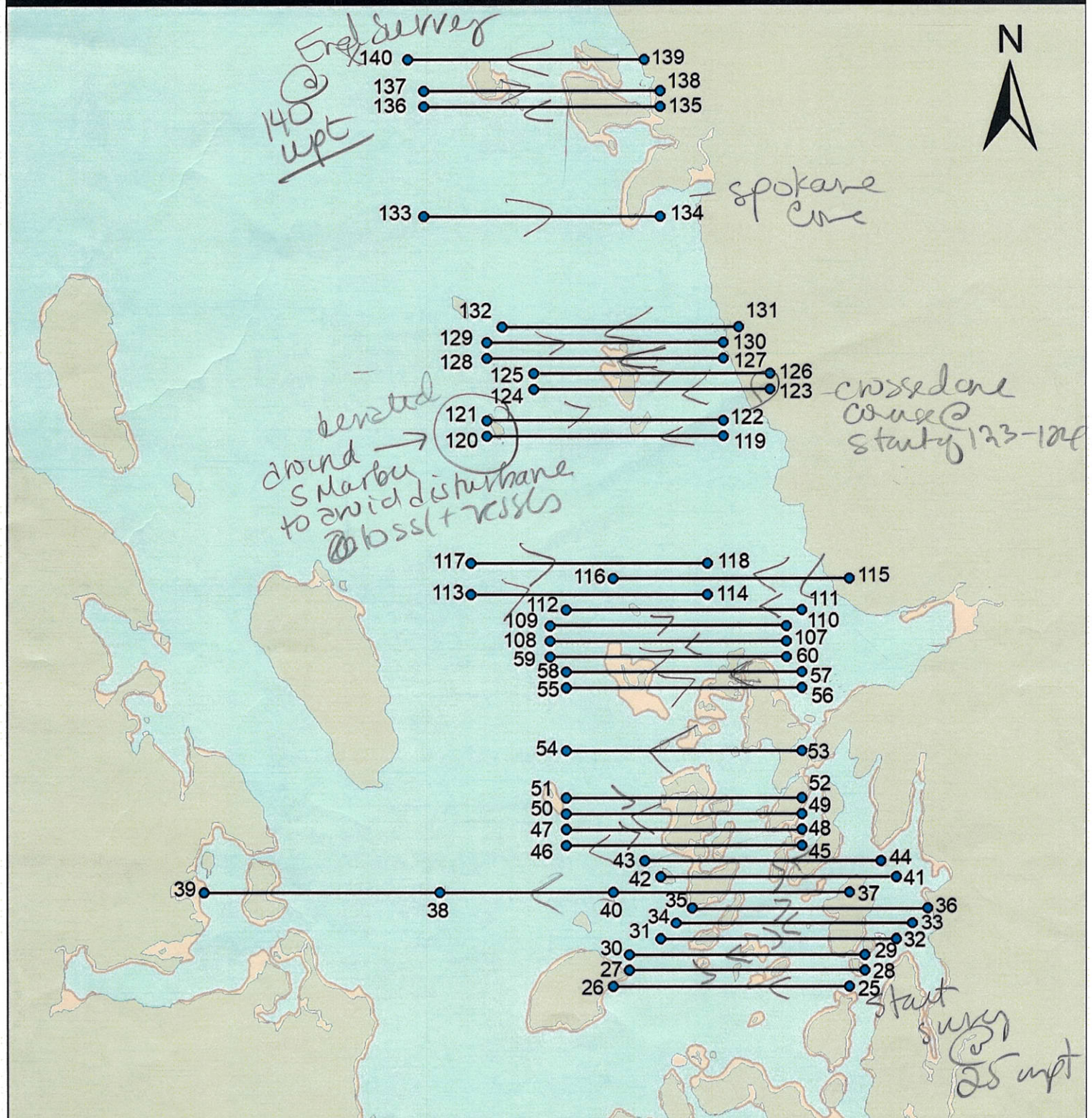
Variable 4-28 kts @ SW

Comments:	Check-ins:
- took a shot at this survey on 7/11	open flight plan 1320
but turned around at conversion	check in 1 1416
after getting a weather report of	check in 2 1517
1/2 mile visibility	ch 3 1616
	close flight plan 4 1708

Transect:	Area	Side	Point	Notes	Start/End:
1	Beardslee Islands	E W	25 26	Calm conditions, very nice	1400/1402
2	Beardslee Islands	W E	27 28		1404/1406
3	Beardslee Islands	E W	29 30		1409/1411
4	Beardslee Islands	W E	31 32		1413/1416
5	Beardslee Islands	E W	33 34		1417/1419
6	Beardslee Islands	W E	35 36		1420/1423
7	Beardslee Islands	E W	37 38	only transect that goes across bay	1425/2
8	Beardslee Islands	W E	39 40	these 2 transects are	1430
9	Beardslee Islands	E W	41 42		1436/1438
10	Beardslee Islands	W E	43 44		1440/1442
11	Beardslee Islands	E W	45 46		1447/1450
12	Beardslee Islands	E W	47 48		1451/1453
13	Beardslee Islands	W E	49 50	over Boulder group ^{but} adjacent	1455/1457
14	Beardslee Islands	E W	51 52	again adjacent to Boulder group	1459/1501
15	Beardslee Islands	W E	53 54	camera battery still at 100%	1502/1504
16	Beardslee Islands	E W	55 56	over seals on Flapjack	1506/1508
17	Beardslee Islands	W E	57 58	Calm	1510/1512
18	Beardslee Islands	W E	59 60		1515/1517

2019 Sea Otter Surveys Abundance Transects

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● 2019 Optimal Transect Points

Land

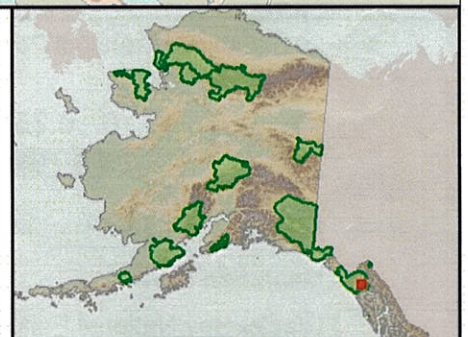
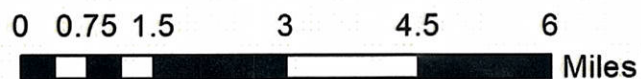
Tidelands

Water

— Mean Lower Low

— Mean Sea Level

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Sea Otter Monitoring 2019

Date: 8/1/2019
 Pilot: Dennis Lopez
 Observer: Lou Taylor-Thomas

Transect Type: Random / Optimal / Abundance
 Tail Number: N62353
 Crew: Jamie Womble
 Camera card: 3 "2018-1"

Flight Information:

Take Off: 0820

Landing: 12:15

Weather:

Cloud Cover: CL(Clear) PC(Partly Cloudy) HO (High Overcast) LO(Low Overcast)

Precip: NO(None) FG(Fog) DR(Drizzle) LR(Light Rain) HR(Hard Rain)

Visibility: <500m <1km <10km >10km

Wind Speed/Direction: Variable kts/ calm up to 18kt Temp: 51 F

Comments:	Check-ins:
Started transects in Jay Strait but then	
→ Fog in some of lower bay at beginning of survey	open 0820
so we moved north to to	CL 0922
Fingers to start transects where	2 1007
advising was higher and then	3 1109
returned to lower bay at the	4
end of the survey before heading	
back to Juneau	

test photos, altimeter calibration over
Pleasant Island shoreline

lots of sealions foraging

Start/End: order

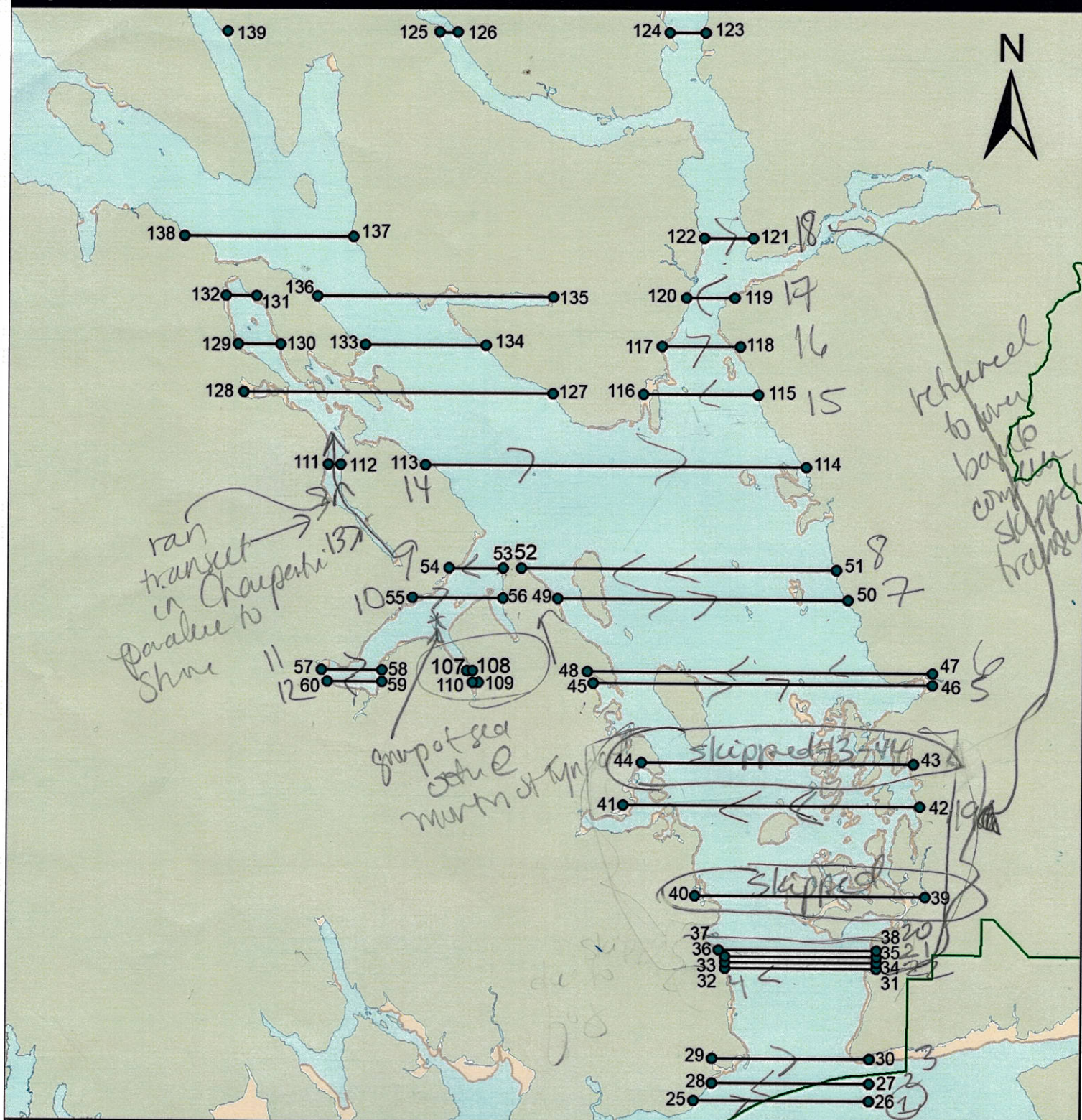
Transect:	Area	Side	Point	Notes	Start/End:	order
1	Mouth of Glacier Bay	W	25		0903/0907	1
		E	26	calm - Iny Strait		
2	Mouth of Glacier Bay	E	27		0909/0910	2
		W	28			
3	Mouth of Glacier Bay	W	29		0915/0919	3
		E	30			
4	Bartlett Cove	E	31		0924/0925	4
		W	32	some light fog below		
5	Bartlett Cove	W	33	calm;	1143/1146	22
		E	34	last transect		
6	Bartlett Cove	E	35		1139/1142	21
		W	36	calm		
7	Bartlett Cove	W	37		1134/1137	20
		E	38	calm		
* 8	Bartlett River/Sitakaday	E	39	* Stopped *		
		W	40			
9	Fingers/Beardslees	W	41		1122/1129	19
		E	42	calm		
* 10	Fingers/Beardslees	E	43	* Stopped *		
		W	44			
11	Berg/Beartrack	W	45	Stopped camera on middle	0934/0941	5
		E	46	all we next on transect		
12	Berg/Beartrack	E	47	some light rain	0943/0952	4
		W	48			
13	Drake/Marble/Leland	W	49		0954/1000	7
		E	50			
14	Drake/Marble/Leland	E	51		1003/1010	8
		W	52	on island		
15	Geikie Inlet	E	53		1013/1013	C
		W	54			
16	Geikie Inlet	W	55		1017/1019	10
		E	56			
17	Geikie Inlet	W	57	a pair of	1025/1026	11
		E	58	whales in back of Guli		
18	Geikie Inlet	E	59		1028/1029	12
		W	60			

22 total transects today!
ended @ ~1146 @
mouth of Bartlett Cove.

Transect:	Area	Side	Point	Notes	Start/End:
19	Geikie Inlet	W E	107 108	skipped (too narrow)	
20	Geikie Inlet	E W	109 110	skipped (too narrow)	
21	Charpentier Inlet	W E	111 112	Ran transect parallel to Shurey's Chapel	1054/1036 13
22	Lone Island/North Sandy	W E	113 114		1039/1047 14
23	East Arm	E W	115 116	tricky start at Mt. Wright	1058/1055 15
24	East Arm	W E	117 118		1058/1054 16
25	East Arm	E W	119 120		1101/1102 17
26	East Arm	E W	121 122		1107/1108 18
27	East Arm	E W	123 124		
28	East Arm	W E	125 126		
29	West Arm	E W	127 128		
30	Scidmore Bay	W E	129 130		
31	Scidmore Bay	E W	131 132		
32	West Arm	W E	133 134		
33	Tidal Inlet/West Arm	E W	135 136		
34	West Arm	E W	137 138		
35	West Arm	E	139		

2019 Sea Otter Surveys Optimal Transects

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● 2019 Optimal Survey Points

Land

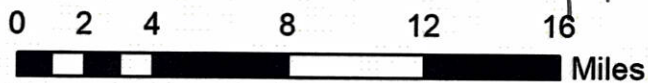
Tidelands

Water

Mean Lower Low

Mean Sea Level

Glacier Bay National Park & Preserve



8/1/2019

