Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

Region: SOUTHCENTRAL ⬇ | USGS Quad: Cordova B 8, B7

Anadromous Water Catalog Number of Waterway: 228-50-18190 & 2050

Name of Waterway: Shelter Bay ☑ USGS Name ☐ Local Nam

☐ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination # 99 071			4/3/00
Revision Year:	Regional Supervisor		Date
Revision to: Atlas ____ Catalog ____ Both X	AWC Project Biologist		2/8/00 Date
Revision Code: B-1 A-2	Drafted		5/3/00 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
CT	4/23/96			No	☑
CO	9/3/96	✓		✓	☑
DV	9/3/96 - 8/27/97			✓ 40	☑
CO	8/27/97			Caught Adults	☑
CT	7/12/96		Resident	30	☐

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: Lake on quad Cordova B 7 appears to be a Barrier on lake as no coho were found in lake & Cutthroat were small and looked like resident fish.

ALASKA DEPT. OF FISH & GAME
SEP 11 1998
REGION II
HABITAT AND RESTORATION DIVISION

Name of Observer (please print): Merlyn Schelske

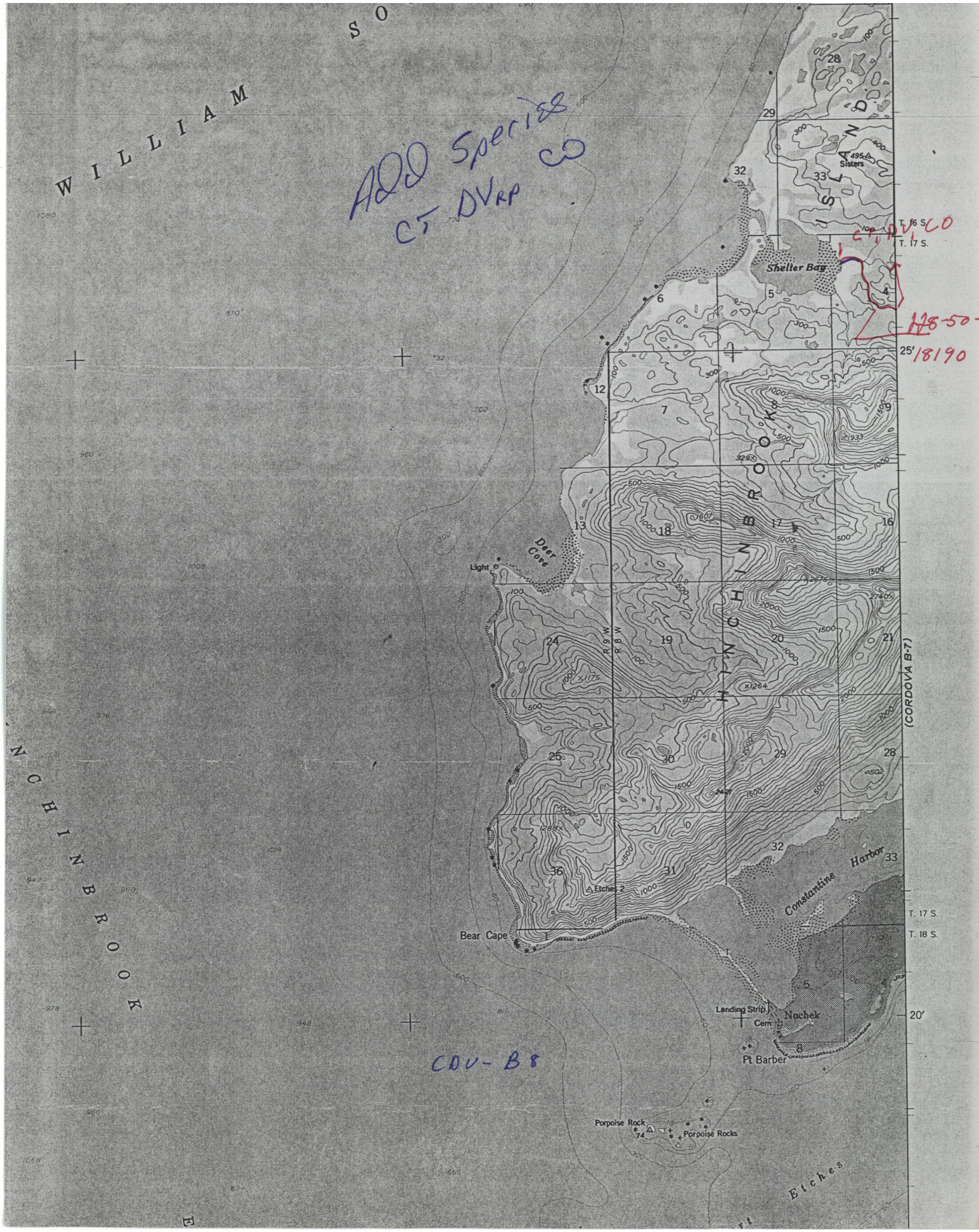
Date: ___ ___ Signature: Merlyn Schelske

Address: P.O. Box 780
Cordova, AK 99574

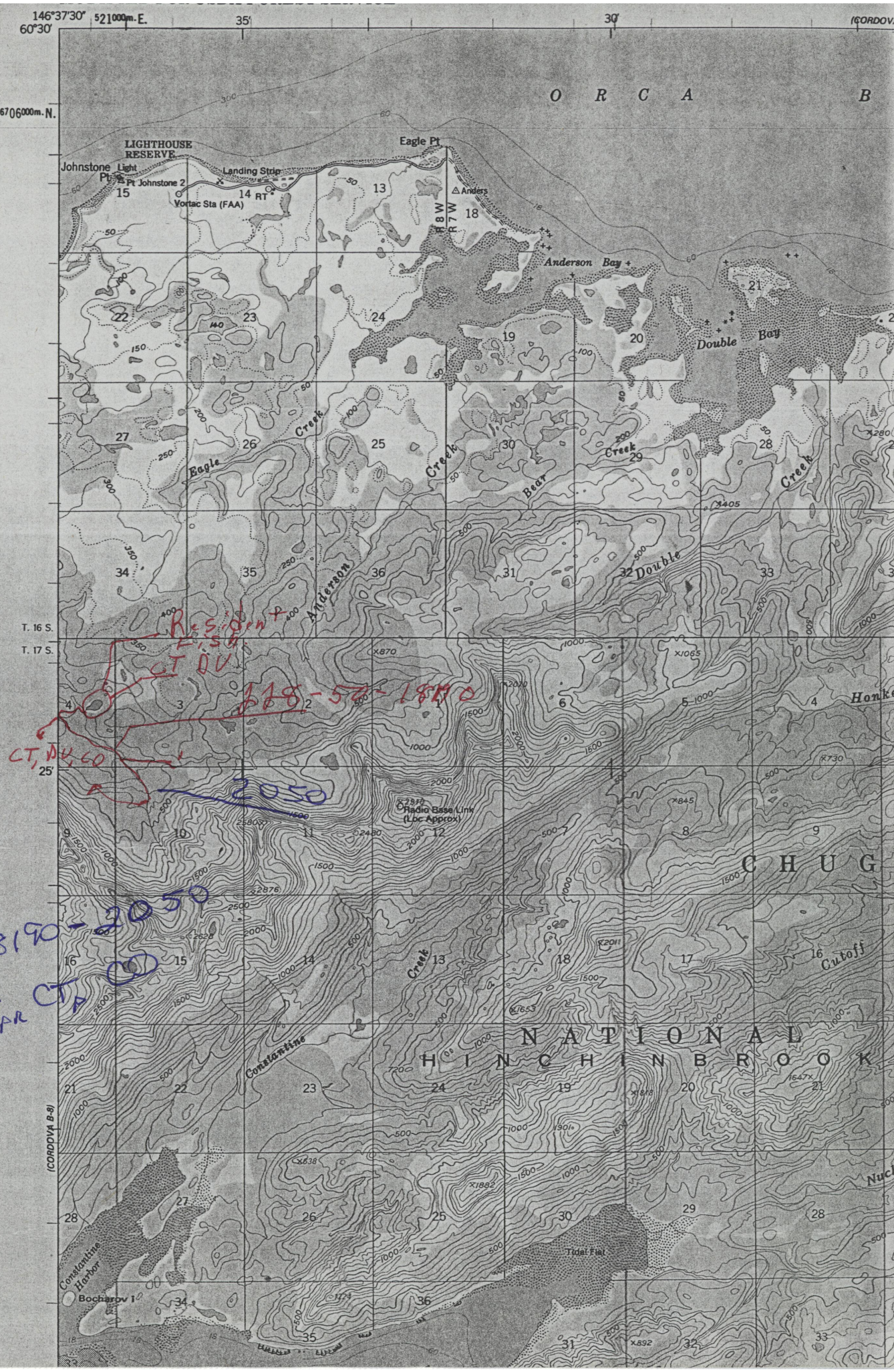
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: [signature]

Revision 11/96



WILLIAM SO
ADD Species
CT DVRP CO
CT, DV, CO
H8-50-
18190
Sisters
Shelter Bay
T. 16 S.
T. 17 S.
25'
Deer Cove
Light
HINCHINBROOK
R 9 W
R 8 W
(CORDOVA B-7)
Constantine Harbor
Etches 2
Bear Cape
T. 17 S.
T. 18 S.
Landing Strip
Cem
Nuchek
20'
Pt Barber
CDV-B8
Porpoise Rock
Porpoise Rocks
Etches
NCHINBROOK


146°37'30"
60°30'
521000m. E.
35'
30'
(CORDOVA
6706000m. N.
O R C A B
LIGHTHOUSE RESERVE
Johnstone Pt
Light
Pt Johnstone 2
Landing Strip
Vortac Sta (FAA)
RT
Eagle Pt
Anders
R 8 W
R 7 W
Anderson Bay
Double Bay
Eagle Creek
Anderson Creek
Bear Creek
Double Creek
T. 16 S.
T. 17 S.
25'
Resident Fish
CT DV
228-50-18190
CT, DV, CO
2050
Radio Base Link (Loc Approx)
Honke
C H U G
Cutoff
N A T I O N A L
H I N C H I N B R O O K
Constantine Creek
Constantine Harbor
Bocharov 1
Tidal Flat
(CORDOVA B-8)
ADD TRIBUTARY
228-50-18190-2050
w/ ΔV PR CT P
Arc# 4424

Site: Shelter Bay, Hinchinbrook Island
Target species: Cutthroat trout
Latitude Logitude: NA

Date: 4/23/96
Collection: No collection made

Notes: Water temperature 4° C. Observed no fish. Ice on lake.

Date: 7/11/96
Collection: 20 cutthroat trout
Mean size: 312 mm

Notes: Hook and line sampling effective in tidewater. Observed pink salmon, sculpin, Dolly Varden in addition to cutthroat.

Cutthroat Trout sample July 1996	
Fork length(mm)	Weight (g)
342	364.4
344	413
295	232
343	390
318	251
235	127
342	300
333	321
345	412
268	223
292	243
328	337
337	258
296	218
245	114
292	267
321	226
351	333
333	231
293	170

Site: Shelter Bay, Hinchinbrook Island
Target species: Dolly Varden
Latitude Longitude: NA

Date: 9/3/96
Collection: 40 Dolly Varden

Dolly Varden Sample Sept 1996	
Fork length(mm)	Weight (g)
420	838
387	564
390	581
442	928
386	618
420	671
387	618
408	868
380	647
380	668
380	649
474	1237
395	642
450	1257
126	20
74	4
72	4
63	2
63	2
97	10

Dolly Varden Sample cont'd	
Fork length(mm)	Weight (g)
103	12
79	5
89	7
65	2
101	11
104	12
60	1
72	3
107	11
75	3
66	2
70	3
57	1
62	2
75	3
51	NA
59	2
55	NA
75	4
73	3

PWS cutthroat data 1997

Target Species: Cutthroat trout	ForkLength	Weight	Method of Capture
Date of capture:7/11/97, 7/16/97	(mm)	(g)	
Site: Shelter Bay, below barrier	378	570	Hook and line
	340	478	Hook and line
Summary: 20 total capture	368	465	Hook and line
	370	528	Hook and line
Notes: Captured fish with hook and line at lagoon	365	523	Hook and line
outlet.	375	497	Hook and line
	343	428	Hook and line
	390	594	Hook and line
	290	263	Hook and line
	255	166	Hook and line
	265	192	Hook and line
	321	391	Hook and line
	318	331	Hook and line
	306	275	Hook and line
	302	366	Hook and line
	329	420	Hook and line
	321	429	Hook and line
	351	505	Hook and line
	280	187	Hook and line
	300	281	Hook and line

Target Species:Dolly Varden
Date of capture: 8-27-97
Site:Shelter Bay below,
Hinchinbrook Island

Notes: Hook and line successful for large individuals at inlet to lagoon.
Overnight traps set in woody debris near braided channels.

Summary: 47 Dolly Varden

Length FL (MM)	Weight (g)	MOC	Length FL (MM)	Weight (g)	MOC
350	582	Hook and line	81	5	trap
363	589	Hook and line	68	3	trap
327	427	Hook and line	69	3.5	trap
343	469	Hook and line	68	2.5	trap
419	840	Hook and line	75	4.5	trap
347	614.5	Hook and line	46	1	trap
330	435	Hook and line	78	4.5	trap
340	497	Hook and line	46	1	trap
322	407	Hook and line	42	0.5	trap
375	667.5	Hook and line	51	1.5	trap
318	397	Hook and line			
350	527	Hook and line			
352	541	Hook and line			
331	475	Hook and line			
342	495	Hook and line			
338	454	Hook and line			
330	402	Hook and line			
381	669	Hook and line			
360	496	Hook and line			
428	866	Hook and line			
459	1065.5	Hook and line			
371	566.5	Hook and line			
402	779	Hook and line			
419	965	Hook and line			
429	955	Hook and line			
43	0.5	trap			
45	1	trap			
65	2.5	trap			
104	14	trap			
89	7	trap			
74	3.5	trap			
125	25	trap			
74	3.5	trap			
67	2.5	trap			
84	6.5	trap			
44	1	trap			
69	3.5	trap			

Target Species:Dolly Varden	Length	Weight	MOC			
Date of capture: 8-27-97	FL (MM)	(g)				
Site:Shelter Bay, above barrier	137	22	trap			
Hinchinbrook Island	121	18	trap			
	138	20	trap			
	119	17.5	trap			
Summary: 29 Dolly Varden	124	21	trap			
	118	17.5	trap			
	129	19	trap			
	79	5.5	trap			
	148	28	trap			
	128	19	trap			
	136	26.5	trap			
	125	18	trap			
	124	20.5	trap			
	123	20	trap			
	135	24.5	trap			
	97	10.5	trap			
	111	16	trap			
	142	30.5	trap			
	130	23	trap			
	146	29.5	trap			
	141	26.5	trap			
	130	25	trap			
	110	12.5	trap			
	144	28	trap			
	99	9.5	trap			
	135	25	trap			
	147	29.5	trap			
	130	25	trap			
	144	32	trap			

Site: Shelter Bay, Lake, Hinchinbrook Island
Target species: Cutthroat trout
Latitude Logitude: N 60° 25.394, W146° 37.242

Date: 7/12/96
Collection: 30 resident cutthroat
Mean Size: 167 mm

Notes: Traps and hook line effective for sampling.

Cutthroat Trout sample July 1996	
Fork length(mm)	Weight (g)
121	17.8
233	110
123	14.2
183	55.4
180	59.2
148	34.6
191	59.8
212	80.5
186	51.2
162	34
119	18.5
154	25.9
141	24.2
146	24
184	40
165	23.8
153	17
138	21.4
252	122
147	36.8
182	58
235	118
144	30
142	24
138	24.3
180	55.5
166	37
170	42.8
168	41.2
151	33.5

PWS cutthroat data 1997

Target Species: Cutthroat trout Date of capture:7/12/97	ForkLength (mm)	Weight (g)	Method of Capture
Site: Shelter Bay, above barrier	248	144	Hook and line
	200	83	Hook and line
Summary: 20 total capture	245	142	Hook and line
	179	56	Hook and line
	192	67	Hook and line
	230	113	Hook and line
	170	56	Hook and line
	169	49	Hook and line
	156	36	Hook and line
	128	21	Hook and line
	190	74	Hook and line
	199	80	Hook and line
	222	111	Hook and line
	133	25.5	Hook and line
	234	13.8	Hook and line
	180	58	Hook and line
	145	30	Hook and line
	143	20.5	Hook and line
	176	50.5	Hook and line
	176	47	Hook and line