

Region **SOUTHEAST**

USGS Quad **Skagway A-2 NE**

Anadromous Water Catalog Number of Waterway **115-32-10300-2006 - 3030**

Name of Waterway USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>98 181</u>	<u>Tommy Sanders</u>	<u>10-31-97</u>
Revision Year:	<u>98</u>	Regional Supervisor	Date
Revision to:	Atlas _____ Catalog _____	<u>Ed Wain</u>	<u>11/17/97</u>
	Both <u>X</u>	AWC Project Biologist	Date
Revision Code:	<u>AFZ</u>	_____	_____
	<u>412</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
<u>Coho Salmon</u>	<u>6-19-97</u>		<u>1</u>		<input checked="" type="checkbox"/>
<u>Dolly Varden Char</u>	<u>6-19-97</u>		<u>1</u>		<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<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: Baited minnow traps were set in conjunction with DOT repaving and culvert replacement activities in 1998. This tributary has been channelized in the past, the culvert under the highway is severely perched causing a fish block. This perched culvert also likely affects surface flows as material has been deposited on the uphill side causing low flows to go subsurface. There appears to be reasonable fish habitat above the highway, once the culvert is replaced it will be determined if fish utilize this new available habitat. Below the highway there is a gravel substrate, 1' to 3' wide, with less than 3% gradient and overhanging alder providing cover, shade and nutrients. Water body location was determined to extent possible using 1995 airphotos, latest anadromous fishes atlas, and foot survey.

ALASKA DEPT. OF
FISH & GAME

Name of Observer (please print) Michael Gaede - Fisheries Biologist

Date: 10/27/97 Signature: NOV 05 1997

Address: ADF&G Sport Fish Division

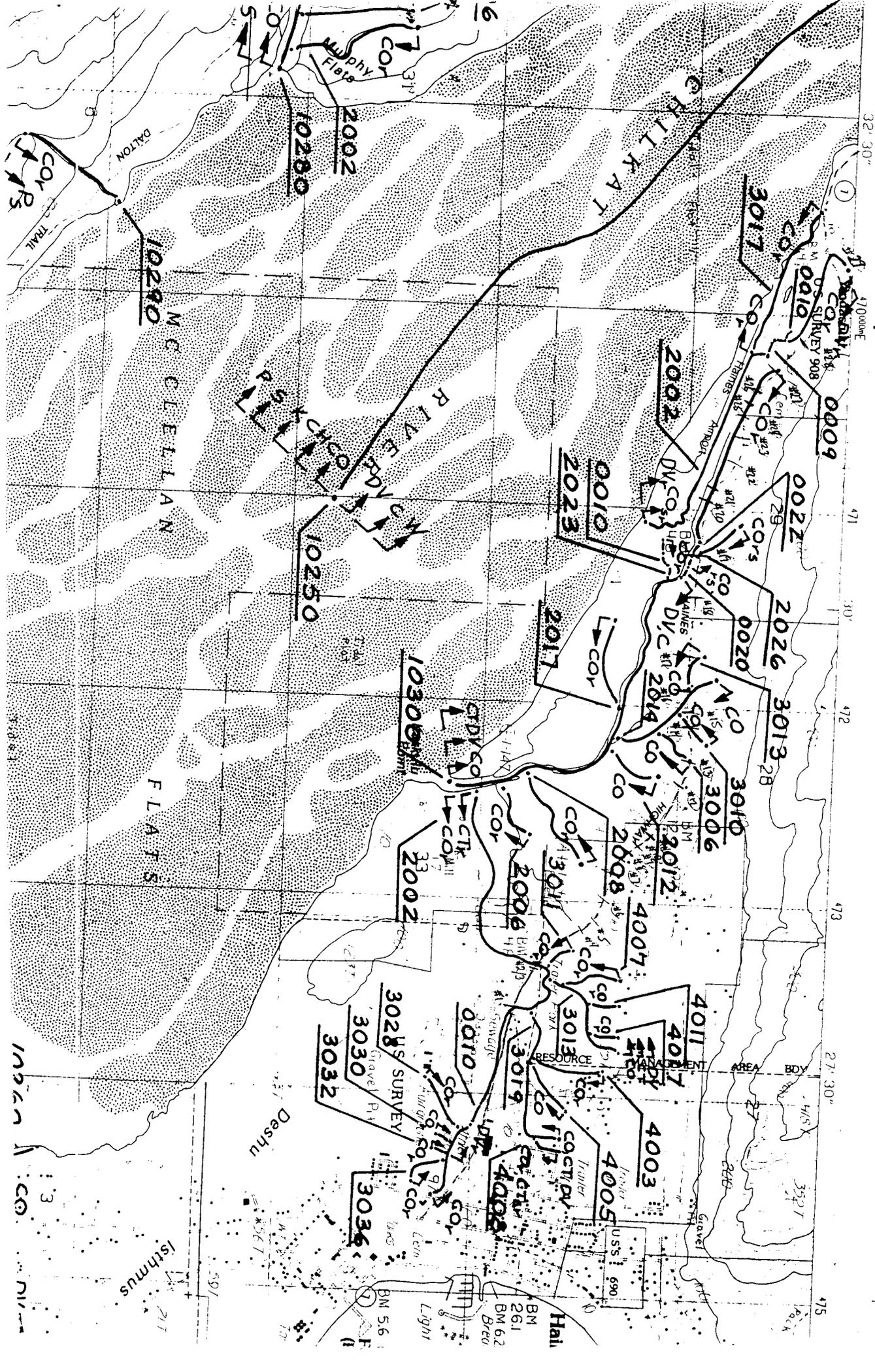
REGION II
HABITAT AND RESTORATION
DIVISION

PO Box 330 Haines, Alaska 99827

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: Revision 11/96

ED STATES
OF THE INTERIOR
ICAL SURVEY



10280
10290
10250
10300
2002
2006
2008
2009
2010
2012
2017
2023
2026
2028
2030
2032
2036
3017
3019
3028
3030
3032
3036
4003
4005
4007
4011
4017
4019
4021
4023
4025
4027
4029
4031
4033
4035
4037
4039
4041
4043
4045
4047
4049
4051
4053
4055
4057
4059
4061
4063
4065
4067
4069
4071
4073
4075
4077
4079
4081
4083
4085
4087
4089
4091
4093
4095
4097
4099
4101
4103
4105
4107
4109
4111
4113
4115
4117
4119
4121
4123
4125
4127
4129
4131
4133
4135
4137
4139
4141
4143
4145
4147
4149
4151
4153
4155
4157
4159
4161
4163
4165
4167
4169
4171
4173
4175
4177
4179
4181
4183
4185
4187
4189
4191
4193
4195
4197
4199
4201
4203
4205
4207
4209
4211
4213
4215
4217
4219
4221
4223
4225
4227
4229
4231
4233
4235
4237
4239
4241
4243
4245
4247
4249
4251
4253
4255
4257
4259
4261
4263
4265
4267
4269
4271
4273
4275
4277
4279
4281
4283
4285
4287
4289
4291
4293
4295
4297
4299
4301
4303
4305
4307
4309
4311
4313
4315
4317
4319
4321
4323
4325
4327
4329
4331
4333
4335
4337
4339
4341
4343
4345
4347
4349
4351
4353
4355
4357
4359
4361
4363
4365
4367
4369
4371
4373
4375
4377
4379
4381
4383
4385
4387
4389
4391
4393
4395
4397
4399
4401
4403
4405
4407
4409
4411
4413
4415
4417
4419
4421
4423
4425
4427
4429
4431
4433
4435
4437
4439
4441
4443
4445
4447
4449
4451
4453
4455
4457
4459
4461
4463
4465
4467
4469
4471
4473
4475
4477
4479
4481
4483
4485
4487
4489
4491
4493
4495
4497
4499
4501
4503
4505
4507
4509
4511
4513
4515
4517
4519
4521
4523
4525
4527
4529
4531
4533
4535
4537
4539
4541
4543
4545
4547
4549
4551
4553
4555
4557
4559
4561
4563
4565
4567
4569
4571
4573
4575
4577
4579
4581
4583
4585
4587
4589
4591
4593
4595
4597
4599
4601
4603
4605
4607
4609
4611
4613
4615
4617
4619
4621
4623
4625
4627
4629
4631
4633
4635
4637
4639
4641
4643
4645
4647
4649
4651
4653
4655
4657
4659
4661
4663
4665
4667
4669
4671
4673
4675
4677
4679
4681
4683
4685
4687
4689
4691
4693
4695
4697
4699
4701
4703
4705
4707
4709
4711
4713
4715
4717
4719
4721
4723
4725
4727
4729
4731
4733
4735
4737
4739
4741
4743
4745
4747
4749
4751
4753
4755
4757
4759
4761
4763
4765
4767
4769
4771
4773
4775
4777
4779
4781
4783
4785
4787
4789
4791
4793
4795
4797
4799
4801
4803
4805
4807
4809
4811
4813
4815
4817
4819
4821
4823
4825
4827
4829
4831
4833
4835
4837
4839
4841
4843
4845
4847
4849
4851
4853
4855
4857
4859
4861
4863
4865
4867
4869
4871
4873
4875
4877
4879
4881
4883
4885
4887
4889
4891
4893
4895
4897
4899
4901
4903
4905
4907
4909
4911
4913
4915
4917
4919
4921
4923
4925
4927
4929
4931
4933
4935
4937
4939
4941
4943
4945
4947
4949
4951
4953
4955
4957
4959
4961
4963
4965
4967
4969
4971
4973
4975
4977
4979
4981
4983
4985
4987
4989
4991
4993
4995
4997
4999
5001
5003
5005
5007
5009
5011
5013
5015
5017
5019
5021
5023
5025
5027
5029
5031
5033
5035
5037
5039
5041
5043
5045
5047
5049
5051
5053
5055
5057
5059
5061
5063
5065
5067
5069
5071
5073
5075
5077
5079
5081
5083
5085
5087
5089
5091
5093
5095
5097
5099
5101
5103
5105
5107
5109
5111
5113
5115
5117
5119
5121
5123
5125
5127
5129
5131
5133
5135
5137
5139
5141
5143
5145
5147
5149
5151
5153
5155
5157
5159
5161
5163
5165
5167
5169
5171
5173
5175
5177
5179
5181
5183
5185
5187
5189
5191
5193
5195
5197
5199
5201
5203
5205
5207
5209
5211
5213
5215
5217
5219
5221
5223
5225
5227
5229
5231
5233
5235
5237
5239
5241
5243
5245
5247
5249
5251
5253
5255
5257
5259
5261
5263
5265
5267
5269
5271
5273
5275
5277
5279
5281
5283
5285
5287
5289
5291
5293
5295
5297
5299
5301
5303
5305
5307
5309
5311
5313
5315
5317
5319
5321
5323
5325
5327
5329
5331
5333
5335
5337
5339
5341
5343
5345
5347
5349
5351
5353
5355
5357
5359
5361
5363
5365
5367
5369
5371
5373
5375
5377
5379
5381
5383
5385
5387
5389
5391
5393
5395
5397
5399
5401
5403
5405
5407
5409
5411
5413
5415
5417
5419
5421
5423
5425
5427
5429
5431
5433
5435
5437
5439
5441
5443
5445
5447
5449
5451
5453
5455
5457
5459
5461
5463
5465
5467
5469
5471
5473
5475
5477
5479
5481
5483
5485
5487
5489
5491
5493
5495
5497
5499
5501
5503
5505
5507
5509
5511
5513
5515
5517
5519
5521
5523
5525
5527
5529
5531
5533
5535
5537
5539
5541
5543
5545
5547
5549
5551
5553
5555
5557
5559
5561
5563
5565
5567
5569
5571
5573
5575
5577
5579
5581
5583
5585
5587
5589
5591
5593
5595
5597
5599
5601
5603
5605
5607
5609
5611
5613
5615
5617
5619
5621
5623
5625
5627
5629
5631
5633
5635
5637
5639
5641
5643
5645
5647
5649
5651
5653
5655
5657
5659
5661
5663
5665
5667
5669
5671
5673
5675
5677
5679
5681
5683
5685
5687
5689
5691
5693
5695
5697
5699
5701
5703
5705
5707
5709
5711
5713
5715
5717
5719
5721
5723
5725
5727
5729
5731
5733
5735
5737
5739
5741
5743
5745
5747
5749
5751
5753
5755
5757
5759
5761
5763
5765
5767
5769
5771
5773
5775
5777
5779
5781
5783
5785
5787
5789
5791
5793
5795
5797
5799
5801
5803
5805
5807
5809
5811
5813
5815
5817
5819
5821
5823
5825
5827
5829
5831
5833
5835
5837
5839
5841
5843
5845
5847
5849
5851
5853
5855
5857
5859
5861
5863
5865
5867
5869
5871
5873
5875
5877
5879
5881
5883
5885
5887
5889
5891
5893
5895
5897
5899
5901
5903
5905
5907
5909
5911
5913
5915
5917
5919
5921
5923
5925
5927
5929
5931
5933
5935
5937
5939
5941
5943
5945
5947
5949
5951
5953
5955
5957
5959
5961
5963
5965
5967
5969
5971
5973
5975
5977
5979
5981
5983
5985
5987
5989
5991
5993
5995
5997
5999
6001
6003
6005
6007
6009
6011
6013
6015
6017
6019
6021
6023
6025
6027
6029
6031
6033
6035
6037
6039
6041
6043
6045
6047
6049
6051
6053
6055
6057
6059
6061
6063
6065
6067
6069
6071
6073
6075
6077
6079
6081
6083
6085
6087
6089
6091
6093
6095
6097
6099
6101
6103
6105
6107
6109
6111
6113
6115
6117
6119
6121
6123
6125
6127
6129
6131
6133
6135
6137
6139
6141
6143
6145
6147
6149
6151
6153
6155
6157
6159
6161
6163
6165
6167
6169
6171
6173
6175
6177
6179
6181
6183
6185
6187
6189
6191
6193
6195
6197
6199
6201
6203
6205
6207
6209
6211
6213
6215
6217
6219
6221
6223
6225
6227
6229
6231
6233
6235
6237
6239
6241
6243
6245
6247
6249
6251
6253
6255
6257
6259
6261
6263
6265
6267
6269
6271
6273
6275
6277
6279
6281
6283
6285
6287
6289
6291
6293
6295
6297
6299
6301
6303
6305
6307
6309
6311
6313
6315
6317
6319
6321
6323
6325
6327
6329
6331
6333
6335
6337
6339
6341
6343
6345
6347
6349
6351
6353
6355
6357
6359
6361
6363
6365
6367
6369
6371
6373
6375
6377
6379
6381
6383
6385
6387
6389
6391
6393
6395
6397
6399
6401
6403
6405
6407
6409
6411
6413
6415
6417
6419
6421
6423
6425
6427
6429
6431
6433
6435
6437
6439
6441
6443
6445
6447
6449
6451
6453
6455
6457
6459
6461
6463
6465
6467
6469
6471
6473
6475
6477
6479
6481
6483
6485
6487
6489
6491
6493
6495
6497
6499
6501
6503
6505
6507
6509
6511
6513
6515
6517
6519
6521
6523
6525
6527
6529
6531
6533
6535
6537
6539
6541
6543
6545
6547
6549
6551
6553
6555
6557
6559
6561
6563
6565
6567
6569
6571
6573
6575
6577
6579
6581
6583
6585
6587
6589
6591
6593
6595
6597
6599
6601
6603
6605
6607
6609
6611
6613
6615
6617
6619
6621
6623
6625
6627
6629
6631
6633
6635
6637
6639
6641
6643
6645
6647
6649
6651
6653
6655
6657
6659
6661
6663
6665
6667
6669
6671
6673
6675
6677
6679
6681
6683
6685
6687
6689
6691
6693
6695
6697
6699
6701
6703
6705
6707
6709
6711
6713
6715
6717
6719
6721
6723
6725
6727
6729
6731
6733
6735
6737
6739
6741
6743
6745
6747
6749
6751
6753
6755
6757
6759
6761
6763
6765
6767
6769
6771
6773
6775
6777
6779
6781
6783
6785
6787
6789
6791
6793
6795
6797
6799
6801
6803
6805
6807
6809
6811
6813
6815
6817
6819
6821
6823
6825
6827
6829
6831
6833
6835
6837
6839
6841
6843
6845
6847
6849
6851
6853
6855
6857
6859
6861
6863
6865
6867
6869
6871
6873
6875
6877
6879
6881
6883
6885
6887
6889
6891
6893
6895
6897
6899
6901
6903
6905
6907
6909
6911
6913
6915
6917
6919
6921
6923
6925
6927
6929
6931
6933
6935
6937
6939
6941
6943
6945
6947
6949
6951
6953
6955
6957
6959
6961
6963
6965
6967
6969
6971
6973
6975
6977
6979
6981
6983
6985
6987
6989
6991
6993
6995
6997
6999
7001
7003
7005
7007
7009
7011
7013
7015
7017
7019
7021
7023
7025
7027
7029
7031
7033
7035
7037
7039
7041
7043
7045
7047
7049
7051
7053
7055
7057
7059
7061
7063
7065
7067
70

1997

MINNISO TRAP RESULTS

* 2 traps set per culvert - 1 per each side of road. (Above/Below culvert)

HAINES HWY CULVERTS

CULVERT #	LOCATION	DATE	TRAP IN	TRAP OUT	# FISH	FISH OBSERVED	COMMENTS
29	4 mile West end of Airport	5/23	14:15	16:09	1 coho (A)	6 A	Existing culvert is perched
28	Airport highway sign	5/23	14:23	16:14	Ø	Ø	
27	E. of Airport Drive Rd	5/23	14:41	16:20	5 coho (A) 4 coho (B)	3 A 2 B	Perched culvert - slight
26	W. of Airport Access GATE	6/12	14:56	-	Ø	no	Perched culvert - DRY
25	E. " " "	6/12	15:06	12:11	1 Dolly (A) 8 Coho (B)	no	PERCHED CULVERT
23	End of Runway	4/12	15:11	-	Ø	no	Standing H ₂ O - DRY
22	Weather Measure Sta	6/12	15:16	12:18	1 Dolly (A) 4 CT (B) 6 Coho (B)	no	Perched Culvert - steep pool above
20	Burlett's Roadside House (N)	6/12	15:39	12:25	3 Dolly (A) 2 Dolly (B)	3 B	Nicely bedded culvert
19	1 st Drive Past House	6/12	15:44	-	Ø	no	Dry
18		6/12	15:54	12:30	Ø	no	Perched Culvert - Flurry but shallow
17	Loomis Property	6/12 6/19-20	16:57 15:06	12:33 08:26	4 Coho (A) 3 Dolly (B) 10 CT (B) 10 CT (A)	5 A	CUTTROAT STREAM
15	Hess DRIVEWAY	6/13	12:50	15:48	Ø	no	Flowing but Shallow
14	Jones Sub	6/13 6/19-20	12:54 15:16	15:50 08:31	Ø	no	Perched Culvert
13	Jones Sub	6/13	12:57	15:55	2 Dolly (B)	no	Perched Culvert
12	EZ Mechanical	6/13	13:07	16:02	Ø	no	PERCHED CULVERT - No Flow
11	2 mile Gravel Pit House	6/13 6/19-20	13:12 15:18	16:05 08:25	Ø	Yes	PERCHED CULVERT
10	Amway Prop.	6/19-20	15:15	08:39	1 CT / 1 Coho (B)	no	Perched Culvert
9	Amway Driveway	6/19-20	15:31	08:41	1 CT 10 Dolly (A) 7 CT 2 Coho (B)	no	Good looking stream
7	W. Picked Rd	6/19-20	15:40	08:49	Ø	Ø	Too shallow above - Standly water below
6	Picked Rd / Florstic Well	6/19-20	15:57	08:54	1 CT - 3 Dolly (A)	Small Fry (B)	Shallow - Altered stream - Short Reach
5	E. Picked Rd	6/19-20	16:00	09:13	1 Dolly - 1 Coho (B)		Perched - No Flow

ISSUED CULVERTS	LOCATION	DATE	TRAP IN	TRAP OUT	# FISH	FISH OBSERVED	COMMENTS
24	E. Airport Access Rd.	7/16	0929	-	-	no	Very low H ₂ O flow - too shallow to trap
21	W. Burlett's House	7/16	0946	-	-		No flow - end of culvert buried
16	E. Loomis Driveway	7/16	0954	-	-		Does not exist - buried under driveway
8	Below White House	7/16-17	1012	0818	Ø		low flow - drains into wetland marsh
4	Florstic Property	7/16	1023	-	-	no	Perched - DRY
2	Robin Street / White House	7/16	1510	-	-	no	DRY - NO FISH