Report Title: Peace River Site C Hydroelectric Development Pre-Construction Fisheries Studies – Fish Movements and Population Status 1989 Studies
Issuer: RL&L Environmental Services Ltd. In association with LGL Ltd.
Date: January, 1991

NOTE TO READER:

INFORMATION CONTAINED IN THIS REPORT MAY BE OUT OF DATE AND BC HYDRO MAKES NO STATEMENT ABOUT ITS ACCURACY OR COMPLETENESS. USE OF THIS REPORT AND/OR ITS CONTENTS IS AT THE USER'S OWN RISK.

During Stage 2 of the Site C Project, studies are underway to update many of the historical studies and information known about the project.

The potential Site C project, as originally conceived, will be updated to reflect current information and to incorporate new ideas brought forward by communities, First Nations, regulatory agencies and stakeholders. Today's approach to Site C will consider environmental concerns, impacts to land, and opportunities for community benefits, and will update design, financial and technical work.

AGE-MATURITY ANALYSIS

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** NO AGE-MATURITY ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

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PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
A3885	YW	427.	882.		.	11	FR	ES	.	Y11750	27	8	88	PEACN	KMO2.5	0	0	
A3821	YW	392.	808.		.	7	FR	ES	.	Y11771	27	8	88	PEACN	KMO2.5	0	0	
A3885	YW	340.	477.		.	5	FR	ES	.	Y11756	27	8	88	PEACN	KMO2.5	0	0	
A3882	YW	318.	383.		.	5	FR	ES	.	Y11739	27	8	88	PEACN	KMO2.5	0	0	
A3884	YW	586.	2100.		.	15	FR	ES	.	Y11752	27	8	88	PEACN	KMO2.5	0	0	
A3894	YW	415.	836.		.	8	FR	ES	.	Y11757	27	8	88	PEACN	KMO2.5	0	0	
A3922	YW	341.	422.		.	5	FR	ES	.	Y11772	27	8	88	PEACN	KMO2.5	0	0	
A3879	YW	398.	728.		.	9	FR	ES	.	Y11738	27	8	88	PEACN	KMO2.5	0	0	
A3883	YW	330.	338.		.		FR	ES	.	Y11755	27	8	88	PEACN	KMO2.5	0	0	
A3923	YW	428.	746.		.	7	FR	ES	.	Y11773	27	8	88	PEACN	KMO2.5	0	0	
A3892	YW	373.	868.		.	6	FR	ES	.	Y11755	27	8	88	PEACN	KMO2.5	0	0	
A3891	YW	409.	734.		.	8	FR	ES	.	Y11754	27	8	88	PEACN	KMO2.5	0	0	
A4846	YW	467.	1400.		.	11	FR	ES	.	Y13505	30	8	88	PEACN	KMO5.9	0	0	
A4368	YW	395.	750.		.	6	FR	ES	.	Y13113	29	8	88	PEACN	KMO6.4	0	0	
A4370	YW	397.	700.		.	8	FR	ES	.		29	8	88	PEACN	KMO6.4	0	0	
A4365	YW	365.	600.		.	5	FR	ES	.	Y13133	29	8	88	PEACN	KMO6.4	0	0	
A4689	YW	422.	1000.		.	11	FR	ES	.	Y13368	30	8	88	PEACN	KMO6.5	0	0	
A4700	YW	462.	1300.		.	6	FR	ES	.	Y13389	30	8	88	PEACN	KMO6.5	0	0	
A4218	YW	540.	1850.		.	12	FR	ES	.	Y11895	28	8	88	PEACN	KMO6.5	0	0	
A4206	YW	447.	1050.		.	9	FR	ES	.	Y11847	28	8	88	PEACN	KMO6.5	0	0	
A4213	YW	438.	1000.		.	9	FR	ES	.	Y11891	28	8	88	PEACN	KMO6.5	0	0	
A4314	YW	470.	1250.		.	10	FR	ES	.	Y13066	29	8	88	PEACN	KMO6.5	0	0	
A4313	YW	510.	1600.		.	9	FR	ES	.	Y13064	29	8	88	PEACN	KMO6.5	0	0	
A4207	YW	463.	1150.		.	10	FR	ES	.	Y11886	28	8	88	PEACN	KMO6.5	0	0	
A4315	YW	417.	800.		.	7	FR	ES	.	Y13069	29	8	88	PEACN	KMO6.5	0	0	
A4311	YW	480.	1350.		.	10	FR	ES	.	Y13067	29	8	88	PEACN	KMO6.5	0	0	
A4224	YW	410.	875.		.	8	FR	ES	.	Y13000	28	8	88	PEACN	KMO6.5	0	0	
A4205	YW	452.	1100.		.	10	FR	ES	.	Y11882	28	8	88	PEACN	KMO6.5	0	0	
A4702	YW	476.	1250.		.		FR	ES	.	Y13391	30	8	88	PEACN	KMO6.5	0	0	
A4701	YW	472.	1300.		.	9	FR	ES	.	Y13390	30	8	88	PEACN	KMO6.5	0	0	
A4208	YW	407.	850.		.	9	FR	ES	.	Y11885	28	8	88	PEACN	KMO6.5	0	0	

NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = YW

LOCATION= PEACH SITE(S)=KM02.6 KM05.9 KM06.4 KM06.6

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 31

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
300- 319	1	3.2	1.18	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
320- 339	1	3.2	0.93	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
340- 359	2	6.5	1.14	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
360- 379	2	6.5	1.26	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
380- 399	4	12.9	1.12	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 419	5	16.1	1.20	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
420- 439	4	12.9	1.15	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
440- 459	3	9.7	1.26	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
460- 479	5	16.1	1.22	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
480- 499	1	3.2	1.22	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 519	1	3.2	1.21	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
520- 539	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
540- 559	1	3.2	1.05	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
560- 579	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
580- 599	1	3.2	1.04	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	31	100.0	-	31	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 1.1764 STDDEV = 0.1110 COEVAR = 9.4361 STDERR = 0.0199 N = 31				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0			
MEDIAN SIZE	423 MM				0 MM				0 MM				0 MM			

WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
300- 349	1	3.2	0.93	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
350- 399	1	3.2	1.18	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 449	1	3.2	1.06	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
450- 499	1	3.2	1.21	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 549	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
550- 599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 649	2	6.5	1.12	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
650- 699	1	3.2	1.28	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 749	4	12.9	1.08	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
750- 799	1	3.2	1.22	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 849	1	3.2	1.17	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
850- 899	3	9.7	1.22	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
900- 949	1	3.2	1.24	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
950- 999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1000-1049	2	6.5	1.26	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1050-1099	1	3.2	1.18	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1100-1149	1	3.2	1.19	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1150-1199	1	3.2	1.16	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1200-1249	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1250-1299	2	6.5	1.18	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1300-1349	2	6.5	1.28	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1350-1399	1	3.2	1.22	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1400-1449	1	3.2	1.47	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1450-1499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1500-1549	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1550-1599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1600-1649	1	3.2	1.21	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1650-1699	1	3.2	1.06	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1700-1749	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1750-1799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1800-1849	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1850-1899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1900-1949	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1950-1999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2000-2049	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2050-2099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2100-2149	1	3.2	1.04	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	31	100.0	-	31	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 1.1764 STDDEV = 0.1110 COEVAR = 9.4361 STDERR = 0.0199 N = 31				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0			

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LENGTH - WEIGHT REGRESSION

1) THE COEF. OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.981233416

2) N = 28

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -5.454570 + 3.20732117 LOG10(LENGTH)

OR WEIGHT= 0.35110E-05 LENGTH TO THE 3.20732117

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF.	T	S.D.
INTERCEPT	-5.454570	-23.621274	0.228979
SLOPE	3.207321	36.869797	0.086990

5) LOG10(LENGTH) MEANS = 2.631637

6) LOG10(WEIGHT) MEANS = 2.988576

7) SUM OF X SQUARED = 194.0016 SUM OF SMALL X SQUARED = 0.057822

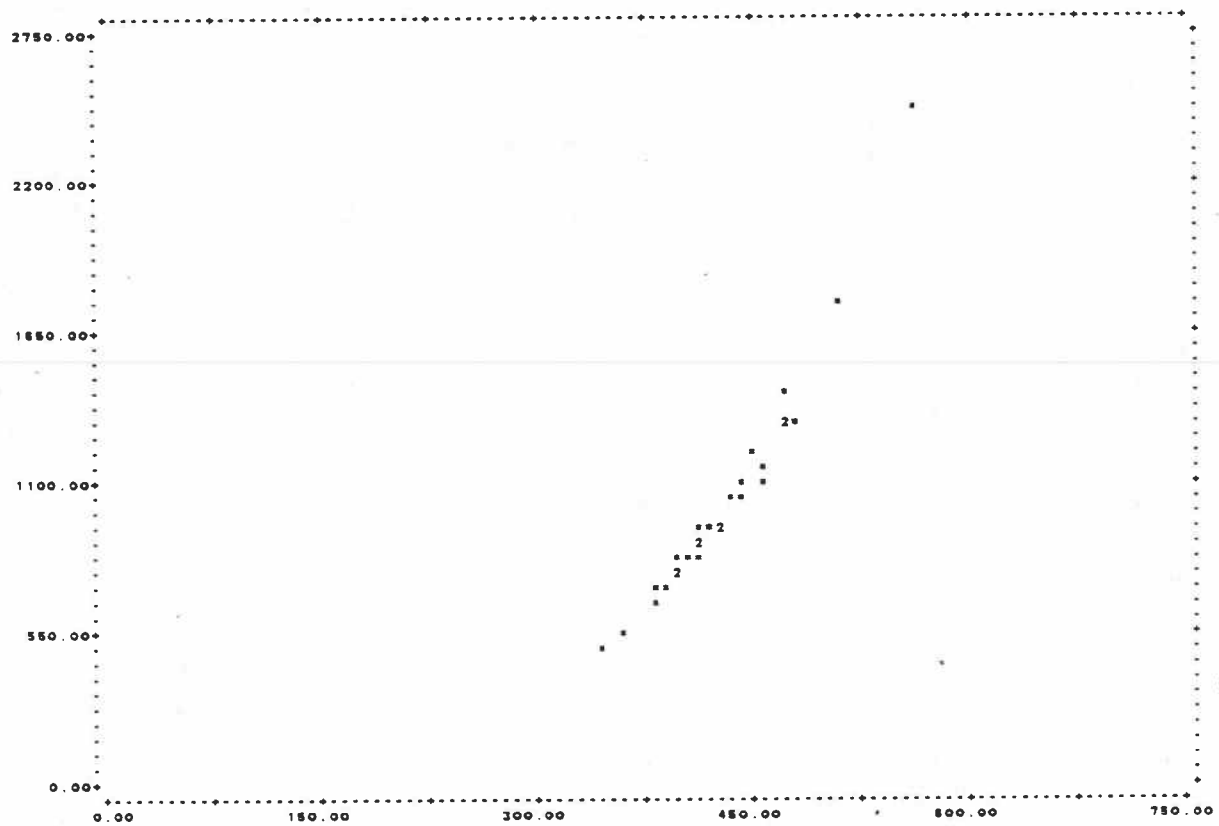
8) SUM OF Y SQUARED = 250.3571 SUM OF SMALL Y SQUARED = 0.807239

9) SUM OF XY = 220.2708 SUM OF SMALL XY = 0.185791

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	0.59584248	0.59584248	1359.38206006
ERROR	26	0.01139629	0.00043832	
TOTAL	27	0.6072388		

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



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WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
450- 499	1	3.6	1.20	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 549	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
550- 599	1	3.6	1.19	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 649	1	3.6	1.14	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
650- 699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 749	4	14.3	1.21	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
750- 799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 849	3	10.7	1.25	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
850- 899	2	7.1	1.21	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
900- 949	3	10.7	1.24	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
950- 999	1	3.6	1.22	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1000-1049	2	7.1	1.23	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1050-1099	1	3.6	1.23	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1100-1149	1	3.6	1.19	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1150-1199	2	7.1	1.28	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1200-1249	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1250-1299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1300-1349	3	10.7	1.20	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1350-1399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1400-1449	1	3.6	1.32	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1450-1499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1500-1549	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1550-1599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1600-1649	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1650-1699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1700-1749	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1750-1799	1	3.6	1.33	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1800-1849	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1850-1899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1900-1949	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1950-1999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2000-2049	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2050-2099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2100-2149	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2150-2199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2200-2249	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2250-2299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2300-2349	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2350-2399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2400-2449	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2450-2499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2500-2549	1	3.6	1.40	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	28	100.0	-	28	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0
COND. FACTORS		MEAN =	1.2346			MEAN =	0.0000			MEAN =	0.0000			MEAN =	0.0000	

SUMMARY	ALL GROUPED	MALES	FEMALES	SEX INDETERMINABLE
STDDEV =	0.0594	0.0000	0.0000	0.0000
COEVAR =	4.8127	0.0000	0.0000	0.0000
STDERR =	0.0081	0.0000	0.0000	0.0000
N =	28	0	0	0
MEDIAN SIZE	934 G	0 G	0 G	0 G

NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA
NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA
NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA

PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
M 98	YW	415.	873.		.	7	FR	ES	.		25	10	89	PEACO	.	1	0	MERCURY ANALYSIS *M
M 93	YW	381.	558.		.	9	FR	ES	.		24	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 99	YW	388.	800.		.	9	FR	ES	.		25	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 101	YW	400.	748.		.	7	FR	ES	.		25	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 100	YW	382.	638.		.	6	FR	ES	.		25	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 102	YW	398.	748.		.	5	FR	ES	.		25	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 83	YW	415.	938.		.	9	FR	ES	.		23	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 92	YW	343.	484.		.	5	FR	ES	.		24	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02998	YW	456.	1125.		.			ES	.	Y15619	25	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02997	YW	444.	1045.		.			ES	.	Y15620	25	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02803	YW	205.	.		.			ES	.		24	10	89	PEACO	KM02.6	0	0	
02795	YW	358.	.		.			ES	.	Y15728	24	10	89	PEACO	KM02.6	0	0	
02988	YW	410.	848.		.			ES	.	Y15610	24	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02990	YW	382.	710.		.			ES	.	Y15612	24	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02984	YW	436.	1040.		.			ES	.	Y15617	25	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02801	YW	354.	.		.			ES	.	Y15730	24	10	89	PEACO	KM02.6	0	0	
02810	YW	323.	.		.			ES	.	Y15737	24	10	89	PEACO	KM02.6	0	0	
02805	YW	324.	.		.			ES	.	Y15732	24	10	89	PEACO	KM02.6	0	0	
02989	YW	415.	860.		.			ES	.	Y15611	24	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02788	YW	344.	.		.			ES	.	Y15726	24	10	89	PEACO	KM02.6	0	0	
03002	YW	483.	1335.		.			ES	.	Y15624	25	10	89	PEACO	KM02.6	0	0	USED FOR TRANS.IMPL
02808	YW	364.	.		.			ES	.	Y15735	24	10	89	PEACO	KM02.6	0	0	
02987	YW	476.	1425.		.			ES	.	Y15609	24	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02797	YW	376.	.		.			ES	.	Y15727	24	10	89	PEACO	KM02.6	0	0	
02999	YW	423.	946.		.			ES	.	Y15621	25	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02804	YW	334.	.		.			ES	.	Y15731	24	10	89	PEACO	KM02.6	0	0	
02995	YW	464.	1175.		.			ES	.	Y15618	25	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02807	YW	377.	.		.			ES	.	Y15734	24	10	89	PEACO	KM02.6	0	0	
03000	YW	405.	626.		.			ES	.	Y15616	25	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02809	YW	375.	.		.			ES	.	Y15736	24	10	89	PEACO	KM02.6	0	0	
02985	YW	444.	1080.		.			ES	.	Y15607	24	10	89	PEACO	KM02.5	0	0	USED FOR TRANS. IMP
02812	YW	381.	.		.			ES	.	Y15738	24	10	89	PEACO	KM02.5	0	0	
02806	YW	358.	.		.			ES	.	Y15733	24	10	89	PEACO	KM02.5	0	0	
02986	YW	428.	980.		.			ES	.	Y15608	24	10	89	PEACO	KM02.5	0	0	USED FOR TRANS. IMP
03001	YW	510.	1785.		.			ES	.	Y15622	25	10	89	PEACO	KM02.5	0	0	USED FOR TRANS. IMP
02813	YW	357.	.		.			ES	.	Y15739	24	10	89	PEACO	KM02.5	0	0	
02800	YW	334.	.		.			ES	.	Y15729	24	10	89	PEACO	KM02.5	0	0	
02980	YW	450.	1195.		.			ES	.	Y15602	19	10	89	PEACO	KM10.2	0	0	USED FOR TRANS. IMP
02981	YW	390.	706.		.			ES	.	Y15603	19	10	89	PEACO	KM10.2	0	0	USED FOR TRANS. IMP
02979	YW	563.	2500.		.			ES	.	Y15601	19	10	89	PEACO	KM10.2	0	0	USED FOR TRANS. IMP
02982	YW	431.	824.		.			ES	.	Y15604	19	10	89	PEACO	KM10.2	0	0	USED FOR TRANS. IMP
02961	YW	478.	1305.		.			ES	.	Y13867	9	10	89	PEACO	KM12.6	0	0	USED FOR TRANS. IMP
C 810	YW	478.	1305.		.			ES	.	Y13867	9	10	89	PEACO	KM12.7	0	0	TRANS. RELEASE AT K

NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = YW

LOCATION= PEACO SITE(S)= . KM02.6 KM10.2 KM12.6 KM12.7

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 43

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
200- 219	1	2.3	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
220- 239	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
240- 259	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
260- 279	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
280- 299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 319	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
320- 339	4	9.3	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
340- 359	6	14.0	1.20	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
360- 379	5	11.6	1.19	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
380- 399	6	14.0	1.22	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 419	6	14.0	1.23	6	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
420- 439	4	9.3	1.22	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
440- 459	5	11.6	1.24	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
460- 479	3	7.0	1.25	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
480- 499	1	2.3	1.18	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 519	1	2.3	1.33	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
520- 539	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
540- 559	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
560- 579	1	2.3	1.40	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	43	100.0	-	28	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 1.2346 STDDEV = 0.0594 COEVAR = 4.8127 STDERR = 0.0081 N = 28				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0			
MEDIAN SIZE	399 MM				0 MM				0 MM				0 MM			

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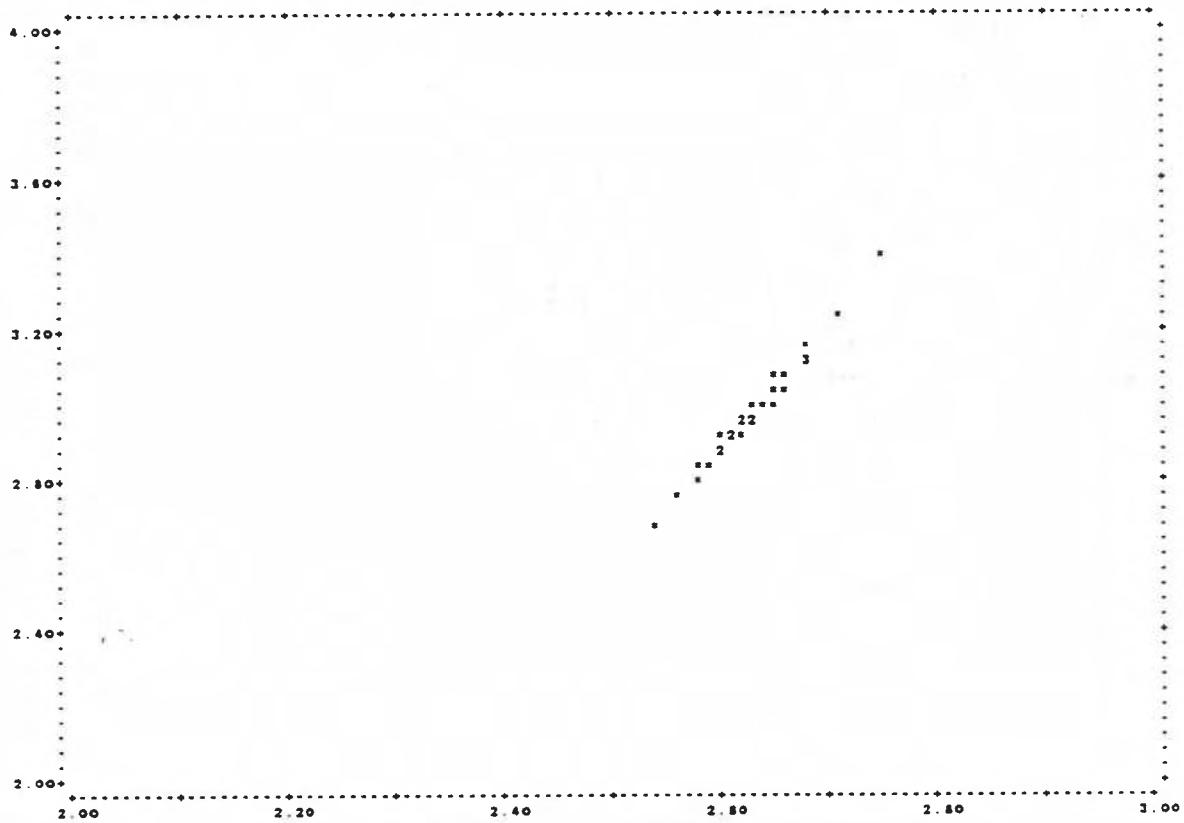
PLOT OF LOG10 LENGTH (X-AXIS) VRS LOG10 WEIGHT (Y-AXIS)



AGE-GROWTH ANALYSIS

ALL GROUPED

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX						386.0	382.0	415.0		415.0							
MEAN+CI						706.2		502.8		458.9							
MEAN						369.5	382.0	407.5		391.3							
MEAN-CI						32.8		312.2		322.7							
MIN						343.0	382.0	400.0		361.0							
NUMBER						2.	1.	2.		3.							
SD	0.00	0.00	0.00	0.00	0.00	37.48	0.00	10.61	0.00	27.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	26.50	0.00	7.50	0.00	15.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	10.14	0.00	2.60	0.00	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX						746.0	638.0	873.0		936.0							
MEAN+CI						2279.5		1616.4		1240.3							
MEAN						615.0	638.0	809.5		784.7							
MEAN-CI						******		2.8		288.0							
MIN						484.0	638.0	746.0		558.0							
NUMBER						2.	1.	2.		3.							
SD	0.00	0.00	0.00	0.00	0.00	185.28	0.00	89.81	0.00	191.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	131.00	0.00	63.50	0.00	110.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	30.12	0.00	11.09	0.00	25.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	0.000	0.000	0.000	1.201	1.145	1.221	0.000	1.310	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	0.000	1.213	0.000	1.548	0.000	1.411	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	1.200	1.145	1.194	0.000	1.255	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	0.000	1.188	0.000	0.839	0.000	1.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	0.000	0.000	1.198	1.145	1.166	0.000	1.186	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER						2.	1.	2.		3.							
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.12	0.00	3.31	0.00	5.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NO MALES IN AGED SAMPLE

NO FEMALES IN AGED SAMPLE

NO SEX INDETERMINABLE IN AGED SAMPLE

LENGTH - WEIGHT REGRESSION

1) THE COEF. OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.981233418

2) N = 28

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -5.454570 + 3.20732117 LOG10(LENGTH)

OR WEIGHT= 0.35110E-05 LENGTH TO THE 3.20732117

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF.	T	S.D.
INTERCEPT	-5.454570	-23.621274	0.228979
SLOPE	3.207321	36.869797	0.086990

5) LOG10(LENGTH) MEANS = 2.631837

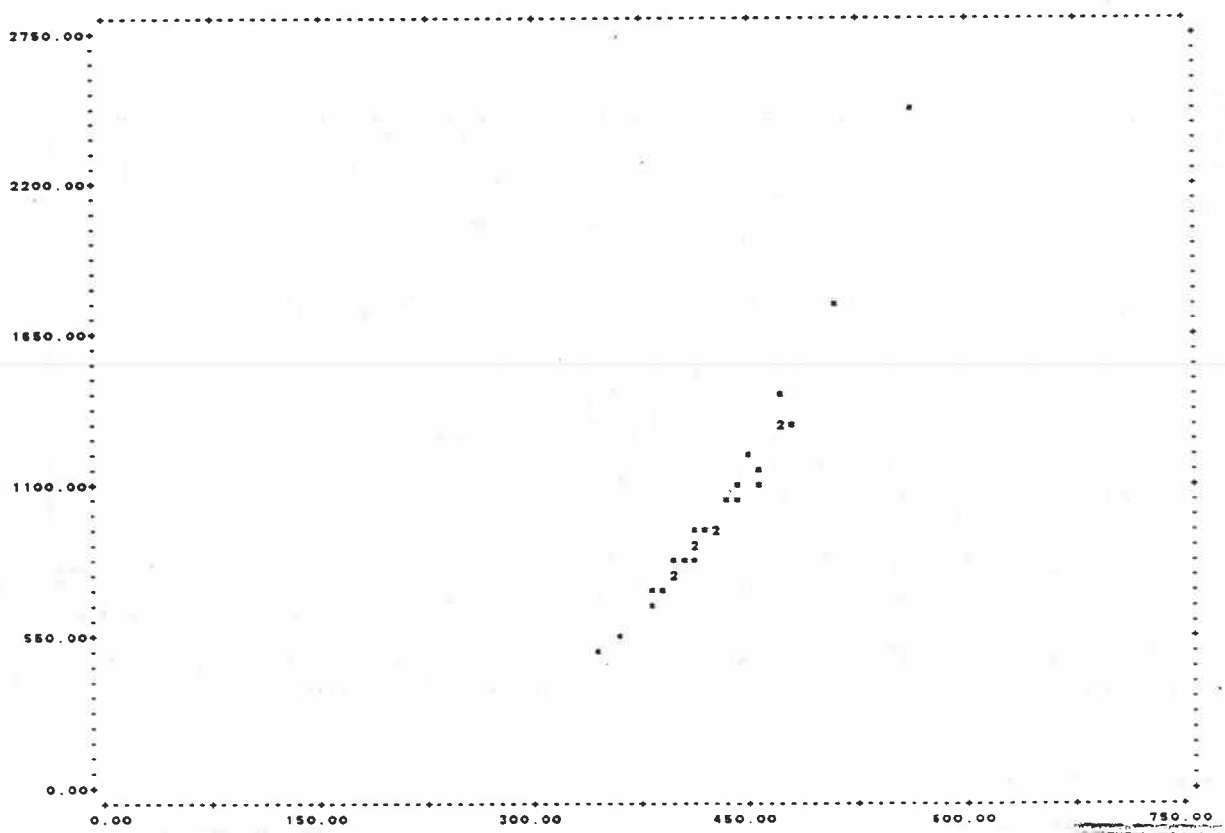
6) LOG10(WEIGHT) MEANS = 2.986576

7) SUM OF X SQUARED = 194.0018 SUM OF SMALL X SQUARED = 0.057922
8) SUM OF Y SQUARED = 250.3571 SUM OF SMALL Y SQUARED = 0.507238
9) SUM OF XY = 220.2709 SUM OF SMALL XY = 0.185791

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	0.59584248	0.59584248	1359.38208008
ERROR	26	0.01139629	0.00043832	
TOTAL	27	0.6072388		

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



NOTE SEPARATE ANALYSIS FOR EACH SPECIES ONLY (ALL LOCATIONS AND SITES GROUPED)***NOTE***

SPECIES = RTH

LOCATION= PEACJ SITE(S)=KM14.9 KM10.9 KM14.4 KM15.0 KM10.7 KM13.7 KM13.2 KM11.8 KM14.7 KM14.3 KM14.2 KM12.3 KM14.6 KM11.8

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 40

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
100- 119	2	4.8	0.86	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
120- 139	4	9.5	0.93	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
140- 159	1	2.4	1.02	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
160- 179	6	14.3	0.91	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
180- 199	8	19.0	1.05	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 219	5	11.9	0.97	3	0	0.0	0.00	0	0	0.0	0.00	0	1	100.0	1.16	1
220- 239	3	7.1	1.06	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
240- 259	5	11.9	1.06	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
260- 279	2	4.8	1.19	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
280- 299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 319	3	7.1	1.20	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
320- 339	1	2.4	1.16	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
340- 359	1	2.4	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
360- 379	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
380- 399	1	2.4	0.00	0	1	100.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	42	100.0	-	30	1	100.0	-	0	0	0.0	-	0	1	100.0	-	1
COND. FACTORS SUMMARY	MEAN = 1.0148 STDDEV = 0.1309 COEVAR = 12.9006 STDERR = 0.0202 N = 30				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 1.1820 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 1			
MEDIAN SIZE	201 MM				391 MM				0 MM				191 MM			

WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
0- 49	12	40.0	0.92	12	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
50- 99	8	26.7	1.02	8	0	0.0	0.00	0	0	0.0	0.00	0	1	100.0	1.16	1
100- 149	2	6.7	0.97	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
150- 199	3	10.0	1.12	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 249	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
250- 299	2	6.7	1.19	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 349	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
350- 399	2	6.7	1.20	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 449	1	3.3	1.16	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	30	100.0	-	30	0	0.0	-	0	0	0.0	-	0	1	100.0	-	1
COND. FACTORS SUMMARY	MEAN = 1.0148 STDDEV = 0.1309 COEVAR = 12.9006 STDERR = 0.0202 N = 30				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 1.1820 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 1			
MEDIAN SIZE	69 G				0 G				0 G				76 G			

AGE-MATURITY ANALYSIS

AGE- SEX/MAT.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER	TOTAL
99																		0
1			1	1														2
2																		0
3																		0
4																		0
5																		0
6																		0
7																		0
8																		0
9						1												1
10																		0
11																		0
12																		0
13																		0
14																		0
15																		0
16																		0
17																		0
18																		0
19					2													2
20																		0
TOTAL			1	1	2	1												5

NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA
NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA
NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA

PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
J 433	RTH	200.	78.		.		SC	ES	.		3	6	89	PEACJ	KM14.8	0	0	(AD)
J3336	RTH	276.	251.		.	2		ES	.	Y 7507	23	6	89	PEACJ	KM10.9	0	0	(AD)
J 453	RTH	242.	148.		.	3	SC	ES	.	Y 4947	6	6	89	PEACJ	KM14.4	0	0	(LMAX)
J1416	RTH	121.	15.		.	1	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	(LMAX)
J 435	RTH	167.	45.		.	2	SC	ES	.		3	6	89	PEACJ	KM14.8	0	0	(AD)
J3276	RTH	227.	.		.	2		ES	.		28	5	89	PEACJ	KM10.7	0	0	(AD)
J 457	RTH	315.	378.		.	3	SC	ES	.	Y 4951	6	6	89	PEACJ	KM14.4	0	0	(LRMAX)
J1455	RTH	243.	.		.	2		ES	.	Y 4995	15	6	89	PEACJ	KM13.7	0	0	(AD)
J 434	RTH	235.	115.		.	2	SC	ES	.		3	6	89	PEACJ	KM14.8	0	0	(AD)
J 469	RTH	235.	159.		.	2	SC	ES	.		12	6	89	PEACJ	KM14.4	0	0	(AD)
J 456	RTH	257.	176.		.	2	SC	ES	.	Y 4950	6	6	89	PEACJ	KM14.4	0	0	(AD)
J1868	RTH	311.	356.		.	3	SC	ES	.	Y 4135	19	6	89	PEACJ	KM13.2	0	0	(LMAX)
J 436	RTH	196.	89.	99	.	2	SC	ES	.		3	6	89	PEACJ	KM14.8	0	0	(AD)
J1414	RTH	140.	28.		.	1	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	(LMAX)
J 460	RTH	191.	75.		.	2	SC	ES	.	.	6	6	89	PEACJ	KM14.4	0	0	(AD)
J1503	RTH	397.	.	8	.	6		ES	.	Y 5110	17	6	89	PEACJ	KM13.2	0	0	(LRMAX)
J 485	RTH	121.	16.		.	1	SC	ES	.		13	6	89	PEACJ	KM11.8	0	0	(LMAX)
J1454	RTH	215.	.		.	2		ES	.		15	6	89	PEACJ	KM13.7	0	0	(AD)
J1447	RTH	134.	26.		.	1	SC	ES	.		14	6	89	PEACJ	KM14.7	0	0	(LMAX)
J1456	RTH	192.	.		.	2		ES	.		15	6	89	PEACJ	KM13.7	0	0	(AD)
J 494	RTH	186.	47.		.	2	SC	ES	.		13	6	89	PEACJ	KM11.8	0	0	(AD)
J1396	RTH	242.	156.		.	2	SC	ES	.	Y 4929	7	6	89	PEACJ	KM15.0	0	0	(AD)
J 893	RTH	209.	.		.	2		ES	.		4	6	89	PEACJ	KM14.3	0	0	(AD)
J1429	RTH	175.	45.		.	2	SC	ES	.		7	6	89	PEACJ	KM14.3	0	0	(AD)
J 463	RTH	318.	.		.	3		ES	.	Y 4956	6	6	89	PEACJ	KM14.2	0	0	(LMAX)
J1412	RTH	190.	.		.	2	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	(AD)
J 529	RTH	195.	.		.	2		ES	.		3	6	89	PEACJ	KM14.4	0	0	(AD)
J1445	RTH	180.	69.		.	2	SC	ES	.		14	6	89	PEACJ	KM14.7	0	0	(AD)
J 479	RTH	208.	85.		.	2	SC	ES	.		12	6	89	PEACJ	KM12.3	0	0	(AD)
J1415	RTH	118.	13.		.	1	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	(LMAX)
J1043	RTH	346.	.		.	6		ES	.	Y 4660	4	6	89	PEACJ	KM14.3	0	0	(LPEL)
J1424	RTH	174.	46.		.	2	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	(AD)
J 464	RTH	164.	.		.	2		ES	.		6	6	89	PEACJ	KM14.2	0	0	(AD)
J1448	RTH	246.	.		.	2		ES	.	Y 4982	15	6	89	PEACJ	KM13.7	0	0	(AD)
J 530	RTH	161.	36.		.	2		ES	.		3	6	89	PEACJ	KM14.8	0	0	(AD)
J1427	RTH	185.	56.		.	2	SC	ES	.		7	6	89	PEACJ	KM14.3	0	0	(AD)
J 470	RTH	206.	86.		.	2	SC	ES	.		12	6	89	PEACJ	KM14.4	0	0	(AD)
J1417	RTH	109.	12.		.	1	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	(LMAX)
J 496	RTH	327.	406.		.	3	SC	ES	.	Y 4975	13	6	89	PEACJ	KM11.6	0	0	(LMAX)
J1430	RTH	126.	18.		.	1	SC	ES	.		7	6	89	PEACJ	KM14.3	0	0	(LMAX)
J1425	RTH	194.	70.		.	2	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	(AD)
J3336	RTH	276.	251.		.	2		ES	.	Y 7507	23	6	89	PEACJ	KM10.9	0	0	(AD)

AGE-GROWTH ANALYSIS

MALES ONLY

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX			249.0	266.0		399.0											
MEAN+CI																	
MEAN			249.0	266.0		399.0											
MEAN-CI																	
MIN			249.0	266.0		399.0											
NUMBER			1.	1.		1.											
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX			233.0	264.0		746.0											
MEAN+CI																	
MEAN			233.0	264.0		746.0											
MEAN-CI																	
MIN			233.0	264.0		746.0											
NUMBER			1.	1.		1.											
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	1.505	1.403	0.000	1.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	1.505	1.403	0.000	1.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	1.505	1.403	0.000	1.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER			1.	1.		1.											
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AGE-GROWTH ANALYSIS

FEMALES ONLY

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX					377.0												
MEAN+CI					394.8												
MEAN					375.5												
MEAN-CI					356.4												
MIN					374.0												
NUMBER					2.												
SD	0.00	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX					890.0												
MEAN+CI					1579.7												
MEAN					814.0												
MEAN-CI					-351.7												
MIN					538.0												
NUMBER					2.												
SD	0.00	0.00	0.00	0.00	107.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	76.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	0.000	0.000	1.288	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	2.806	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	0.000	0.000	1.158	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	-0.489	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	0.000	1.028	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER					2.												
SD	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NO SEX INDETERMINABLE IN AGED SAMPLE

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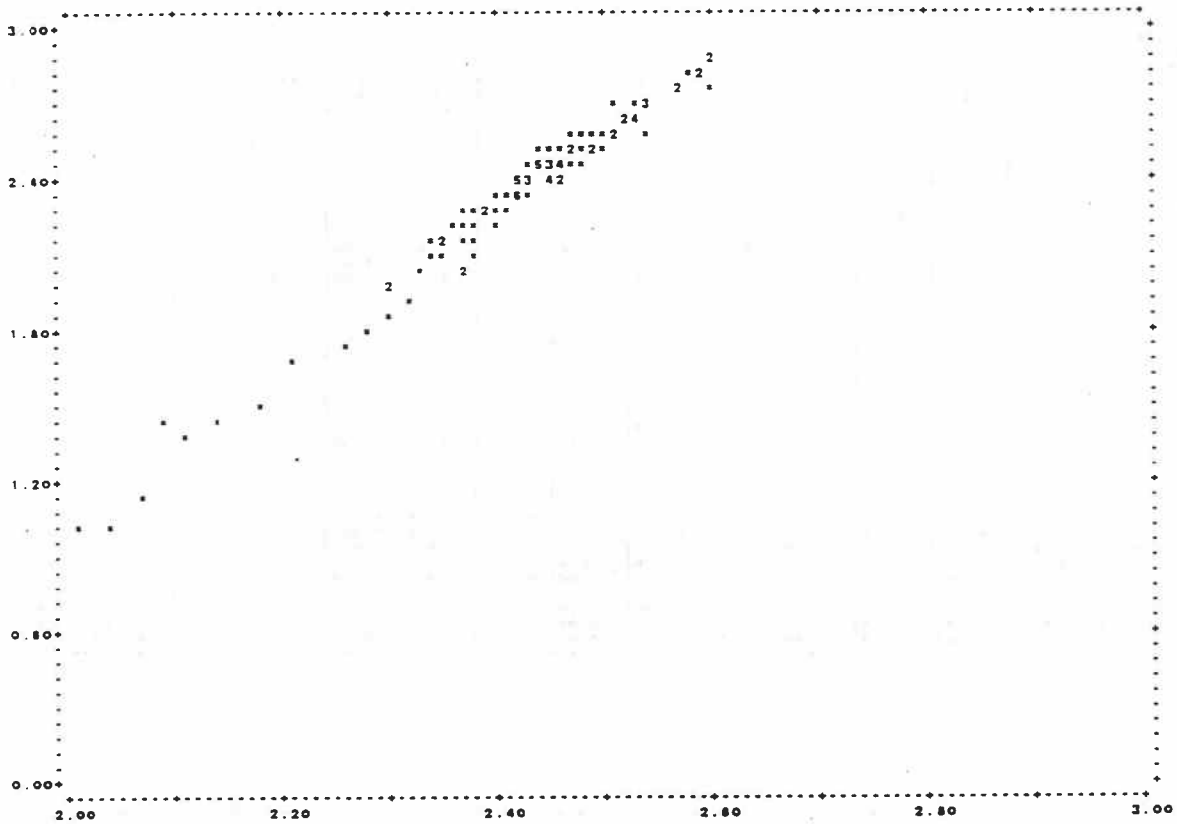
PLOT OF LOG10 LENGTH (X-AXIS) VRS LOG10 WEIGHT (Y-AXIS)



AGE-GROWTH ANALYSIS

ALL GROUPED

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX		128.0	265.0	398.0	387.0	399.0											
MEAN+CI		129.3	240.9	320.3	389.4												
MEAN		116.4	225.9	284.6	349.7	399.0											
MEAN-CI		103.5	210.9	249.4	309.9												
MIN		103.0	152.0	235.0	286.0	399.0											
NUMBER		5.	23.	11.	6.	1.											
SD	0.00	10.36	34.74	52.75	37.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	4.63	7.24	15.91	15.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	8.90	15.38	18.62	10.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX		27.0	281.0	760.0	700.0	748.0											
MEAN+CI		26.9	174.8	448.8	686.2												
MEAN		17.2	141.8	309.2	522.2	748.0											
MEAN-CI		7.5	108.7	169.6	348.1												
MIN		10.0	31.0	113.0	258.0	748.0											
NUMBER		5.	22.	10.	6.	1.											
SD	0.00	7.79	74.51	195.18	165.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	3.48	15.88	61.72	67.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	45.30	52.55	63.12	31.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	1.416	1.509	1.403	1.288	1.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	1.355	1.204	1.294	1.287	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	1.038	1.123	1.196	1.183	1.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.721	1.042	1.088	1.078	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.772	0.822	0.871	1.028	1.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER		5.	22.	10.	6.	1.											
SD	0.00	0.26	0.18	0.14	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.11	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	24.58	16.26	11.41	8.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LENGTH - WEIGHT REGRESSION

1) THE COEF. OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.978644082

2) N = 108

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -5.320701 + 3.16211510 LOG10(LENGTH)

OR WEIGHT= 0.47788E-05 LENGTH TO THE 3.16211510

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF.	T	S.D.
INTERCEPT	-5.320701	-46.248474	0.115046
SLOPE	3.162115	66.562352	0.047482

5) LOG10(LENGTH) MEANS = 2.419704

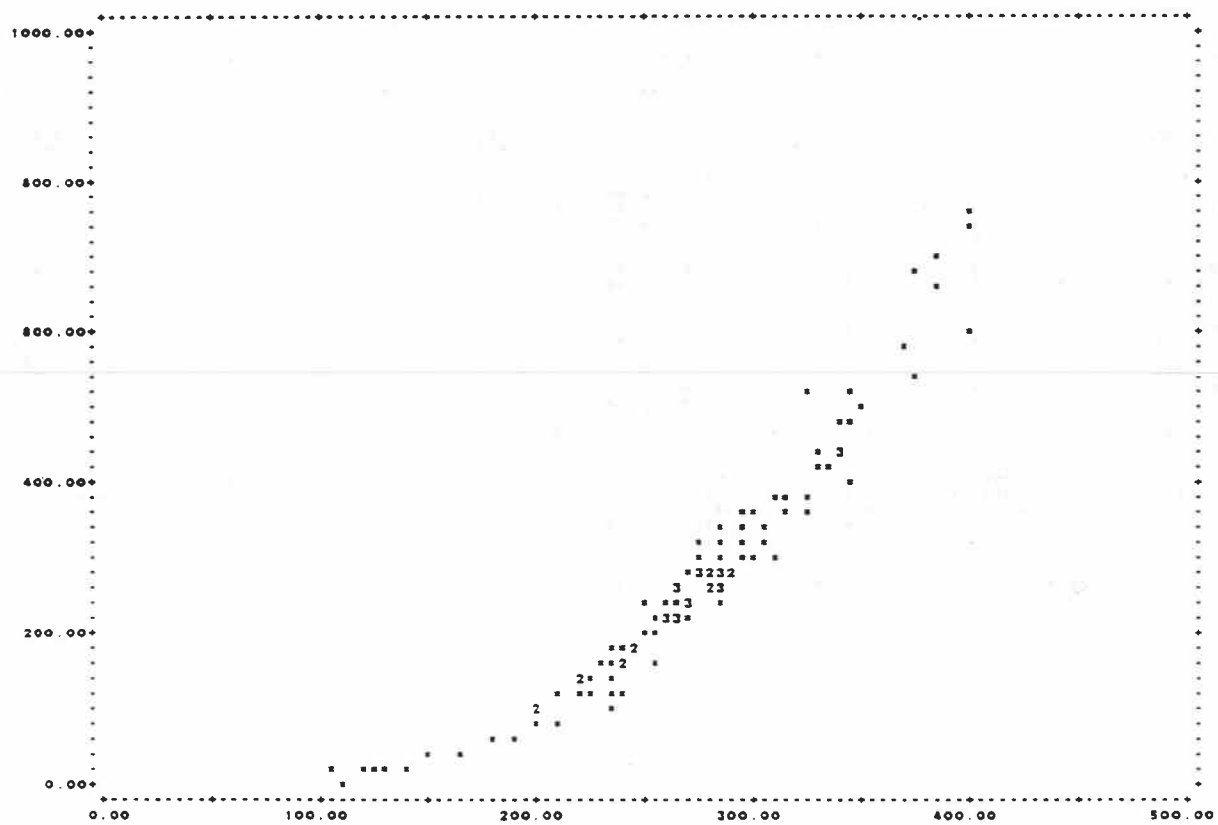
6) LOG10(WEIGHT) MEANS = 2.330663

7) SUM OF X SQUARED = 633.7673 SUM OF SMALL X SQUARED = 1.430664
8) SUM OF Y SQUARED = 601.3120 SUM OF SMALL Y SQUARED = 14.647217
9) SUM OF XY = 613.5867 SUM OF SMALL XY = 4.523926

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	14.30517367	14.30517367	4433.21083750
ERROR	106	0.34204292	0.00322682	
TOTAL	107	14.6472166		

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



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MEDIAN SIZE	275 MM	341 MM	371 MM	0 MM

WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
0- 49	8	7.4	1.01	8	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
50- 99	5	4.6	1.00	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
100- 149	11	10.2	1.10	11	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
150- 199	11	10.2	1.24	11	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 249	15	13.9	1.23	15	1	20.0	1.51	1	0	0.0	0.00	0	0	0.0	0.00	0
250- 299	20	18.5	1.26	20	1	20.0	1.40	1	0	0.0	0.00	0	0	0.0	0.00	0
300- 349	9	8.3	1.27	9	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
350- 399	9	8.3	1.24	9	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 449	6	5.6	1.12	6	1	20.0	0.97	1	0	0.0	0.00	0	0	0.0	0.00	0
450- 499	3	2.8	1.16	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 549	4	3.7	1.25	4	0	0.0	0.00	0	2	50.0	1.11	2	0	0.0	0.00	0
550- 599	2	1.9	1.04	2	1	20.0	0.95	1	1	25.0	1.13	1	0	0.0	0.00	0
600- 649	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
650- 699	2	1.9	1.21	2	0	0.0	0.00	0	1	25.0	1.29	1	0	0.0	0.00	0
700- 749	2	1.9	1.19	2	1	20.0	1.16	1	0	0.0	0.00	0	0	0.0	0.00	0
750- 799	1	0.9	1.21	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	108	100.0	-	108	5	100.0	-	5	4	100.0	-	4	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 1.1895 STDDEV = 0.1546 COEVAR = 13.0163 STDERR = 0.0126 N = 108				MEAN = 1.2011 STDDEV = 0.2523 COEVAR = 21.0101 STDERR = 0.0882 N = 5				MEAN = 1.1563 STDDEV = 0.1090 COEVAR = 9.4114 STDERR = 0.0486 N = 4				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0			
MEDIAN SIZE	260 G				426 G				551 G				0 G			

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J1402	RT	235.	113.		.	3	SC	ES	.	Y 4932	7	6	89	PEACJ	KM15.0	0	0	
J3074	RT	281.	265.		.			ES	.	Y 7825	25	6	88	PEACJ	KM12.3	0	0	
J 484	RT	283.	261.		.		SC	ES	.	Y 4870	12	6	89	PEACJ	KM12.3	0	0	
J1907	RT	396.	760.		.	3	SC	ES	.	Y 4065	19	6	89	PEACJ	KM13.7	0	0	SILVER COLOR
J1298	RT	185.	.		.			ES	.		5	6	89	PEACJ	KM12.7	0	0	
J2150	RT	246.	.		.	2	SC	ES	.	Y 7070	21	6	89	PEACJ	KM12.8	0	0	
J1209	RT	285.	277.		.	2	SC	ES	.	Y 4778	5	6	89	PEACJ	KM12.8	0	0	
J1990	RT	287.	.		.			ES	.	Y 4150	20	6	89	PEACJ	KM12.7	0	0	
J1410	RT	239.	166.		.	3	SC	ES	.	Y 4838	7	6	89	PEACJ	KM15.0	0	0	
J3098	RT	389.	746.	9	.	5	SC	ES	.		25	6	89	PEACJ	KM12.3	1	0	ST15(5COLP,5CHI
J 490	RT	234.	142.		.		SC	ES	.		13	6	89	PEACJ	KM11.8	0	0	
J1885	RT	235.	.		.			ES	.		19	6	89	PEACJ	KM14.3	0	0	
J1397	RT	236.	108.		.	2	SC	ES	.	Y 4828	7	6	89	PEACJ	KM15.0	0	0	
J2006	RT	261.	223.		.			ES	.	Y 4166	20	6	89	PEACJ	KM11.9	0	0	
J 956	RT	200.	.		.			ES	.		4	6	89	PEACJ	KM14.3	0	0	
J1971	RT	243.	188.		.	2	SD	ES	.		19	6	89	PEACJ	KM13.2	1	0	ST15(12DIPT,2COL,1C
J1395	RT	340.	450.		.		SC	ES	.	Y 4826	7	6	89	PEACJ	KM15.0	0	0	
J2272	RT	231.	.		.		SC	ES	.		21	6	89	PEACJ	KM12.2	0	0	
J 488	RT	180.	55.		.	2	SC	ES	.		12	6	89	PEACJ	KM12.3	0	0	
J1906	RT	222.	136.		.			ES	.		19	6	89	PEACJ	KM13.7	0	0	
J1212	RT	341.	490.		.		SC	ES	.	Y 4781	5	6	89	PEACJ	KM12.8	0	0	
J2016	RT	337.	424.		.			ES	.	Y 4174	20	6	89	PEACJ	KM11.9	0	0	
J1980	RT	271.	227.		.		SC	ES	.	Y 4142	20	6	89	PEACJ	KM12.4	0	0	
J3077	RT	287.	284.		.			ES	.	Y 7828	25	6	89	PEACJ	KM12.3	0	0	
J1904	RT	265.	217.		.			ES	.	Y 4063	19	6	89	PEACJ	KM13.7	0	0	
J2012	RT	332.	418.		.			ES	.	Y 4170	20	6	89	PEACJ	KM11.9	0	0	
J1973	RT	262.	212.		.	2	SC	ES	.	Y 4138	19	6	89	PEACJ	KM13.2	0	0	
J2549	RT	286.	284.	1	.	3	SD	ES	.		23	6	89	PEACJ	KM11.2	1	0	ST15(10COLP,5CHIR)
J1906	RT	374.	538.	19	.	4	SC	ES	.		19	6	89	PEACJ	KM13.7	0	0	
J2149	RT	301.	.		.		SC	ES	.	Y 7069	21	6	89	PEACJ	KM12.4	0	0	
J1984	RT	212.	114.		.	2	SC	ES	.		20	6	89	PEACJ	KM12.4	0	0	
J3091	RT	346.	402.	9	.			ES	.	Y 7841	25	6	89	PEACJ	KM12.3	0	0	
J1977	RT	152.	31.		.	2	SC	ES	.		19	6	89	PEACJ	KM13.2	0	0	
J2010	RT	287.	246.		.			ES	.	Y 4165	20	6	89	PEACJ	KM11.9	0	0	
J1982	RT	236.	170.		.	3	SC	ES	.		20	6	89	PEACJ	KM12.4	0	0	
J2274	RT	155.	.		.		SC	ES	.		21	6	89	PEACJ	KM12.2	0	0	
J1991	RT	335.	.		.			ES	.	Y 4151	20	6	89	PEACJ	KM12.7	0	0	
J2021	RT	249.	233.	1	.	2	SD	ES	.		20	6	89	PEACJ	KM11.9	1	0	ST15(14CHIR,1COLP)K
J3079	RT	372.	580.	19	.			ES	.	Y 7830	25	6	88	PEACJ	KM12.3	0	0	
J2014	RT	284.	260.		.			ES	.	Y 4172	20	6	89	PEACJ	KM11.9	0	0	
J3075	RT	285.	212.		.			ES	.	Y 7828	25	6	88	PEACJ	KM12.3	0	0	
J2258	RT	256.	.		.		SC	ES	.	Y 7173	21	6	89	PEACJ	KM12.2	0	0	
J3102	RT	276.	277.		.			ES	.	Y 7860	25	6	88	PEACJ	KM12.0	0	0	

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*****************************************************************************************
***NOTE*** SEPARATE ANALYSIS FOR EACH SPECIES ONLY (ALL LOCATIONS AND SITES GROUPED)***NOTE***
*****************************************************************************************

        SPECIES = RT
        -------------
        LOCATION= PEACJ     SITE(S)=KM14.K  KM14.K  KM12.K  KM09.K  KM13.K  KM14.K  KM10.K  KM09.K  KM12.K  KM11.K
                                    KM10.K  KM09.K  KM11.K  KM14.K  KM09.K  KM13.K  KM15.K  KM10.K  KM12.K  KM10.K
                                    KM12.K  KM10.K  KM13.K  KM09.9  KM12.3  KM10.7  KM10.8  KM13.2  KM15.0  KM09.3
                                    KM11.8  KM12.0  KM08.2  KM13.0  KM11.2  KM13.7  KM12.8  KM14.3  KM14.4  KM12.2
                                    KM13.K  KM15.K  KM12.K  KM15.K  KM11.K  KM13.K  KM12.9  KM13.9  KM11.0  KM12.7
KM13.3  KM11.4  KM11.K
        LOCATION= HALFO     SITE(S)=KM03.9

                                    LENGTH - WEIGHT ANALYSIS
                                    ------------------------

        NO. FISH NOT SEXED = 139


            LENGTH FREQUENCY DISTRIBUTION
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CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
100- 119	3	2.0	0.86	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
120- 139	4	2.6	1.18	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
140- 159	3	2.0	0.86	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
160- 179	2	1.3	1.04	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
180- 199	5	3.3	1.02	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 219	5	3.3	1.14	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
220- 239	14	9.2	1.17	11	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
240- 259	19	12.5	1.21	10	1	12.5	1.51	1	0	0.0	0.00	0	0	0.0	0.00	0
260- 279	29	19.1	1.29	22	1	12.5	1.40	1	0	0.0	0.00	0	0	0.0	0.00	0
280- 299	23	15.1	1.23	19	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 319	13	8.6	1.18	8	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
320- 339	14	9.2	1.18	8	2	25.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
340- 359	7	4.6	1.18	6	1	12.5	0.97	1	1	20.0	1.19	1	0	0.0	0.00	0
360- 379	3	2.0	1.15	3	0	0.0	0.00	0	3	60.0	1.15	3	0	0.0	0.00	0
380- 399	6	3.9	1.13	5	2	25.0	1.06	2	0	0.0	0.00	0	0	0.0	0.00	0
400- 419	2	1.3	0.00	0	1	12.5	0.00	0	1	20.0	0.00	0	0	0.0	0.00	0
TOTALS	152	100.0	-	108	8	100.0	-	5	5	100.0	-	4	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 1.1695 STDDEV = 0.1548 COEVAR = 13.0183 STDERR = 0.0126 N = 108				MEAN = 1.2011 STDDEV = 0.2523 COEVAR = 21.0101 STDERR = 0.0852 N = 5				MEAN = 1.1583 STDDEV = 0.1090 COEVAR = 9.4114 STDERR = 0.0486 N = 4				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0			

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PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
J 462	RT	258.	.		.			ES	.	Y 4955	8	6	89	PEACJ	KM14.4	0	0	
J 431	RT	303.	315.		.		SC	ES	.	Y 4304	3	6	89	PEACJ	KM14.9	0	0	
J3103	RT	242.	189.		.			ES	.	Y 7851	25	6	89	PEACJ	KM12.0	0	0	
H 184	RT	262.	240.		.		SC	ES	.	Y 8153	24	6	89	PEACJ	KM09.4	0	0	
J1451	RT	357.	.		.			ES	.	Y 4994	15	6	89	PEACJ	KM13.7	0	0	
J 444	RT	240.	127.		.	2	SC	ES	.		3	6	89	PEACJ	KM14.9	0	0	
J3307	RT	293.	.		.			ES	.		29	6	89	PEACJ	KM10.7	0	0	HOLDING PEN
H 169	RT	265.	264.		.		SC	ES	.	Y 8140	24	6	89	PEACJ	KM09.8	0	0	
J1214	RT	209.	84.		.	2	SC	ES	.		5	6	89	PEACJ	KM12.8	0	0	
J 441	RT	311.	310.		.		SC	ES	.	Y 4309	3	6	89	PEACJ	KM14.9	0	0	
J3253	RT	310.	382.		.			ES	.	Y 7940	26	6	89	PEACJ	KM09.2	0	0	
J 336	RT	399.	.		.			ES	.	Y 5529	2	6	89	PEACJ	KM14.3	0	0	
J2007	RT	317.	354.		.			ES	.	Y 4165	20	6	89	PEACJ	KM11.9	0	0	
J 458	RT	220.	139.		.	2	SC	ES	.		8	6	89	PEACJ	KM14.4	0	0	
J3325	RT	277.	.		.			ES	.	Y 7974	29	6	89	PEACJ	KM10.7	0	0	
H 176	RT	270.	271.		.		SC	ES	.	Y 8145	24	6	89	PEACJ	KM09.4	0	0	
J 497	RT	377.	690.	19	.	4	SC	ES	.	Y 4978	13	6	89	PEACJ	KM11.6	0	0	VERY DARK
J 432	RT	194.	75.		.	2	SC	ES	.		3	6	89	PEACJ	KM14.9	0	0	
J3122	RT	268.	237.		.			ES	.	Y 7867	25	6	89	PEACJ	KM10.8	0	0	
H 217	RT	349.	506.	19	.		SO	ES	.		24	6	89	PEACJ	KM09.4	1	0	ST12(12PLEC.)
J1849	RT	200.	100.		.			ES	.		19	6	89	PEACJ	KM13.7	0	0	
J 452	RT	331.	435.		.	4	SC	ES	.	Y 4946	8	6	89	PEACJ	KM14.4	0	0	
J3325	RT	311.	.		.			ES	.	Y 7973	29	6	89	PEACJ	KM10.7	0	0	
H 172	RT	256.	356.		.		SC	ES	.	Y 8141	24	6	89	PEACJ	KM09.4	0	0	
J1426	RT	191.	63.		.	2	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	
J 443	RT	280.	255.		.		SC	ES	.	Y 4310	3	6	89	PEACJ	KM14.9	0	0	
J3288	RT	273.	.		.			ES	.	Y 7963	28	6	89	PEACJ	KM10.7	0	0	HOLDING PEN-ESC
J 428	RT	124.	27.		.	1	SC	ES	.		3	6	89	PEACJ	KM14.9	0	0	
J2270	RT	284.	.		.		SC	ES	.	Y 7174	21	6	89	PEACJ	KM12.2	0	0	
J 459	RT	387.	700.		.	4	SC	ES	.	Y 4952	8	6	89	PEACJ	KM14.4	0	0	AD SPAWNER-CRMOUTH
J3334	RT	263.	302.		.			ES	.	Y 7504	23	6	89	PEACJ	KM10.9	0	0	
H 178	RT	230.	168.		.		SC	ES	.	Y 8146	24	6	89	PEACJ	KM09.4	0	0	
J 462	RT	343.	512.		.	4	SC	ES	.	Y 4957	12	6	89	PEACJ	KM12.3	0	0	
H 215	RT	268.	236.		.		SC	ES	.		24	6	89	PEACJ	KM09.4	0	0	
J3117	RT	277.	324.		.			ES	.	Y 7862	25	6	89	PEACJ	KM10.8	0	0	
J 365	RT	339.	443.		.			ES	.	Y 4264	3	6	89	PEACJ	KM14.3	0	0	
J1894	RT	325.	.	9	.			ES	.	Y 4076	19	6	89	PEACJ	KM14.3	0	0	
H 257	RT	244.	188.		.		SC	ES	.	Y 8208	24	6	89	PEACJ	KM09.2	0	0	
J3274	RT	313.	.		.			ES	.		28	6	89	PEACJ	KM10.7	1	0	HOLDING PEN-DEAD
J 430	RT	163.	46.		.	2	SC	ES	.		3	6	89	PEACJ	KM14.9	0	0	
J1401	RT	291.	284.		.		SC	ES	.	Y 4931	7	6	89	PEACJ	KM15.0	0	0	
J3223	RT	275.	297.		.			ES	.	Y 7911	26	6	89	PEACJ	KM09.3	0	0	
J2015	RT	387.	652.		.			ES	.	Y 4173	20	6	89	PEACJ	KM11.9	0	0	
J3303	RT	403.	.	19	.			ES	.	Y 7942	29	6	89	PEACJ	KM10.7	0	0	HOLDING PEN
J 927	RT	191.	.		.			ES	.		4	6	89	PEACJ	KM14.3	0	0	
J3106	RT	386.	596.	9	.			ES	.	Y 7856	25	6	89	PEACJ	KM12.0	0	0	
J1979	RT	306.	350.		.	3	SC	ES	.	Y 4141	20	6	89	PEACJ	KM12.8	0	0	
J3272	RT	286.	.		.			ES	.		28	6	89	PEACJ	KM10.7	1	0	HOLDING PEN
J1434	RT	257.	212.		.	3	SC	ES	.	Y 4981	13	6	89	PEACJ	KM13.0	0	0	
J3178	RT	253.	181.		.			ES	.	Y 7872	26	6	89	PEACJ	KM09.8	0	0	
J3076	RT	295.	302.		.			ES	.	Y 7827	25	6	89	PEACJ	KM12.3	0	0	
J3301	RT	320.	.		.			ES	.	Y 7964	29	6	89	PEACJ	KM10.7	0	0	HOLDING PEN
J 474	RT	325.	388.		.	3	SC	ES	.	Y 4961	12	6	89	PEACJ	KM12.3	0	0	
J3119	RT	278.	281.		.			ES	.	Y 7864	25	6	89	PEACJ	KM10.8	0	0	
J1459	RT	240.	.		.			ES	.	Y 4988	15	6	89	PEACJ	KM13.2	0	0	
J3277	RT	271.	.		.			ES	.	Y 7965	28	6	89	PEACJ	KM10.7	0	0	
J1386	RT	286.	258.		.	4	SC	ES	.	Y 4927	7	6	89	PEACJ	KM15.0	0	0	
J3225	RT	405.	.	9	.			ES	.	Y 7913	26	6	89	PEACJ	KM09.3	0	0	
J2011	RT	276.	272.		.			ES	.	Y 4169	20	6	89	PEACJ	KM11.9	0	0	
J3305	RT	259.	.		.			ES	.	Y 7958	29	6	89	PEACJ	KM10.7	0	0	HOLDING PEN
C 536	RT	258.	.		.			ES	.	Y14045	13	10	88	HALFO	KM03.9	0	0	
J3104	RT	267.	288.		.			ES	.	Y 7852	25	6	89	PEACJ	KM12.0	0	0	
J1972	RT	275.	281.		.	2	SC	ES	.	Y 4137	19	6	89	PEACJ	KM13.2	0	0	
J3254	RT	302.	368.		.			ES	.	Y 7939	26	6	89	PEACJ	KM09.2	0	0	
J1442	RT	265.	241.		.	2	SC	ES	.	Y 4968	13	6	89	PEACJ	KM13.0	0	0	
J3143	RT	295.	360.		.			ES	.		26	6	89	PEACJ	KM08.9	0	0	
J2546	RT	266.	228.		.			ES	.	Y 7378	23	6	89	PEACJ	KM11.2	0	0	
J3293	RT	271.	.		.			ES	.		28	6	89	PEACJ	KM10.7	1	0	
J 467	RT	251.	192.		.	3	SC	ES	.	Y 4971	12	6	89	PEACJ	KM12.3	0	0	
J3118	RT	265.	284.		.			ES	.	Y 7863	25	6	89	PEACJ	KM10.8	0	0	
J1905	RT	286.	314.		.			ES	.	Y 4084	19	6	89	PEACJ	KM13.7	0	0	
J3275	RT	302.	.		.			ES	.		28	6	89	PEACJ	KM10.7	1	0	HOLDING PEN-DEAD
J1411	RT	118.	14.		.	1	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	
J3224	RT	315.	385.		.			ES	.	Y 7912	26	6	89	PEACJ	KM09.3	0	0	
J2148	RT	327.	.	9	.		SC	ES	.	Y 7088	21	6	89	PEACJ	KM12.6	0	0	
J3304	RT	272.	.		.			ES	.	Y 7941	29	6	89	PEACJ	KM10.7	0	0	HOLDING PEN
J1017	RT	147.	.		.			ES	.		4	6	89	PEACJ	KM14.3	0	0	
J3109	RT	139.	26.		.			ES	.		25	6	89	PEACJ	KM12.0	0	0	
J1983	RT	261.	216.		.	2	SC	ES	.	Y 4144	20	6	89	PEACJ	KM12.8	0	0	
J3273	RT	302.	.		.			ES	.		28	6	89	PEACJ	KM10.7	1	0	HOLDING PEN
J1437	RT	128.	24.		.	1	SC	ES	.		13	6	89	PEACJ	KM13.0	0	0	
J3221	RT	326.	524.		.			ES	.	Y 7909	26	6	89	PEACJ	KM09.3	0	0	
J3080	RT	271.	236.		.			ES	.	Y 7831	25	6	89	PEACJ	KM12.3	0	0	
J3302	RT	237.	.		.			ES	.		29	6	89	PEACJ	KM10.7	0	0	HOLDING PEN-CONTROL
J 467	RT	338.	449.		.		SC	ES	.	Y 4967	12	6	89	PEACJ	KM14.4	0	0	
J3121	RT	300.	304.		.			ES	.	Y 7866	25	6	89	PEACJ	KM10.8	0	0	
J1710	RT	248.	.		.			ES	.	Y 3976	17	6	89	PEACJ	KM13.2	0	0	
J3306	RT	326.	.		.			ES	.		29	6	89	PEACJ	KM10.7	0	0	HOLDING PEN
J1387	RT	218.	126.		.	2	SC	ES	.		6	6	89	PEACJ	KM13.7	0	0	
J3246	RT	283.	342.		.			ES	.	Y 7932	26	6	89	PEACJ	KM09.2	0	0	
J2009	RT	325.	365.		.			ES	.	Y 4167	20	6	89	PEACJ	KM11.9	0	0	FRAYED CAUDAL FIN-D
J 878	RT	246.	.		.			ES	.		4	6	89	PEACJ	KM13.7	0	0	
J1970	RT	293.	324.		.		SC	ES	.	Y 4136	19	6	89	PEACJ	KM13.2	0	0	
J1436	RT	288.	279.		.		SC	ES	.	Y 4982	13	6	89	PEACJ	KM13.0	0	0	
J2273	RT	275.	.		.	3	SC	ES	.	Y 7176	21	6	89	PEACJ	KM12.2	0	0	
J 465	RT	225.	119.		.	2	SC	ES	.		12	6	89	PEACJ	KM12.3	0	0	
J1897	RT	124.	.		.			ES	.		19	6	89	PEACJ	KM14.3	0	0	
J1409	RT	103.	11.		.	1	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	
J2017	RT	237.	163.		.			ES	.		20	6	89	PEACJ	KM11.9	0	0	
J1012	RT	250.	.		.			ES	.	Y 4638	4	6	89	PEACJ	KM14.3	0	0	
J1981	RT	240.	152.		.	2	SC	ES	.	Y 4143	20	6	89	PEACJ	KM12.8	0	0	
J1441	RT	345.	477.		.	3	SC	ES	.	Y 4987	13	6	89	PEACJ	KM13.0	0	0	
J3078	RT	257.	198.		.			ES	.	Y 7829	25	6	89	PEACJ	KM12.3	0	0	
J 492	RT	198.	98.		.	2	SC	ES	.		13	6	89	PEACJ	KM11.8	0	0	
J1893	RT	330.	.		.			ES	.	Y 4075	19	6	89	PEACJ	KM14.3	0	0	
J1400	RT	109.	10.		.	1	SC	ES	.		7	6	89	PEACJ	KM15.0	0	0	
J2013	RT	280.	287.		.			ES	.	Y 4171	20	6	89	PEACJ	KM11.9	0	0	
J 528	RT	275.	.		.			ES	.	Y 4405	3	6	89	PEACJ	KM14.4	0	0	
J1976	RT	226.	136.		.	2	SC	ES	.		19	6	89	PEACJ	KM13.2	0	0	

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```
$SIG  RLL1 PRIO=L  P=150 T=30S PACKAGE=LOOSE
Batch,Low,External/Commercial
Last signon was at 18:38:04, Sat Mar 03/90
User RLL1 signed on at 13:49:41, Sat Mar 10/90

The MTS system was down from 10:36 to 11:59 AM MAR/06/90
due to a power failure. Units were reset and disk files
were checked. Sorry for the inconvience.

Warning -- the PWCONFIRM option will be removed shortly.
SET ECHO=OFF TRIM=ON


$CREATE -FSHSC  SIZE=40P
File "-FSHSC" has been created.


$RUN  FISHLOAD 9=FISHCNTRL 10=89SCLHRT.DTA 11=-FSHSC
13:49:44
```

```
*****************************
*****************************
*****************************
*** FISHERIES DATA ANALYSIS ***
***        -------        ***
***   PROGRAMS WRITTEN BY   ***
***   G. ASH  SUMMER, 1978  ***
*****************************
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NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = RT

LOCATION= HALFO SITE(S)=KM03.9

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 1

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
240- 259	1	100.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	1	100.0	-	0	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0

COND. FACTORS SUMMARY	ALL GROUPED	MALES	FEMALES	SEX INDETERMINABLE
MEAN =	0.0000	0.0000	0.0000	0.0000
STDDEV =	0.0000	0.0000	0.0000	0.0000
COEVAR =	0.0000	0.0000	0.0000	0.0000
STDERR =	0.0000	0.0000	0.0000	0.0000
N =	0	0	0	0
MEDIAN SIZE	251 MM	0 MM	0 MM	0 MM

******** SAMPLE SIZE SMALLER THAN 10 NO REGRESSION CALCULATED AND NO LENGTH-WEIGHT PLOTS (ACTUAL N = 0). ********

AGE-GROWTH ANALYSIS

** NO AGE-GROWTH ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

AGE-MATURITY ANALYSIS

** NO AGE-MATURITY ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

AGE-MATURITY ANALYSIS

****

** NO AGE-MATURITY ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

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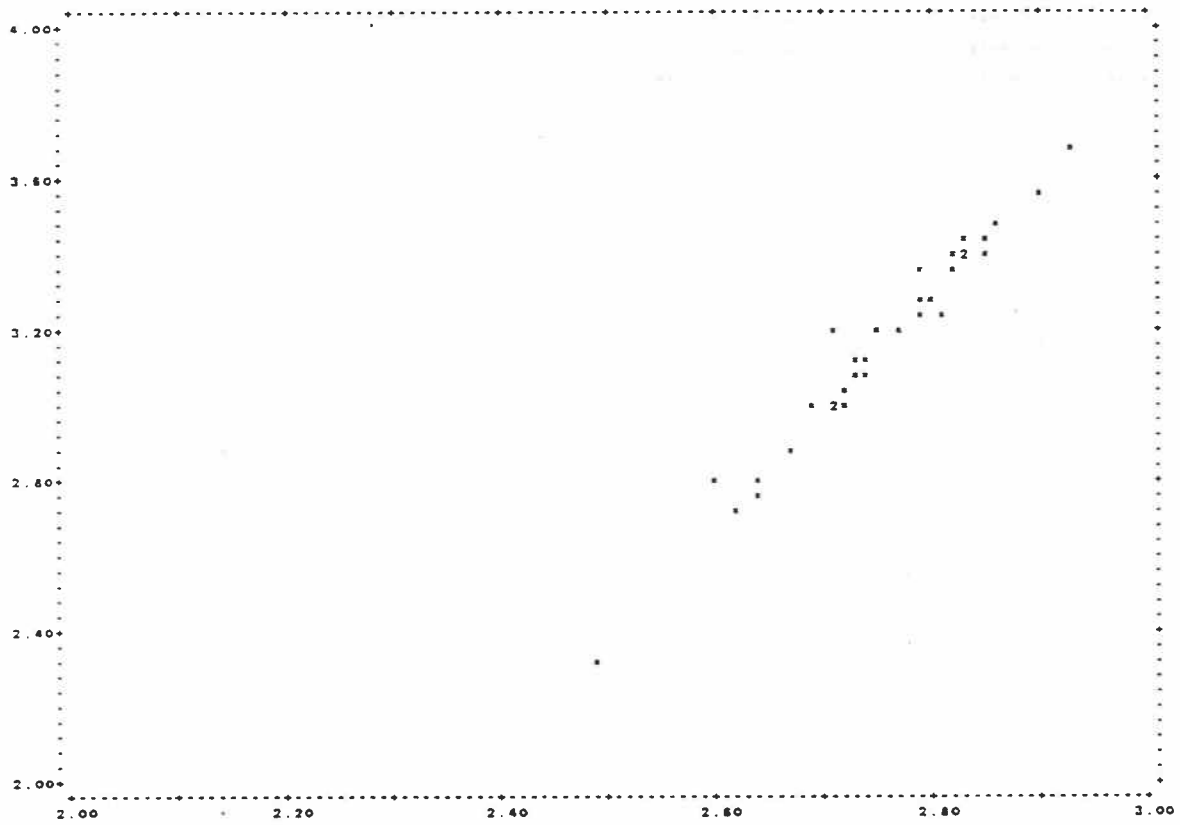
PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE METH	AGE METH	CAPT MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
C 536	RT	259.	.		.			ES .	Y14045	13	10	88	HALFO	KM03.8	0	0	

PLOT OF LOG10 LENGTH (X-AXIS) VRS LOG10 WEIGHT (Y-AXIS)



AGE-GROWTH ANALYSIS

** NO AGE-GROWTH ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

AGE-MATURITY ANALYSIS

** NO AGE-MATURITY ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

LENGTH - WEIGHT REGRESSION

1) THE COEF. OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.969860196

2) N = 33

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -5.029892 + 2.97410202 LOG10(LENGTH)

OR WEIGHT= 0.93349E-06 LENGTH TO THE 2.97410202

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF.	T	S.D
INTERCEPT	-5.029892	-19.385910	0.259461
SLOPE	2.974102	31.563572	0.094166

5) LOG10(LENGTH) MEANS = 2.753845

6) LOG10(WEIGHT) MEANS = 3.160324

7) SUM OF X SQUARED = 250.5361 SUM OF SMALL X SQUARED = 0.275162

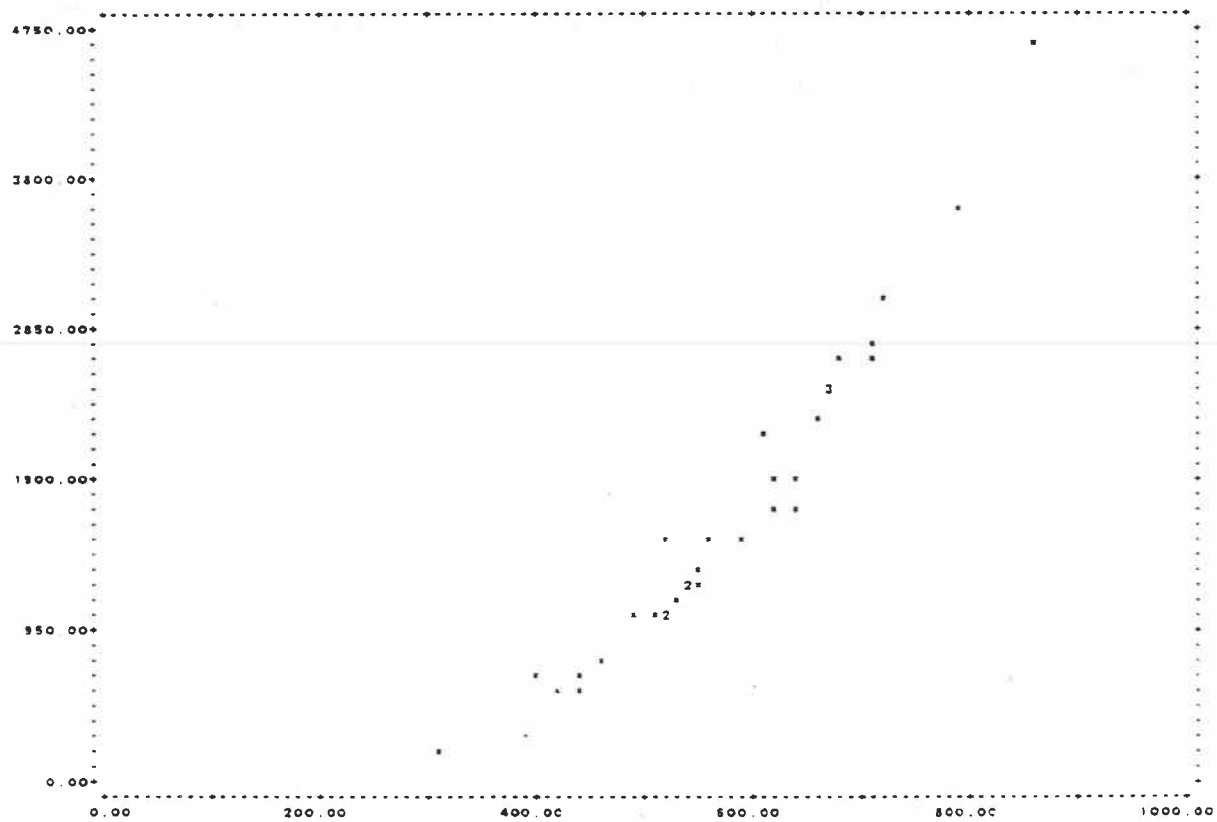
8) SUM OF Y SQUARED = 332.1016 SUM OF SMALL Y SQUARED = 2.509521

9) SUM OF XY = 286.0186 SUM OF SMALL XY = 0.416604

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	2.43368367	2.43368367	997.52197266
ERROR	31	0.07583782	0.00243993	
TOTAL	32	2.5095215		

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
200- 299	1	3.0	0.70	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 599	2	6.1	0.72	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 699	2	6.1	0.90	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 799	1	3.0	0.76	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
900- 999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1000-1099	4	12.1	0.77	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1100-1199	1	3.0	0.76	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1200-1299	3	9.1	0.78	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1300-1399	1	3.0	0.81	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1400-1499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1500-1599	3	9.1	0.91	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1600-1699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1700-1799	2	6.1	0.71	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1800-1899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1900-1999	2	6.1	0.77	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2000-2099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2100-2199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2200-2299	1	3.0	0.96	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2300-2399	1	3.0	0.81	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2400-2499	2	6.1	0.80	2	0	0.0	0.00	0	1	100.0	0.80	1	0	0.0	0.00	0
2500-2599	1	3.0	0.84	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2600-2699	2	6.1	0.80	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2700-2799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2800-2899	1	3.0	0.80	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2900-2999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3000-3099	1	3.0	0.80	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3100-3199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3200-3299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3300-3399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3400-3499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3500-3599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3600-3699	1	3.0	0.74	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3700-3799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3800-3899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3900-3999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4000-4099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4100-4199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4200-4299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4300-4399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4400-4499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4500-4599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4600-4699	1	3.0	0.74	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	33	100.0	-	33	0	0.0	-	0	1	100.0	-	1	0	0.0	-	0

	ALL GROUPED	MALES	FEMALES	SEX INDETERMINABLE
COND. FACTORS SUMMARY	MEAN = 0.7968 STDDEV = 0.0939 COEVAR = 11.7811 STDERR = 0.0122 N = 33	MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0	MEAN = 0.8036 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 1	MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0
MEDIAN SIZE	1551 G	0 G	2451 G	0 G

NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = NP

LOCATION= PEACO SITE(S)= . KM10.5 KM02.6 KM05.8 KM07.6 KM10.9 KM07.1 KM09.8 KM13.7 KM10.2
KM06.7 KM06.1 KM12.5 KM11.5 KM09.5 KM06.6 KM04.5 KM12.4 KM08.0

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 58

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
260- 279	1	1.7	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
280- 299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 319	1	1.7	0.70	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
320- 339	1	1.7	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
340- 359	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
360- 379	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
380- 399	1	1.7	1.05	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 419	1	1.7	0.74	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
420- 439	3	5.1	0.73	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
440- 459	2	3.4	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
460- 479	2	3.4	0.76	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
480- 499	2	3.4	0.88	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 519	5	8.5	0.87	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
520- 539	7	11.9	0.77	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
540- 559	6	10.2	0.77	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
560- 579	3	5.1	0.87	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
580- 599	2	3.4	0.76	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 619	4	6.8	0.85	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
620- 639	4	6.8	0.74	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
640- 659	3	5.1	0.81	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
660- 679	4	6.8	0.83	4	0	0.0	0.00	0	1	100.0	0.80	1	0	0.0	0.00	0
680- 699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 719	2	3.4	0.77	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
720- 739	1	1.7	0.80	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
740- 759	1	1.7	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
760- 779	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
780- 799	1	1.7	0.74	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 819	1	1.7	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
820- 839	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
840- 859	1	1.7	0.74	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	58	100.0	-	33	0	0.0	-	0	1	100.0	-	1	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 0.7984 STDDEV = 0.0935 COEVAR = 11.7811 STDERR = 0.0122 N = 33				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 0.8038 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 1				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0			
MEDIAN SIZE	552 MM				0 MM				671 MM				0 MM			

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PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
M 87	NP	310.	210.		.		CS	ES	.		23	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02105	NP	611.	2200.		.		SC	ES	.	Y15514	16	10	89	PEACO	KM10.5	0	0	
02802	NP	264.	.		.			ES	.		24	10	89	PEACO	KM02.6	0	0	
02871	NP	321.	.		.			ES	.		22	10	89	PEACO	KM05.9	1	0	
02095	NP	621.	1900.		.		SC	ES	.	Y15509	16	10	89	PEACO	KM10.5	0	0	
M 44	NP	464.	784.		.		SC	ES	.		17	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 51	NP	614.	1750.		.		SC	ES	.		18	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02360	NP	457.	.		.			ES	.	Y15680	21	10	89	PEACO	KM07.8	0	0	
02965	NP	664.	2500.		.			ES	.	Y15325	14	10	89	PEACO	KM10.9	0	0	USED FOR TRANS. IMP
02421	NP	445.	.		.			ES	.	Y15685	21	10	89	PEACO	KM07.1	0	0	
M 58	NP	790.	3650.		.		CS	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02138	NP	463.	.		.			ES	.		17	10	89	PEACO	KM09.9	1	0	
M 50	NP	675.	2650.		.		SC	ES	.		18	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 53	NP	645.	1305.		.		CS	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 54	NP	639.	1755.		.		CS	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 56	NP	419.	544.		.		CS	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02962	NP	710.	2630.		.			ES	.	Y13694	11	10	89	PEACO	KM13.7	0	0	USED FOR TRANS. IMP
M 90	NP	435.	574.		.		SC	ES	.		23	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02295	NP	625.	.		.			ES	.	Y15598	19	10	89	PEACO	KM10.2	0	0	
02478	NP	497.	.		.			ES	.	Y15696	21	10	89	PEACO	KM06.7	0	0	
02366	NP	655.	.		.			ES	.	Y15681	21	10	89	PEACO	KM07.8	0	0	
02654	NP	552.	.		.			ES	.		22	10	89	PEACO	KM06.1	1	0	
02117	NP	750.	.		.			ES	.	Y15368	17	10	89	PEACO	KM10.2	0	0	
02960	NP	513.	1005.		.			ES	.	Y13666	9	10	89	PEACO	KM12.5	0	0	USED FOR TRANS. IMP
02964	NP	455.	4650.		.			ES	.	Y15243	14	10	89	PEACO	KM10.9	0	0	USED FOR TRANS. IMP
01923	NP	547.	.		.			ES	.	Y15472	16	10	89	PEACO	KM11.5	1	0	
02126	NP	800.	.		.			ES	.	Y15374	17	10	89	PEACO	KM09.9	0	0	
02142	NP	515.	.		.			ES	.	Y15535	17	10	89	PEACO	KM09.8	0	0	
M 94	NP	636.	1926.		.		CS	ES	.		24	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02419	NP	552.	.		.			ES	.	Y15683	21	10	89	PEACO	KM07.1	0	0	
M 52	NP	657.	2300.		.		SC	ES	.		18	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 82	NP	396.	652.		.		SC	ES	.		21	10	89	PEACO	.	1	0	MERCURY ANALYSIS
01849	NP	673.	2450.		.			ES	.		14	10	89	PEACO	KM10.9	1	0	
M 84	NP	515.	1010.		.		CS	ES	.		23	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02338	NP	615.	.		.			ES	.	Y15676	20	10	89	PEACO	KM06.6	0	0	
03064	NP	555.	.		.			ES	.		23	10	89	PEACO	KM04.5	1	0	
M 26	NP	673.	2450.	16	.		CS	ES	.		14	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 88	NP	521.	1030.		.		CS	ES	.		23	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02311	NP	650.	.		.			ES	.	Y15655	20	10	89	PEACO	KM10.2	0	0	
02983	NP	518.	1550.		.			ES	.	Y15615	24	10	89	PEACO	KM04.5	0	0	USED FOR TRANS. IMP
02968	NP	705.	2800.		.			ES	.	Y15347	15	10	89	PEACO	KM10.9	0	0	USED FOR TRANS. IMP
02873	NP	527.	.		.			ES	.	.	22	10	89	PEACO	KM05.9	1	0	
02963	NP	720.	3000.		.			ES	.	Y13739	12	10	89	PEACO	KM12.4	0	0	USED FOR TRANS. IMP
02969	NP	490.	1010.		.			ES	.		15	10	89	PEACO	KM10.9	0	0	USED FOR TRANS. IMP
02310	NP	531.	.		.			ES	.	Y15656	20	10	89	PEACO	KM10.2	0	0	
M 95	NP	538.	1225.		.		SC	ES	.		24	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 55	NP	552.	1235.		.		CS	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 85	NP	634.	1280.		.		CS	ES	.		23	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02879	NP	434.	.		.			ES	.		22	10	89	PEACO	KM05.9	1	0	

02108	NP	522.	.		.			ES	.	Y15359	17	10	89	PEACO	KM10.2	0	0	
M 91	NP	630.	1125.		.		SC	ES	.		23	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02333	NP	502.	.		.			ES	.	Y15673	20	10	89	PEACO	KM06.6	0	0	
M 89	NP	437.	633.		.		CS	ES	.		23	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02981	NP	560	1525.		.			ES	.	Y15613	24	10	89	PEACO	KM02.6	0	0	USED FOR TRANS. IMP
02110	NP	578.	.		.			ES	.	Y15360	17	10	89	PEACO	KM10.2	0	0	
02319	NP	573	.		.			ES	.	Y15660	20	10	89	PEACO	KM08.0	0	0	
02141	NP	567.	.		.			ES	.	Y15534	17	10	89	PEACO	KM09.8	0	0	
M 86	NP	591.	1565		.		CS	ES	.		23	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02856	NP	600.	.		.			ES	.		22	10	89	PEACO	KM06.1	1	0	

AGE-GROWTH ANALYSIS

ALL GROUPED

AGE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX						525.0			790.0	836.0							
MEAN+CI																	
MEAN						525.0			790.0	836.0							
MEAN-CI																	
MIN						525.0			790.0	836.0							
NUMBER						1.			1.	1.							
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX						1000.0			3900.0	4200.0							
MEAN+CI																	
MEAN						1000.0			3900.0	4200.0							
MEAN-CI																	
MIN						1000.0			3900.0	4200.0							
NUMBER						1.			1.	1.							
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	0.000	0.000	0.000	0.891	0.000	0.000	0.791	0.719	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.891	0.000	0.000	0.791	0.719	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	0.000	0.000	0.891	0.000	0.000	0.791	0.719	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER						1.			1.	1.							
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NO MALES IN AGED SAMPLE

NO FEMALES IN AGED SAMPLE

NO SEX INDETERMINABLE IN AGED SAMPLE

AGE-MATURITY ANALYSIS

** NO AGE-MATURITY ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
200- 299	1	12.5	0.74	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 899	1	12.5	0.75	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
900- 999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1000-1099	1	12.5	0.69	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1100-1199	1	12.5	0.85	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1200-1299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1300-1399	1	12.5	0.70	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1400-1499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1500-1599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1600-1699	1	12.5	0.83	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1700-1799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1800-1899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1900-1999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2000-2099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2100-2199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2200-2299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2300-2399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2400-2499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2500-2599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2600-2699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2700-2799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2800-2899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2900-2999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3000-3099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3100-3199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3200-3299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3300-3399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3400-3499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3500-3599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3600-3699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3700-3799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3800-3899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3900-3999	1	12.5	0.79	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4000-4099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4100-4199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4200-4299	1	12.5	0.72	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	8	100.0	-	8	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0
COND. FACTORS SUMMARY		MEAN =	0.7574			MEAN =	0.0000			MEAN =	0.0000			MEAN =	0.0000	
		STDDEV =	0.0594			STDDEV =	0.0000			STDDEV =	0.0000			STDDEV =	0.0000	
		COEVAR =	7.8378			COEVAR =	0.0000			COEVAR =	0.0000			COEVAR =	0.0000	
		STDERR =	0.0171			STDERR =	0.0000			STDERR =	0.0000			STDERR =	0.0000	
		N =	8			N =	0			N =	0			N =	0	
MEDIAN SIZE		1301 G				0 G				0 G				0 G		

******** SAMPLE SIZE SMALLER THAN 10 NO REGRESSION CALCULATED AND NO LENGTH-WEIGHT PLOTS (ACTUAL N = 8). ********

NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = NP

LOCATION= PEACN SITE(S)=KM06.8 KM13.1 KM02.6 KM04.3 KM06.4 KM08.9 KM06.1 KM13.4 KM03.0

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 12

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
320- 339	1	8.3	0.74	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
340- 359	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
360- 379	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
380- 399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 419	1	8.3	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
420- 439	2	16.7	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
440- 459	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
460- 479	1	8.3	0.75	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
480- 499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 519	1	8.3	0.85	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
520- 539	1	8.3	0.89	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
540- 559	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
560- 579	1	8.3	0.70	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
580- 599	1	8.3	0.83	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 619	1	8.3	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
620- 639	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
640- 659	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
660- 679	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
680- 699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 719	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
720- 739	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
740- 759	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
760- 779	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
780- 799	1	8.3	0.79	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 819	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
820- 839	1	8.3	0.72	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	12	100.0	-	8	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0
COND FACTORS SUMMARY			MEAN = 0.7674 STDDEV = 0.0584				MEAN = 0.0000 STDDEV = 0.0000				MEAN = 0.0000 STDDEV = 0.0000				MEAN = 0.0000 STDDEV = 0.0000	
			COEVAR = 7.6378 STDERR = 0.0171 N = 8				COEVAR = 0.0000 STDERR = 0.0000 N = 0				COEVAR = 0.0000 STDERR = 0.0000 N = 0				COEVAR = 0.0000 STDERR = 0.0000 N = 0	
MEDIAN SIZE			521 MM				0 MM				0 MM				0 MM	

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AGE-GROWTH ANALYSIS

****

** NO AGE-GROWTH ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

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AGE-MATURITY ANALYSIS

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** NO AGE-MATURITY ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

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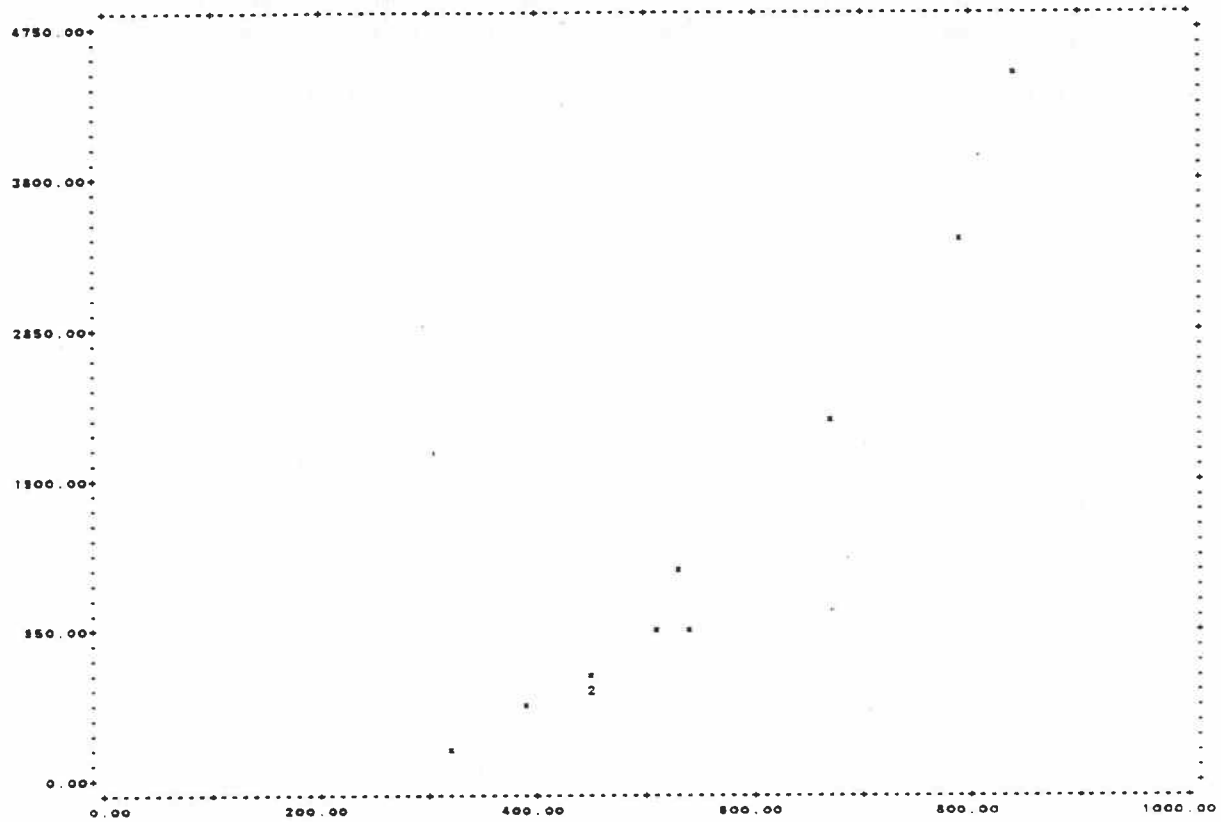
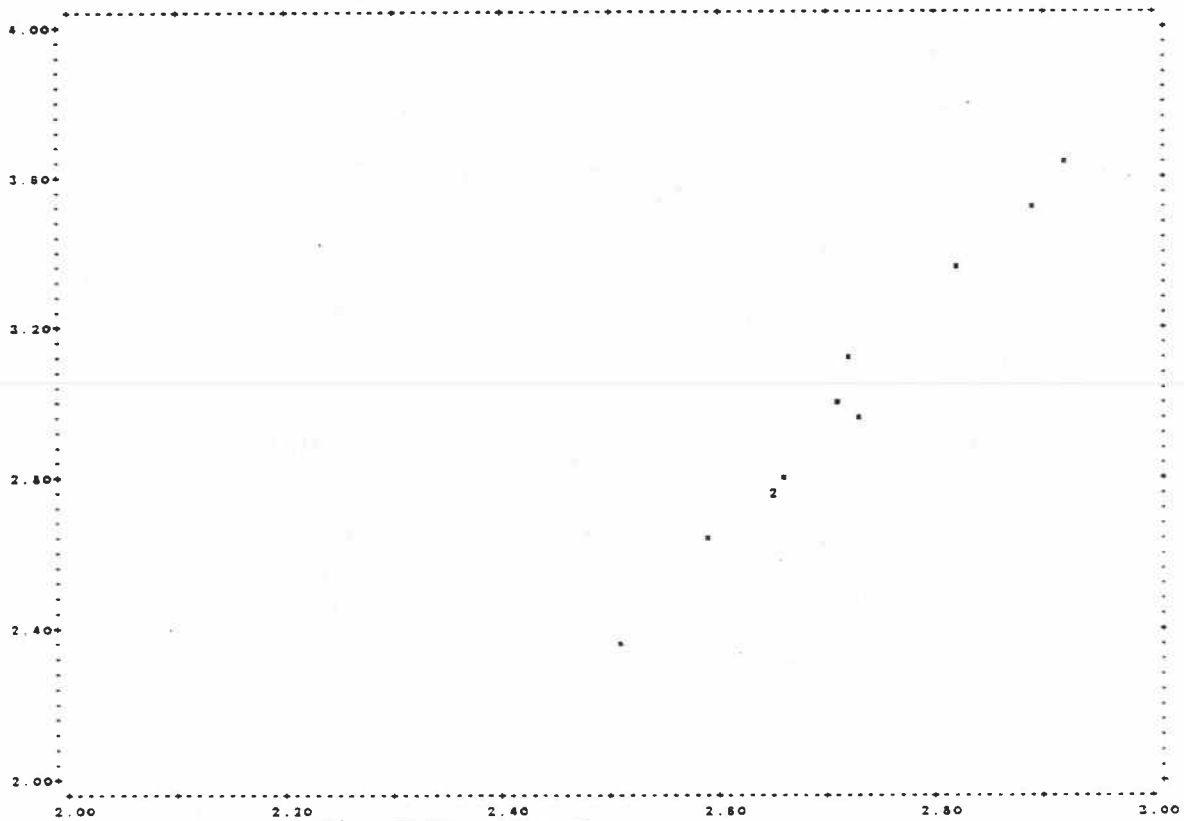
PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
A4847	NP	790.	3900.		.	8	FR	ES	.	Y13506	30	8	89	PEACN	KM05.9	0	0	
A 970	NP	338.	284.		.			ES	.	8185	15	8	89	PEACN	KM13.1	0	0	
A3898	NP	835.	4200.		.	9	FR	ES	.	Y11744	27	8	89	PEACN	KM02.6	0	0	PREV. TAGGED 8306 F
A3728	NP	419.			.			ES	.	Y11807	25	8	89	PEACN	KM04.3	0	0	
A4380	NP	579.	1350.		.		FR	ES	.	Y13131	29	8	89	PEACN	KM06.4	0	0	
A4844	NP	509.	1120.		.		FR	ES	.	Y13504	30	8	89	PEACN	KM05.9	0	0	
A3257	NP	589.	1890.		.			ES	.	Y10779	24	8	89	PEACN	KM06.9	0	0	
A4817	NP	474.	800.		.		FR	ES	.	Y13463	30	8	89	PEACN	KM06.1	0	0	
A3960	NP	605.	.		.			ES	.	Y10503	23	8	89	PEACN	KM13.4	0	0	
A3813	NP	423.	.		.			ES	.	Y11681	27	8	89	PEACN	KM03.0	0	0	
A3830	NP	427.	.		.			ES	.	Y11669	27	8	89	PEACN	KM03.0	0	0	
A4355	NP	525.	1000.		.	5	FR	ES	.	Y13128	29	8	89	PEACN	KM06.4	0	0	

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



PLOT OF LOG10 LENGTH (X-AXIS) VRS LOG10 WEIGHT (Y-AXIS)



CONDI. FACTORS SUMMARY	MEAN = 0.7119 STDDEV = 0.0631 COEVAR = 11.6779 STDERR = 0.0231 N = 11	MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0	MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0	MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0
MEDIAN SIZE	926 G	0 G	0 G	0 G

LENGTH - WEIGHT REGRESSION

1) THE COEF. OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.985871749

2) N = 11

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -5.507829 + 3.13176060 LOG10(LENGTH)

OR WEIGHT= 0.31058E-05 LENGTH TO THE 3.13176060

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF.	T	S.D.
INTERCEPT	-5.507829	-16.277573	0.338369
SLOPE	3.131761	25.150818	0.124519

5) LOG10(LENGTH) MEANS = 2.714785

6) LOG10(WEIGHT) MEANS = 2.984226

7) SUM OF X SQUARED = 81.2272 SUM OF SMALL X SQUARED = 0.156670

8) SUM OF Y SQUARED = 100.1768 SUM OF SMALL Y SQUARED = 1.557480

9) SUM OF XY = 89.9058 SUM OF SMALL XY = 0.490356

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	1.53563118	1.53563118	632.56347656
ERROR	9	0.02184868	0.00242763	
TOTAL	10	1.5574799		

	COEVAR = 11.6779 STDERR = 0.0231 N = 11	COEVAR = 0.0000 STDERR = 0.0000 N = 0	COEVAR = 0.0000 STDERR = 0.0000 N = 0	COEVAR = 0.0000 STDERR = 0.0000 N = 0
MEDIAN SIZE	526 MM	0 MM	0 MM	0 MM

WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
200- 299	1	9.1	0.70	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 499	1	9.1	0.71	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 599	2	18.2	0.63	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 699	1	9.1	0.69	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
900- 999	2	18.2	0.67	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1000-1099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1100-1199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1200-1299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1300-1399	1	9.1	0.90	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1400-1499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1500-1599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1600-1699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1700-1799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1800-1899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1900-1999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2000-2099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2100-2199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2200-2299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2300-2399	1	9.1	0.78	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2400-2499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2500-2599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2600-2699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2700-2799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2800-2899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
2900-2999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3000-3099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3100-3199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3200-3299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3300-3399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3400-3499	1	9.1	0.70	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3500-3599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3600-3699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3700-3799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3800-3899	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
3900-3999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4000-4099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4100-4199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4200-4299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4300-4399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4400-4499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
4500-4599	1	9.1	0.77	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	11	100.0	-	11	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0

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PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
H 340	NP	454.	642.		.		SC	ES	.	Y 8281	26	6	89	PEACJ	KM02.5	0	0	
J2207	NP	608.	.		.			ES	.	Y 7117	21	6	89	PEACJ	KM12.7	0	0	
J1431	NP	321.	230.		.		SC	ES	.	Y 4979	13	6	89	PEACJ	KM13.0	0	0	
J1300	NP	665.	2300.		.			ES	.	Y 4842	5	6	89	PEACJ	KM12.7	0	0	
H 303	NP	447.	560.		.		SC	ES	.	Y 8247	25	6	89	PEACJ	KM05.2	0	0	
J1892	NP	631.	.		.			ES	.	Y 4074	18	6	89	PEACJ	KM13.6	0	0	
H 424	NP	450.	570.		.		SC	ES	.	Y 8382	27	6	89	PEACJ	KM01.1	0	0	
H 422	NP	785.	3400.		.		SC	ES	.	Y 8360	27	6	89	PEACJ	KM01.1	0	0	
J1215	NP	527.	1310.		.		SC	ES	.	Y 4782	5	6	89	PEACJ	KM12.8	0	0	
H 366	NP	835.	4500.		.		SC	ES	.	Y 8306	26	6	89	PEACJ	KM02.6	0	0	
H 396	NP	393.	428.		.		SC	ES	.	Y 8334	27	6	89	PEACJ	KM01.2	0	0	
H 458	NP	511.	976.		.		SC	ES	.	Y 8393	27	6	89	PEACJ	KM02.6	0	0	
H 423	NP	539.	952.		.		SC	ES	.	Y 8361	27	6	89	PEACJ	KM01.1	0	0	

NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = NP

LOCATION= PEACJ SITE(S)=KM02.5 KM12.7 KM13.0 KM05.2 KM13.6 KM01.1 KM12.8 KM02.6 KM01.2

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 13

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
320- 339	1	7.7	0.70	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
340- 359	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
360- 379	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
380- 399	1	7.7	0.71	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 419	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
420- 439	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
440- 459	3	23.1	0.85	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
460- 479	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
480- 499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 519	1	7.7	0.73	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
520- 539	2	15.4	0.75	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
540- 559	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
560- 579	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
580- 599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 619	1	7.7	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
620- 639	1	7.7	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
640- 659	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
660- 679	1	7.7	0.78	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
680- 699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 719	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
720- 739	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
740- 759	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
760- 779	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
780- 799	1	7.7	0.70	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 819	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
820- 839	1	7.7	0.77	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	13	100.0	-	11	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0
CONO FACTORS SUMMARY			MEAN = 0.7119 STDDEV = 0.0831				MEAN = 0.0000 STDDEV = 0.0000				MEAN = 0.0000 STDDEV = 0.0000				MEAN = 0.0000 STDDEV = 0.0000	

NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = NP

LOCATION= HALFO SITE(S)=KM03.9

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 1

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
840- 859	1	100.0	0.74	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	1	100.0	-	1	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0

COND. FACTORS SUMMARY	ALL GROUPED	MALES	FEMALES	SEX INDETERMINABLE
MEAN =	0.7440	0.0000	0.0000	0.0000
STDDEV =	0.0000	0.0000	0.0000	0.0000
COEVAR =	0.0000	0.0000	0.0000	0.0000
STDERR =	0.0000	0.0000	0.0000	0.0000
N =	1	0	0	0
MEDIAN SIZE	851 MM	0 MM	0 MM	0 MM

WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
4600-4699	1	100.0	0.74	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	1	100.0	-	1	0	0.0	-	0	0	0.0	-	0	0	0.0	-	0

COND. FACTORS SUMMARY	ALL GROUPED	MALES	FEMALES	SEX INDETERMINABLE
MEAN =	0.7440	0.0000	0.0000	0.0000
STDDEV =	0.0000	0.0000	0.0000	0.0000
COEVAR =	0.0000	0.0000	0.0000	0.0000
STDERR =	0.0000	0.0000	0.0000	0.0000
N =	1	0	0	0
MEDIAN SIZE	4661 G	0 G	0 G	0 G

******** SAMPLE SIZE SMALLER THAN 10 NO REGRESSION CALCULATED AND NO LENGTH-WEIGHT PLOTS (ACTUAL N = 1) ********

AGE-GROWTH ANALYSIS

** NO AGE-GROWTH ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

AGE-MATURITY ANALYSIS

** NO AGE-MATURITY ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **

AGE-GROWTH ANALYSIS

FEMALES ONLY

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX							315.0	355.0	396.0		422.0						
MEAN+CI											480.5						
MEAN							315.0	355.0	396.0		417.0						
MEAN-CI											353.5						
MIN							315.0	355.0	396.0		412.0						
NUMBER							1.	1.	1.		2.						
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.07	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX							418.0	502.0	852.0		1100.0						
MEAN+CI											2305.7						
MEAN							418.0	502.0	852.0		897.0						
MEAN-CI											-311.7						
MIN							418.0	502.0	852.0		894.0						
NUMBER							1.	1.	1.		2.						
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145.66	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.61	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	0.000	0.000	0.000	0.000	1.337	1.122	1.372	0.000	1.573	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.816	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	1.337	1.122	1.372	0.000	1.381	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-1.054	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	0.000	0.000	0.000	1.337	1.122	1.372	0.000	1.190	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER							1.	1.	1.		2.						
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.62	0.00	0.00	0.00	0.00	0.00	0.00

NO SEX INDETERMINABLE IN AGED SAMPLE

AGE-MATURITY ANALYSIS

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER	TOTAL
SEX/ MAT.																		
99																		0
1																		0
2																		0
3																		0
4																		0
5																		0
6						2												2
7																		0
8																		0
9																		0
10																		0
11																		0
12																		0
13																		0
14																		0
15																		0
16							1	1	1		2							5
17																		0
18																		0
19																		0
20																		0
TOTAL						2	1	1	1		2							7

AGE-GROWTH ANALYSIS

ALL GROUPED

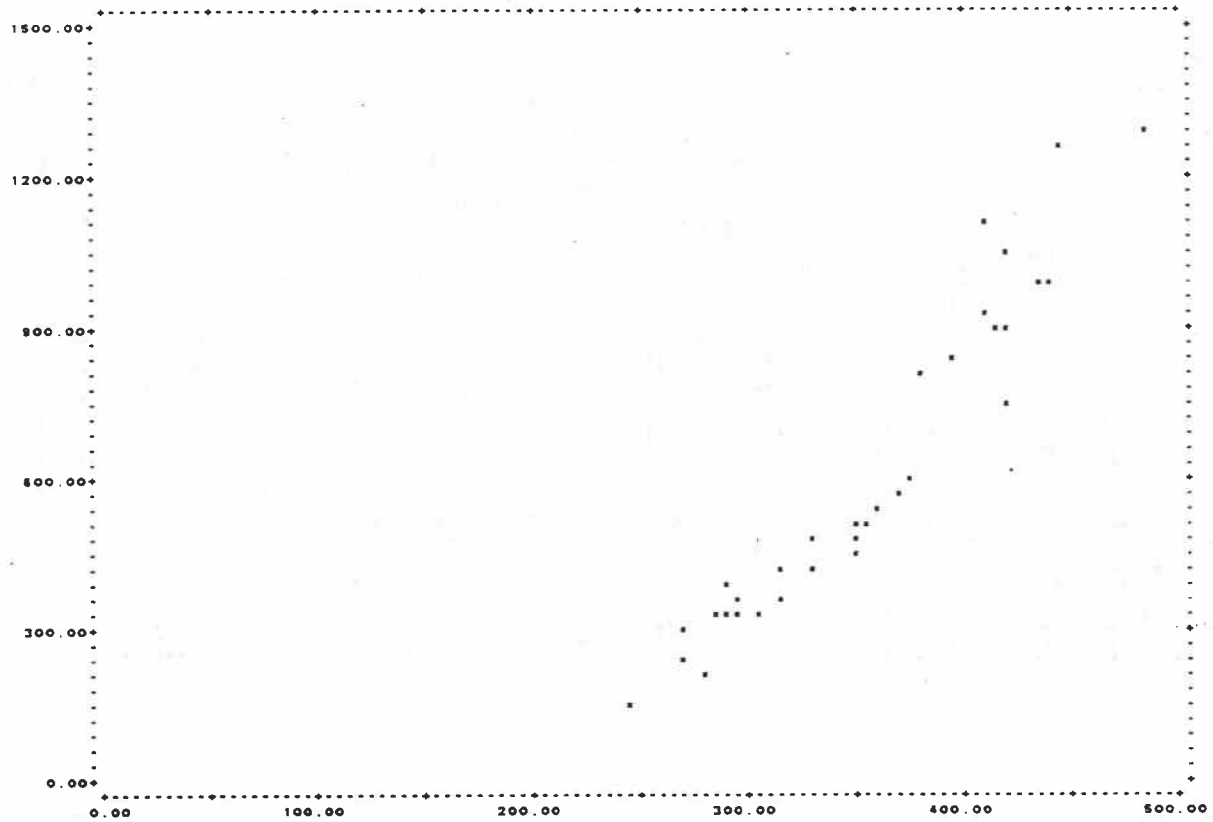
AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX					280.0	329.0	344.0	380.0	396.0	420.0	435.0		445.0		487.0		
MEAN+CI						327.7	350.6	402.9		425.7	437.4		474.3				
MEAN					280.0	300.0	335.3	370.0	396.0	415.7	422.3		442.5		487.0		
MEAN-CI						272.3	309.9	337.1		405.5	407.1		410.7				
MIN					280.0	272.0	315.0	355.0	396.0	412.0	412.0		440.0		487.0		
NUMBER					1.	5.	4.	3.	1.	3.	4.		2.		1.		
SD	0.00	0.00	0.00	0.00	0.00	22.28	15.95	13.23	0.00	4.04	9.54	0.00	3.54	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	9.96	7.97	7.64	0.00	2.33	4.77	0.00	2.50	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	7.43	4.76	3.58	0.00	0.97	2.26	0.00	0.50	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX					222.0	474.0	486.0	806.0	852.0	1060.0	1100.0		1260.0		1289.0		
MEAN+CI						454.4	506.5	1021.3		1176.1	1174.0		2840.3				
MEAN					222.0	376.4	442.5	634.0	852.0	962.0	933.0		1125.0		1289.0		
MEAN-CI						298.4	378.5	246.7		747.9	892.0		-590.3				
MIN					222.0	306.0	406.0	502.0	852.0	898.0	744.0		990.0		1289.0		
NUMBER					1.	5.	4.	3.	1.	3.	4.		2.		1.		
SD	0.00	0.00	0.00	0.00	0.00	82.66	40.21	155.90	0.00	88.19	151.48	0.00	190.92	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	28.11	20.11	90.01	0.00	49.76	75.75	0.00	135.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	18.70	9.09	24.58	0.00	8.98	16.24	0.00	16.97	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	0.000	0.000	1.011	1.807	1.337	1.469	1.372	1.431	1.573	0.000	1.430	0.000	1.116	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	0.000	1.611	1.361	1.733	0.000	1.556	1.622	0.000	2.996	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	0.000	0.000	1.011	1.397	1.178	1.239	1.372	1.338	1.244	0.000	1.296	0.000	1.116	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	0.000	1.183	0.995	0.745	0.000	1.120	0.865	0.000	-0.404	0.000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	0.000	1.011	1.165	1.066	1.122	1.372	1.256	1.004	0.000	1.162	0.000	1.116	0.000	0.000
NUMBER					1.	5.	4.	3.	1.	3.	4.		2.		1.		
SD	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.20	0.00	0.08	0.24	0.00	0.19	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.11	0.00	0.05	0.12	0.00	0.13	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	12.35	9.79	18.06	0.00	6.55	19.14	0.00	14.80	0.00	0.00	0.00	0.00

AGE-GROWTH ANALYSIS

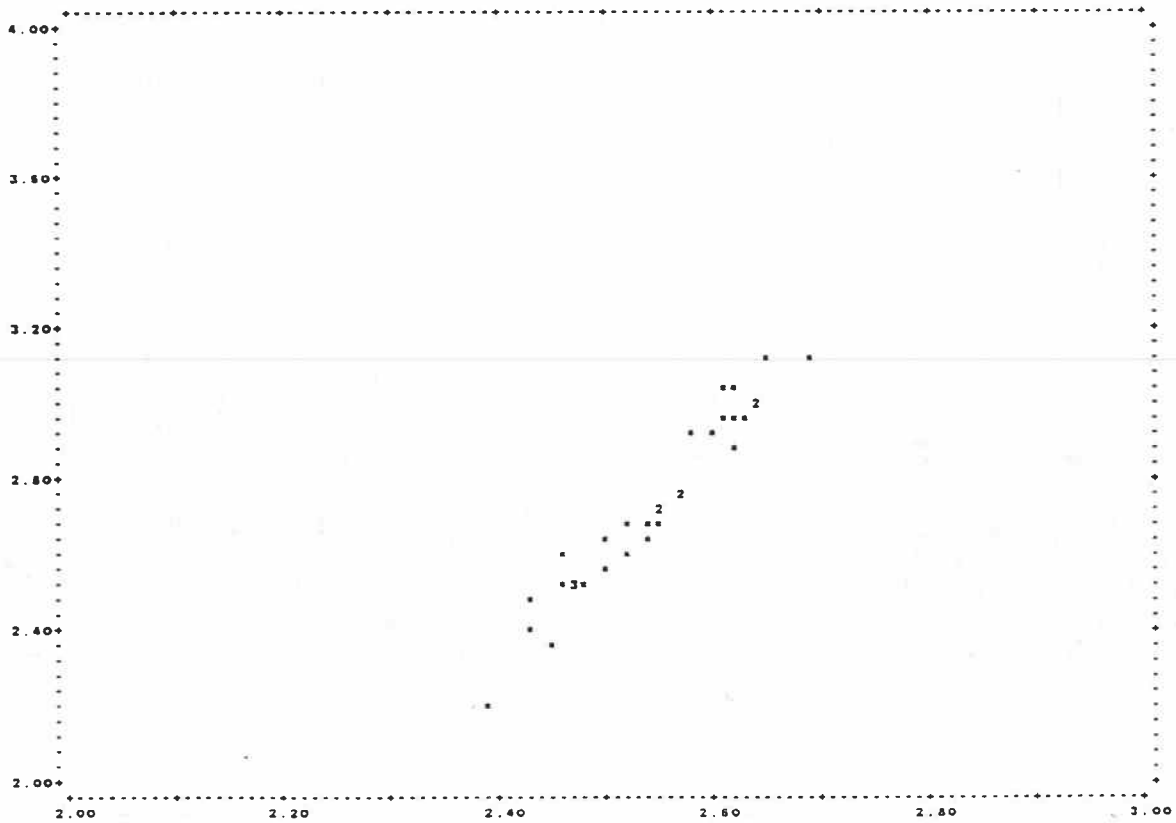
MALES ONLY

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX						294.0											
MEAN+CI						422.8											
MEAN						283.0											
MEAN-CI						143.2											
MIN						272.0											
NUMBER						2.											
SD	0.00	0.00	0.00	0.00	0.00	15.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX						346.0											
MEAN+CI						580.1											
MEAN						328.0											
MEAN-CI						71.8											
MIN						306.0											
NUMBER						2.											
SD	0.00	0.00	0.00	0.00	0.00	28.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	0.000	0.000	0.000	1.521	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	0.000	2.452	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	1.441	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	0.000	0.431	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	0.000	0.000	1.362	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER						2.											
SD	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



PLOT OF LOG10 LENGTH (X-AXIS) VRS LOG10 WEIGHT (Y-AXIS)



WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
150- 199	1	3.0	1.12	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 249	2	6.1	1.12	2	0	0.0	0.00	0	1	10.0	1.22	1	0	0.0	0.00	0
250- 299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 349	6	18.2	1.35	6	4	100.0	1.34	4	1	10.0	1.29	1	0	0.0	0.00	0
350- 399	2	6.1	1.39	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 449	2	6.1	1.23	2	0	0.0	0.00	0	1	10.0	1.34	1	0	0.0	0.00	0
450- 499	4	12.1	1.18	4	0	0.0	0.00	0	1	10.0	1.08	1	0	0.0	0.00	0
500- 549	2	6.1	1.15	2	0	0.0	0.00	0	2	20.0	1.15	2	0	0.0	0.00	0
550- 599	2	6.1	1.14	2	0	0.0	0.00	0	1	10.0	1.15	1	0	0.0	0.00	0
600- 649	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
650- 699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 749	1	3.0	1.00	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
750- 799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 849	1	3.0	1.47	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
850- 899	3	9.1	1.27	3	0	0.0	0.00	0	2	20.0	1.28	2	0	0.0	0.00	0
900- 949	1	3.0	1.33	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
950- 999	2	6.1	1.18	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1000-1049	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1050-1099	1	3.0	1.43	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1100-1149	1	3.0	1.57	1	0	0.0	0.00	0	1	10.0	1.57	1	0	0.0	0.00	0
1150-1199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1200-1249	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1250-1299	2	6.1	1.27	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	33	100.0	-	33	4	100.0	-	4	10	100.0	-	10	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 1.2567 STDDEV = 0.1592 COEVAR = 12.6706 STDERR = 0.0030 N = 33				MEAN = 1.3442 STDDEV = 0.1386 COEVAR = 10.1646 STDERR = 0.0114 N = 4				MEAN = 1.2519 STDDEV = 0.1459 COEVAR = 11.6537 STDERR = 0.0131 N = 10				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0			
MEDIAN SIZE	494 G				326 G				526 G				0 G			

LENGTH - WEIGHT REGRESSION

1) THE COEF OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.945620537

2) N = 33

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -4.771636 + 2.94794083 LOG10(LENGTH)

OR WEIGHT= 0.16919E-04 LENGTH TO THE 2.94794083

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF.	T	S.D.
INTERCEPT	-4.771636	-14.770650	0.323046
SLOPE	2.947941	23.217756	0.126969

5) LOG10(LENGTH) MEANS = 2.543181

6) LOG10(WEIGHT) MEANS = 2.725452.

7) SUM OF X SQUARED = 213.8251 SUM OF SMALL X SQUARED = 0.191966

8) SUM OF Y SQUARED = 246.6814 SUM OF SMALL Y SQUARED = 1.784374

9) SUM OF XY = 229.2977 SUM OF SMALL XY = 0.565948

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	1.66842747	1.66842747	539.06445313
ERROR	31	0.09594631	0.00309504	
TOTAL	32	1.7643738		

University of Alberta

NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = MW

LOCATION= PEACO SITE(S)= . KM02.6 KM04.3 KM04.4 KM04.5 KM04.6 KM04.7 KM05.4 KM05.9 KM06.1
KM06.3 KM06.5 KM06.6 KM06.7 KM07.1 KM07.8 KM09.1 KM09.4 KM09.9 KM10.2
KM10.5 KM10.7 KM10.8 KM10.9 KM11.2 KM11.3 KM11.5 KM11.6 KM11.7 KM12.1
KM12.4 KM12.5 KM12.6 KM12.7 KM12.8 KM12.9 KM13.0 KM13.1 KM13.2 KM13.3
KM13.5 KM13.6 KM13.7 KM13.9 KM14.1 KM14.2 KM14.3 KM14.4 KM14.6 KM14.8
KM14.9

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED =2478

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
120- 139	1	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
140- 159	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
160- 179	7	0.3	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
180- 199	27	1.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 219	17	0.6	0.00	0	1	0.7	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
220- 239	107	3.9	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
240- 259	192	7.0	1.12	1	2	1.4	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
260- 279	423	15.4	1.37	2	15	10.4	1.52	1	5	4.0	1.22	1	0	0.0	0.00	0
280- 299	635	23.1	1.34	6	23	16.0	1.33	2	13	10.5	1.29	1	0	0.0	0.00	0
300- 319	529	19.3	1.23	3	23	16.0	1.19	1	21	16.9	1.34	1	0	0.0	0.00	0
320- 339	339	12.3	1.23	2	22	15.3	0.00	0	15	12.1	0.00	0	0	0.0	0.00	0
340- 359	203	7.4	1.13	5	24	16.7	0.00	0	14	11.3	1.13	3	0	0.0	0.00	0
360- 379	101	3.7	1.14	2	13	9.0	0.00	0	12	9.7	1.15	1	0	0.0	0.00	0
380- 399	65	2.4	1.42	2	12	8.3	0.00	0	10	8.1	1.37	1	0	0.0	0.00	0
400- 419	52	1.9	1.39	3	6	4.2	0.00	0	17	13.7	1.57	1	0	0.0	0.00	0
420- 439	30	1.1	1.21	4	3	2.1	0.00	0	8	6.5	1.18	1	0	0.0	0.00	0
440- 459	11	0.4	1.30	2	0	0.0	0.00	0	5	4.0	0.00	0	0	0.0	0.00	0
460- 479	3	0.1	0.00	0	0	0.0	0.00	0	2	1.6	0.00	0	0	0.0	0.00	0
480- 499	4	0.1	1.12	1	0	0.0	0.00	0	2	1.6	0.00	0	0	0.0	0.00	0
TOTALS	2746	100.0	-	33	144	100.0	-	4	124	100.0	-	10	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 1.2587 STDDEV = 0.1582 COEVAR = 12.6705 STDERR = 0.0030				MEAN = 1.3442 STDDEV = 0.1366 COEVAR = 10.1646 STDERR = 0.0114				MEAN = 1.2519 STDDEV = 0.1459 COEVAR = 11.6537 STDERR = 0.0131				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000			
	N = 33				N = 4				N = 10				N = 0			
MEDIAN SIZE	299 MM				328 MM				352 MM				0 MM			

O	882	MW	280.				ES			11	10	89	PEACO	KM14.4	O	O
O	873	MW	282.				ES		Y13721	11	10	89	PEACO	KM14.4	O	O
O	886	MW	320.				ES		Y13755	11	10	89	PEACO	KM14.4	O	O
O	851	MW	286.				ES		Y13703	11	10	89	PEACO	KM14.4	O	O
O	905	MW	310.				ES		Y13770	11	10	89	PEACO	KM14.4	O	O
C	191	MW	315.				ES		Y13803	11	10	89	PEACO	KM14.4	O	O
O	874	MW	328.				ES		Y13720	11	10	89	PEACO	KM14.4	O	O
O	864	MW	301.				ES		Y13712	11	10	89	PEACO	KM14.4	O	O
O	898	MW	270.				ES		Y13765	11	10	89	PEACO	KM14.4	O	O
O	872	MW	317.				ES		Y13719	11	10	89	PEACO	KM14.4	O	O
O	865	MW	298.				ES		Y13713	11	10	89	PEACO	KM14.4	O	O
C	185	MW	307.				ES		Y13796	11	10	89	PEACO	KM14.4	O	O
O	910	MW	287.				ES		Y13774	11	10	89	PEACO	KM14.4	O	O
O	854	MW	313.				ES		Y13705	11	10	89	PEACO	KM14.4	O	O
O	889	MW	292.				ES		Y13757	11	10	89	PEACO	KM14.4	O	O
C	195	MW	314.				ES		Y13806	11	10	89	PEACO	KM14.4	O	O
O	871	MW	335.				ES		Y13718	11	10	89	PEACO	KM14.4	O	O
O	907	MW	249.				ES			11	10	89	PEACO	KM14.4	O	O
O	889	MW	289.				ES		Y13766	11	10	89	PEACO	KM14.4	O	O
O	878	MW	283.				ES			11	10	89	PEACO	KM14.4	O	O
O	884	MW	309.				ES		Y13753	11	10	89	PEACO	KM14.4	O	O
O	857	MW	287.				ES			11	10	89	PEACO	KM14.4	O	O
O	863	MW	324.				ES			11	10	89	PEACO	KM14.4	O	O
O	912	MW	274.				ES		Y13725	11	10	89	PEACO	KM14.4	O	O
O	909	MW	288.				ES		Y13773	11	10	89	PEACO	KM14.4	O	O
O	895	MW	292.				ES		Y13762	11	10	89	PEACO	KM14.4	O	O
C	193	MW	305.				ES		Y13804	11	10	89	PEACO	KM14.4	O	O
O	880	MW	326.				ES		Y13750	11	10	89	PEACO	KM14.4	O	O
O	914	MW	244.				ES			11	10	89	PEACO	KM14.4	O	O
O	885	MW	256.				ES		Y13754	11	10	89	PEACO	KM14.4	O	O
O	893	MW	262.				ES		Y13780	11	10	89	PEACO	KM14.4	O	O
O	844	MW	336.				ES		Y13699	11	10	89	PEACO	KM14.4	O	O
O	875	MW	328.				ES		Y13722	11	10	89	PEACO	KM14.4	O	O
O	879	MW	274.				ES			11	10	89	PEACO	KM14.4	O	O
O	868	MW	275.				ES			11	10	89	PEACO	KM14.4	O	O
O	852	MW	330.				ES		Y13704	11	10	89	PEACO	KM14.4	O	O
O	874	MW	328.				ES		Y13720	11	10	89	PEACO	KM14.4	O	O
O	818	MW	318.				ES		Y13683	11	10	89	PEACO	KM14.5	O	O
C	173	MW	282.				ES		Y13788	11	10	89	PEACO	KM14.5	O	O
O	803	MW	329.				ES			11	10	89	PEACO	KM14.5	O	O
O	826	MW	318.				ES			11	10	89	PEACO	KM14.5	O	O
O	805	MW	254.				ES			11	10	89	PEACO	KM14.5	O	O
C	162	MW	378.				ES			10	10	89	PEACO	KM14.5	O	O
C	179	MW	285.				ES		Y13793	11	10	89	PEACO	KM14.5	O	O
C	166	MW	326.				ES		Y13781	11	10	89	PEACO	KM14.5	O	O
C	170	MW	284.				ES		Y13785	11	10	89	PEACO	KM14.5	O	O
O	820	MW	294.				ES		Y13684	11	10	89	PEACO	KM14.5	O	O
O	839	MW	302.				ES			11	10	89	PEACO	KM14.5	O	O
O	810	MW	278.				ES			11	10	89	PEACO	KM14.5	O	O
O	835	MW	298.				ES		Y13693	11	10	89	PEACO	KM14.5	O	O
O	808	MW	286.				ES		Y13676	11	10	89	PEACO	KM14.5	O	O
C	169	MW	306.				ES		Y13784	11	10	89	PEACO	KM14.5	O	O
O	821	MW	294.				ES		Y13685	11	10	89	PEACO	KM14.5	O	O
O	828	MW	324.				ES			11	10	89	PEACO	KM14.5	O	O
O	836	MW	305.				ES			11	10	89	PEACO	KM14.5	O	O
C	159	MW	297.				ES			10	10	89	PEACO	KM14.5	O	O
C	171	MW	284.				ES		Y13786	11	10	89	PEACO	KM14.5	O	O
C	181	MW	290.				ES			11	10	89	PEACO	KM14.5	O	O
O	819	MW	323.				ES			11	10	89	PEACO	KM14.5	O	O
C	177	MW	283.				ES		Y13792	11	10	89	PEACO	KM14.5	O	O

O	817	MW	283.				ES		Y13682	11	10	89	PEACO	KM14.5	O	O
O	841	MW	324.				ES		Y13697	11	10	89	PEACO	KM14.5	O	O
O	838	MW	282.				ES			11	10	89	PEACO	KM14.5	O	O
O	824	MW	300.				ES		Y13687	11	10	89	PEACO	KM14.5	O	O
O	814	MW	279.				ES			11	10	89	PEACO	KM14.5	O	O
O	825	MW	336.				ES		Y13688	11	10	89	PEACO	KM14.5	O	O
C	180	MW	283.				ES			11	10	89	PEACO	KM14.5	O	O
O	823	MW	300.				ES			11	10	89	PEACO	KM14.5	O	O
O	831	MW	319.				ES		Y13691	11	10	89	PEACO	KM14.5	O	O
C	183	MW	274.				ES			10	10	89	PEACO	KM14.5	O	O
C	182	MW	282.				ES			11	10	89	PEACO	KM14.5	O	O
O	842	MW	307.				ES		Y13698	11	10	89	PEACO	KM14.5	O	O
O	813	MW	304.				ES		Y13679	11	10	89	PEACO	KM14.5	O	O
O	833	MW	288.				ES		Y13692	11	10	89	PEACO	KM14.5	O	O
C	176	MW	257.				ES		Y13791	11	10	89	PEACO	KM14.5	O	O
C	160	MW	279.				ES			10	10	89	PEACO	KM14.5	O	O
O	815	MW	297.				ES		Y13680	11	10	89	PEACO	KM14.5	O	O
C	178	MW	249.				ES			11	10	89	PEACO	KM14.5	O	O
O	827	MW	252.				ES		Y13689	11	10	89	PEACO	KM14.5	O	O
O	830	MW	217.				ES			11	10	89	PEACO	KM14.5	O	O
O	807	MW	347.				ES		Y13675	11	10	89	PEACO	KM14.5	O	O
O	832	MW	237.				ES			11	10	89	PEACO	KM14.5	O	O
C	187	MW	319.				ES		Y13782	11	10	89	PEACO	KM14.5	O	O
O	806	MW	274.				ES		Y13677	11	10	89	PEACO	KM14.5	O	O
C	174	MW	280.				ES		Y13789	11	10	89	PEACO	KM14.5	O	O
C	181	MW	288.				ES			10	10	89	PEACO	KM14.5	O	O
C	188	MW	320.				ES		Y13783	11	10	89	PEACO	KM14.5	O	O
O	804	MW	307.				ES			11	10	89	PEACO	KM14.5	O	O
C	172	MW	287.				ES		Y13787	11	10	89	PEACO	KM14.5	O	O
C	175	MW	283.				ES		Y13790	11	10	89	PEACO	KM14.5	O	O
O	806	MW	284.				ES			11	10	89	PEACO	KM14.5	O	O
O	811	MW	281.				ES			11	10	89	PEACO	KM14.5	O	O
O	829	MW	212.				ES			11	10	89	PEACO	KM14.5	O	O
C	155	MW	289.				ES			10	10	89	PEACO	KM14.5	O	O
C	145	MW	279.				ES			10	10	89	PEACO	KM14.5	O	O
C	146	MW	314.				ES			10	10	89	PEACO	KM14.5	O	O
C	151	MW	274.				ES			10	10	89	PEACO	KM14.5	O	O
C	144	MW	298.				ES			10	10	89	PEACO	KM14.5	O	O
C	147	MW	282.				ES			10	10	89	PEACO	KM14.5	O	O
C	153	MW	294.				ES			10	10	89	PEACO	KM14.5	O	O
C	154	MW	277.				ES			10	10	89	PEACO	KM14.5	O	O
C	156	MW	274.				ES			10	10	89	PEACO	KM14.5	O	O
C	146	MW	290.				ES			10	10	89	PEACO	KM14.5	O	O
C	152	MW	280.				ES			10	10	89	PEACO	KM14.5	O	O
C	157	MW	272.				ES			10	10	89	PEACO	KM14.5	O	O
C	149	MW	286.				ES			10	10	89	PEACO	KM14.5	O	O
C	150	MW	272.				ES			10	10	89	PEACO	KM14.5	O	O
O	795	MW	327.				ES			10	10	89	PEACO	KM14.9	O	O
O	781	MW	275.				ES			10	10	89	PEACO	KM14.9	O	O
O	791	MW	317.				ES			10	10	89	PEACO	KM14.9	O	O
O	787	MW	298.				ES			10	10	89	PEACO	KM14.9	O	O
O	780	MW	291.				ES			10	10	89	PEACO	KM14.9	O	O
O	784	MW	287.				ES			10	10	89	PEACO	KM14.9	O	O
O	777	MW	246.				ES			10	10	89	PEACO	KM14.9	O	O
O	779	MW	262.				ES			10	10	89	PEACO	KM14.9	O	O
O	778	MW	278.				ES			10	10	89	PEACO	KM14.9	O	O
O	783	MW	317.				ES			10	10	89	PEACO	KM14.9	O	O

University of Alberta

C	206	MW	262.	.	.	.	ES	.	Y13817	11	10	89	PEACO	KM14.3	0	0
O	953	MW	252.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	927	MW	328.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	958	MW	332.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	211	MW	280.	.	.	.	ES	.	Y13822	11	10	89	PEACO	KM14.3	0	0
C	223	MW	263.	.	.	.	ES	.	Y13831	11	10	89	PEACO	KM14.3	0	0
O	921	MW	276.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	941	MW	358.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	217	MW	285.	.	.	.	ES	.	Y13828	11	10	89	PEACO	KM14.3	0	0
C	210	MW	299.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	1	0
C	213	MW	243.	.	.	.	ES	.	Y13824	11	10	89	PEACO	KM14.3	0	0
C	218	MW	246.	.	.	.	ES	.	Y13830	11	10	89	PEACO	KM14.3	0	0
O	943	MW	268.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	947	MW	315.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	929	MW	292.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	963	MW	292.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	919	MW	313.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	962	MW	308.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	961	MW	306.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	922	MW	348.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	942	MW	302.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	214	MW	282.	.	.	.	ES	.	Y13825	11	10	89	PEACO	KM14.3	0	0
O	949	MW	292.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	923	MW	287.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	960	MW	272.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	201	MW	286.	.	.	.	ES	.	Y13812	11	10	89	PEACO	KM14.3	0	0
C	205	MW	372.	.	.	.	ES	.	Y13816	11	10	89	PEACO	KM14.3	0	0
O	920	MW	296.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	202	MW	264.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	1	0
O	926	MW	319.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	952	MW	305.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	956	MW	282.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	215	MW	315.	.	.	.	ES	.	Y13826	11	10	89	PEACO	KM14.3	0	0
C	226	MW	282.	.	.	.	ES	.	Y13833	11	10	89	PEACO	KM14.3	0	0
C	209	MW	252.	.	.	.	ES	.	Y13821	11	10	89	PEACO	KM14.3	0	0
O	915	MW	281.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	939	MW	219.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	208	MW	245.	.	.	.	ES	.	Y13820	11	10	89	PEACO	KM14.3	0	0
O	916	MW	225.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	959	MW	275.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	924	MW	265.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	935	MW	286.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	937	MW	246.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	951	MW	232.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	944	MW	224.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	950	MW	255.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	945	MW	258.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	221	MW	239.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	964	MW	264.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	220	MW	233.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	957	MW	265.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	966	MW	336.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	207	MW	278.	.	.	.	ES	.	Y13818	11	10	89	PEACO	KM14.3	0	0
O	931	MW	282.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	212	MW	292.	.	.	.	ES	.	Y13823	11	10	89	PEACO	KM14.3	0	0
C	216	MW	288.	.	.	.	ES	.	Y13827	11	10	89	PEACO	KM14.3	0	0
C	224	MW	272.	.	.	.	ES	.	Y13832	11	10	89	PEACO	KM14.3	0	0
O	930	MW	289.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	965	MW	248.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	225	MW	234.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0

O	938	MW	236.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	222	MW	179.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	936	MW	286.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	198	MW	262.	.	.	.	ES	.	Y13809	11	10	89	PEACO	KM14.3	0	0
C	204	MW	286.	.	.	.	ES	.	Y13815	11	10	89	PEACO	KM14.3	0	0
C	203	MW	380.	.	.	.	ES	.	Y13814	11	10	89	PEACO	KM14.3	0	0
O	932	MW	278.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	948	MW	252.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	928	MW	274.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	955	MW	243.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
C	200	MW	262.	.	.	.	ES	.	Y13811	11	10	89	PEACO	KM14.3	0	0
C	199	MW	257.	.	.	.	ES	.	Y13810	11	10	89	PEACO	KM14.3	0	0
C	219	MW	294.	.	.	.	ES	.	Y13829	11	10	89	PEACO	KM14.3	0	0
O	967	MW	250.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	925	MW	278.	.	.	.	ES	.		11	10	89	PEACO	KM14.3	0	0
O	869	MW	304.	.	.	.	ES	.	Y13716	11	10	89	PEACO	KM14.4	0	0
O	903	MW	277.	.	.	.	ES	.	Y13768	11	10	89	PEACO	KM14.4	0	0
O	860	MW	330.	.	.	.	ES	.	Y13704	11	10	89	PEACO	KM14.4	0	0
O	886	MW	278.	.	.	.	ES	.	Y13763	11	10	89	PEACO	KM14.4	0	0
O	874	MW	326.	.	.	.	ES	.	Y13720	11	10	89	PEACO	KM14.4	0	0
O	870	MW	290.	.	.	.	ES	.	Y13717	11	10	89	PEACO	KM14.4	0	0
C	186	MW	298.	.	.	.	ES	.	Y13801	11	10	89	PEACO	KM14.4	0	0
O	904	MW	258.	.	.	.	ES	.	Y13769	11	10	89	PEACO	KM14.4	0	0
O	881	MW	280.	.	.	.	ES	.	Y13751	11	10	89	PEACO	KM14.4	0	0
O	877	MW	341.	.	.	.	ES	.	Y13724	11	10	89	PEACO	KM14.4	0	0
O	908	MW	306.	.	.	.	ES	.	Y13772	11	10	89	PEACO	KM14.4	0	0
C	184	MW	308.	.	.	.	ES	.	Y13785	11	10	89	PEACO	KM14.4	0	0
O	858	MW	291.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
O	847	MW	297.	.	.	.	ES	.	Y13701	11	10	89	PEACO	KM14.4	0	0
O	911	MW	244.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
O	801	MW	320.	.	.	.	ES	.	Y13787	11	10	89	PEACO	KM14.4	0	0
C	194	MW	256.	.	.	.	ES	.	Y13805	11	10	89	PEACO	KM14.4	0	0
O	876	MW	222.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
O	848	MW	414.	.	.	.	ES	.	Y13702	11	10	89	PEACO	KM14.4	0	0
O	856	MW	300.	.	.	.	ES	.	Y13707	11	10	89	PEACO	KM14.4	0	0
C	183	MW	261.	.	.	.	ES	.	Y13784	11	10	89	PEACO	KM14.4	0	0
O	890	MW	297.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
O	859	MW	322.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
O	906	MW	280.	.	.	.	ES	.	Y13771	11	10	89	PEACO	KM14.4	0	0
O	874	MW	326.	.	.	.	ES	.	Y13720	11	10	89	PEACO	KM14.4	0	0
C	187	MW	266.	.	.	.	ES	.	Y13787	11	10	89	PEACO	KM14.4	0	0
O	849	MW	316.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
O	913	MW	306.	.	.	.	ES	.	Y13728	11	10	89	PEACO	KM14.4	0	0
O	888	MW	304.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
O	900	MW	278.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
O	855	MW	336.	.	.	.	ES	.	Y13706	11	10	89	PEACO	KM14.4	0	0
O	891	MW	267.	.	.	.	ES	.	Y13758	11	10	89	PEACO	KM14.4	0	0
O	843	MW	305.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
O	866	MW	287.	.	.	.	ES	.	Y13714	11	10	89	PEACO	KM14.4	0	0
O	861	MW	282.	.	.	.	ES	.	Y13709	11	10	89	PEACO	KM14.4	0	0
C	189	MW	282.	.	.	.	ES	.	Y13800	11	10	89	PEACO	KM14.4	0	0
O	884	MW	318.	.	.	.	ES	.	Y13761	11	10	89	PEACO	KM14.4	0	0
C	192	MW	213.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	0	0
C	190	MW	279.	.	.	.	ES	.	Y13802	11	10	89	PEACO	KM14.4	0	0
O	897	MW	322.	.	.	.	ES	.	Y13764	11	10	89	PEACO	KM14.4	0	0
O	883	MW	305.	.	.	.	ES	.	Y13752	11	10	89	PEACO	KM14.4	0	0
O	902	MW	201.	.	.	.	ES	.		11	10	89	PEACO	KM14.4	1	0
O	862	MW	294.	.	.	.	ES	.	Y13710	11	10	89	PEACO	KM14.4	0	0
O	867	MW	293.	.	.	.	ES	.	Y13715	11	10	89	PEACO	KM14.4	0	0
O	883	MW	326.	.	.	.	ES	.	Y13711	11	10	89	PEACO	KM14.4	0	0

0	207	MW	338.				ES	8	10	89	PEACO	KM13.9	0	0
0	227	MW	317.				ES	8	10	89	PEACO	KM13.9	0	0
0	218	MW	334.		17		ES	8	10	89	PEACO	KM13.9	0	0
01	020	MW	302.				ES	11	10	89	PEACO	KM13.9	0	0
0	984	MW	323.				ES	11	10	89	PEACO	KM13.9	0	0
01	010	MW	288.				ES	11	10	89	PEACO	KM13.9	0	0
01	001	MW	334.				ES	11	10	89	PEACO	KM13.9	0	0
01	003	MW	317.				ES	11	10	89	PEACO	KM13.9	0	0
0	202	MW	314.		17		ES	8	10	89	PEACO	KM13.9	0	0
0	976	MW	284.				ES	11	10	89	PEACO	KM13.9	0	0
0	982	MW	280.				ES	11	10	89	PEACO	KM13.9	0	0
01	007	MW	364.				ES	11	10	89	PEACO	KM13.9	0	0
0	237	MW	273.				ES	8	10	89	PEACO	KM13.9	0	0
0	214	MW	341.				ES	8	10	89	PEACO	KM13.9	0	0
01	022	MW	274.				ES	11	10	89	PEACO	KM13.9	0	0
0	991	MW	316.				ES	11	10	89	PEACO	KM13.9	0	0
0	204	MW	338.		17		ES	8	10	89	PEACO	KM13.9	0	0
0	211	MW	296.				ES	8	10	89	PEACO	KM13.9	0	0
01	021	MW	265.				ES	11	10	89	PEACO	KM13.9	0	0
0	221	MW	312.				ES	8	10	89	PEACO	KM13.9	0	0
0	198	MW	318.				ES	8	10	89	PEACO	KM13.9	0	0
0	183	MW	288.				ES	8	10	89	PEACO	KM13.9	0	0
01	030	MW	273.				ES	11	10	89	PEACO	KM13.9	0	0
01	002	MW	287.				ES	11	10	89	PEACO	KM13.9	0	0
0	990	MW	360.				ES	11	10	89	PEACO	KM13.9	0	0
01	004	MW	288.				ES	11	10	89	PEACO	KM13.9	0	0
0	196	MW	314.		17		ES	8	10	89	PEACO	KM13.9	0	0
01	015	MW	284.				ES	11	10	89	PEACO	KM13.9	0	0
0	201	MW	287.				ES	8	10	89	PEACO	KM13.9	0	0
01	008	MW	283.				ES	11	10	89	PEACO	KM13.9	0	0
0	219	MW	321.				ES	8	10	89	PEACO	KM13.9	0	0
0	208	MW	277.				ES	8	10	89	PEACO	KM13.9	0	0
0	206	MW	286.				ES	8	10	89	PEACO	KM13.9	0	0
0	200	MW	298.				ES	8	10	89	PEACO	KM13.9	0	0
0	983	MW	282.				ES	11	10	89	PEACO	KM13.9	0	0
01	025	MW	282.				ES	11	10	89	PEACO	KM13.9	0	0
01	011	MW	314.				ES	11	10	89	PEACO	KM13.9	0	0
0	188	MW	306.				ES	8	10	89	PEACO	KM13.9	0	0
0	968	MW	360.				ES	11	10	89	PEACO	KM13.9	0	0
0	228	MW	281.				ES	8	10	89	PEACO	KM13.9	0	0
0	222	MW	288.				ES	8	10	89	PEACO	KM13.9	0	0
0	986	MW	274.				ES	11	10	89	PEACO	KM13.9	0	0
0	995	MW	320.				ES	11	10	89	PEACO	KM13.9	0	0
C	4	MW	274.				ES	8	10	89	PEACO	KM14.1	0	0
C	17	MW	280.				ES	8	10	89	PEACO	KM14.1	0	0
C	10	MW	217.				ES	8	10	89	PEACO	KM14.1	0	0
C	6	MW	273.				ES	8	10	89	PEACO	KM14.1	0	0
C	22	MW	394.				ES	8	10	89	PEACO	KM14.1	0	0
C	20	MW	277.				ES	8	10	89	PEACO	KM14.1	0	0
C	21	MW	287.				ES	8	10	89	PEACO	KM14.1	0	0
C	3	MW	292.				ES	8	10	89	PEACO	KM14.1	0	0
C	5	MW	299.				ES	8	10	89	PEACO	KM14.1	0	0
C	1	MW	265.				ES	8	10	89	PEACO	KM14.1	0	0
C	8	MW	330.				ES	8	10	89	PEACO	KM14.1	0	0
C	13	MW	292.				ES	8	10	89	PEACO	KM14.1	0	0
C	2	MW	290.				ES	8	10	89	PEACO	KM14.1	0	0
C	7	MW	287.				ES	8	10	89	PEACO	KM14.1	0	0
C	9	MW	288.				ES	8	10	89	PEACO	KM14.1	0	0
C	14	MW	303.				ES	8	10	89	PEACO	KM14.1	0	0
C	12	MW	170.				ES	8	10	89	PEACO	KM14.1	0	0

C	15	MW	312.				ES	8	10	89	PEACO	KM14.1	0	0
C	18	MW	287.				ES	8	10	89	PEACO	KM14.1	0	0
C	16	MW	296.				ES	8	10	89	PEACO	KM14.1	0	0
C	11	MW	288.				ES	8	10	89	PEACO	KM14.1	0	0
C	19	MW	280.				ES	8	10	89	PEACO	KM14.1	0	0
0	47	MW	292.				ES	7	10	89	PEACO	KM14.2	0	0
0	58	MW	315.				ES	7	10	89	PEACO	KM14.2	0	0
0	51	MW	290.				ES	7	10	89	PEACO	KM14.2	0	0
0	14	MW	312.				ES	7	10	89	PEACO	KM14.2	0	0
0	16	MW	270.				ES	7	10	89	PEACO	KM14.2	0	0
0	35	MW	312.				ES	7	10	89	PEACO	KM14.2	0	0
0	52	MW	304.				ES	7	10	89	PEACO	KM14.2	0	0
0	63	MW	301.				ES	7	10	89	PEACO	KM14.2	0	0
0	49	MW	292.				ES	7	10	89	PEACO	KM14.2	0	0
0	37	MW	283.				ES	7	10	89	PEACO	KM14.2	0	0
0	13	MW	287.				ES	7	10	89	PEACO	KM14.2	0	0
0	61	MW	284.				ES	7	10	89	PEACO	KM14.2	0	0
0	19	MW	300.				ES	7	10	89	PEACO	KM14.2	0	0
0	60	MW	282.				ES	7	10	89	PEACO	KM14.2	0	0
0	34	MW	273.				ES	7	10	89	PEACO	KM14.2	0	0
0	58	MW	288.				ES	7	10	89	PEACO	KM14.2	0	0
0	24	MW	310.				ES	7	10	89	PEACO	KM14.2	0	0
0	42	MW	250.				ES	7	10	89	PEACO	KM14.2	0	0
0	31	MW	294.				ES	7	10	89	PEACO	KM14.2	0	0
0	46	MW	304.				ES	7	10	89	PEACO	KM14.2	0	0
0	26	MW	300.				ES	7	10	89	PEACO	KM14.2	0	0
0	54	MW	314.				ES	7	10	89	PEACO	KM14.2	0	0
0	64	MW	280.				ES	7	10	89	PEACO	KM14.2	0	0
0	50	MW	289.				ES	7	10	89	PEACO	KM14.2	0	0
0	29	MW	337.				ES	7	10	89	PEACO	KM14.2	0	0
0	44	MW	256.				ES	7	10	89	PEACO	KM14.2	0	0
0	12	MW	288.				ES	7	10	89	PEACO	KM14.2	0	0
0	21	MW	308.				ES	7	10	89	PEACO	KM14.2	0	0
0	32	MW	287.				ES	7	10	89	PEACO	KM14.2	0	0
0	11	MW	266.				ES	7	10	89	PEACO	KM14.2	0	0
0	38	MW	255.				ES	7	10	89	PEACO	KM14.2	0	0
0	5	MW	282.				ES	7	10	89	PEACO	KM14.2	0	0
0	56	MW	273.				ES	7	10	89	PEACO	KM14.2	0	0
0	20	MW	246.				ES	7	10	89	PEACO	KM14.2	0	0
0	57	MW	286.				ES	7	10	89	PEACO	KM14.2	0	0
0	39	MW	251.				ES	7	10	89	PEACO	KM14.2	0	0
0	48	MW	313.				ES	7	10	89	PEACO	KM14.2	0	0
0	30	MW	313.				ES	7	10	89	PEACO	KM14.2	0	0
0	17	MW	264.				ES	7	10	89	PEACO	KM14.2	0	0
0	36	MW	302.				ES	7	10	89	PEACO	KM14.2	0	0
0	15	MW	247.				ES	7	10	89	PEACO	KM14.2	0	0
0	7	MW	276.				ES	7	10	89	PEACO	KM14.2	0	0
0	46	MW	287.				ES	7	10	89	PEACO	KM14.2	0	0
0	62	MW	318.				ES	7	10	89	PEACO	KM14.2	0	0
0	59	MW	285.				ES	7	10	89	PEACO	KM14.2	0	0
0	6	MW	335.				ES	7	10	89	PEACO	KM14.2	0	0
0	65	MW	290.				ES	7	10	89	PEACO	KM14.2	0	0
0	9	MW	314.				ES	7	10	89	PEACO	KM14.2	0	0
0	8	MW	339.				ES	7	10	89	PEACO	KM14.2	0	0
0	33	MW	278.				ES	7	10	89	PEACO	KM14.2	0	0
0	18	MW	303.				ES	7	10	89	PEACO	KM14.2	0	0
0	53	MW	273.				ES	7	10	89	PEACO	KM14.2	0	0
0	27	MW	275.				ES	7	10	89	PEACO	KM14.2	0	0
0	43	MW	282.				ES	7	10	89	PEACO	KM14.2	0	0
0	916	MW	307.				ES	11	10	89	PEACO	KM14.3	0	0

University of Alberta

0	118	MW	286.				ES		7	10	89	PEACO	KM13.5	0	0
0	116	MW	273.				ES		7	10	89	PEACO	KM13.5	0	0
0	120	MW	289.				ES		7	10	89	PEACO	KM13.5	0	0
0	128	MW	231.				ES		7	10	89	PEACO	KM13.5	0	0
0	112	MW	273.				ES		7	10	89	PEACO	KM13.5	1	0
0	122	MW	285.				ES		7	10	89	PEACO	KM13.5	0	0
0	129	MW	374.				ES		7	10	89	PEACO	KM13.5	0	0
0	124	MW	274.				ES		7	10	89	PEACO	KM13.5	0	0
0	115	MW	276.				ES		7	10	89	PEACO	KM13.5	0	0
0	127	MW	258.				ES		7	10	89	PEACO	KM13.5	0	0
0	113	MW	275.				ES		7	10	89	PEACO	KM13.5	0	0
0	114	MW	306.				ES		7	10	89	PEACO	KM13.5	0	0
0	121	MW	274.				ES		7	10	89	PEACO	KM13.5	0	0
0	123	MW	323.				ES		7	10	89	PEACO	KM13.5	0	0
0	111	MW	293.				ES		7	10	89	PEACO	KM13.5	0	0
0	119	MW	264.				ES		7	10	89	PEACO	KM13.5	0	0
01035		MW	262.				ES		11	10	89	PEACO	KM13.6	0	0
01042		MW	245.				ES		11	10	89	PEACO	KM13.6	0	0
01048		MW	360.				ES		11	10	89	PEACO	KM13.6	0	0
01038		MW	272.				ES		11	10	89	PEACO	KM13.6	0	0
01045		MW	321.				ES		11	10	89	PEACO	KM13.6	0	0
01043		MW	300.				ES		11	10	89	PEACO	KM13.6	0	0
01033		MW	292.				ES		11	10	89	PEACO	KM13.6	0	0
01034		MW	256.				ES		11	10	89	PEACO	KM13.6	0	0
01044		MW	378.				ES		11	10	89	PEACO	KM13.6	0	0
01046		MW	238.				ES		11	10	89	PEACO	KM13.6	0	0
0	243	MW	311.				ES		8	10	89	PEACO	KM13.7	0	0
0	86	MW	280.				ES		7	10	89	PEACO	KM13.7	0	0
0	108	MW	320.		17		ES		7	10	89	PEACO	KM13.7	0	0
0	80	MW	247.				ES		7	10	89	PEACO	KM13.7	0	0
0	91	MW	282.				ES		7	10	89	PEACO	KM13.7	0	0
0	97	MW	188.				ES		7	10	89	PEACO	KM13.7	0	0
0	239	MW	318.				ES		8	10	89	PEACO	KM13.7	0	0
0	101	MW	334.		17		ES		7	10	89	PEACO	KM13.7	0	0
0	105	MW	310.		17		ES		7	10	89	PEACO	KM13.7	0	0
0	103	MW	312.				ES		7	10	89	PEACO	KM13.7	0	0
0	261	MW	272.				ES		8	10	89	PEACO	KM13.7	0	0
0	242	MW	316.				ES		8	10	89	PEACO	KM13.7	0	0
0	249	MW	310.				ES		8	10	89	PEACO	KM13.7	0	0
0	257	MW	308.				ES		8	10	89	PEACO	KM13.7	0	0
0	93	MW	354.				ES		7	10	89	PEACO	KM13.7	0	0
0	84	MW	315.				ES		7	10	89	PEACO	KM13.7	0	0
0	252	MW	292.				ES		8	10	89	PEACO	KM13.7	0	0
0	258	MW	307.				ES		8	10	89	PEACO	KM13.7	0	0
0	253	MW	283.				ES		8	10	89	PEACO	KM13.7	0	0
0	245	MW	268.				ES		8	10	89	PEACO	KM13.7	0	0
0	83	MW	239.				ES		7	10	89	PEACO	KM13.7	0	0
0	248	MW	301.				ES		8	10	89	PEACO	KM13.7	0	0
0	82	MW	183.				ES		7	10	89	PEACO	KM13.7	0	0
0	106	MW	231.				ES		7	10	89	PEACO	KM13.7	0	0
0	257	MW	308.				ES		8	10	89	PEACO	KM13.7	0	0
0	282	MW	258.				ES		8	10	89	PEACO	KM13.7	0	0
0	89	MW	310.				ES		7	10	89	PEACO	KM13.7	0	0
0	246	MW	324.				ES		8	10	89	PEACO	KM13.7	0	0
01009		MW	294.				ES		11	10	89	PEACO	KM13.8	0	0
0	230	MW	181.				ES		8	10	89	PEACO	KM13.9	0	0
0	189	MW	326.				ES		8	10	89	PEACO	KM13.9	0	0
01012		MW	318.				ES		11	10	89	PEACO	KM13.9	0	0
0	196	MW	266.				ES		8	10	89	PEACO	KM13.9	0	0
01028		MW	172.				ES		11	10	89	PEACO	KM13.9	0	0

01006		MW	307.				ES		11	10	89	PEACO	KM13.9	0	0
0	979	MW	367.				ES		11	10	89	PEACO	KM13.9	0	0
0	236	MW	296.				ES		8	10	89	PEACO	KM13.9	0	0
0	215	MW	330.				ES		8	10	89	PEACO	KM13.9	0	0
0	208	MW	325.				ES		8	10	89	PEACO	KM13.9	0	0
0	217	MW	317.				ES		8	10	89	PEACO	KM13.9	0	0
01005		MW	286.				ES		11	10	89	PEACO	KM13.9	0	0
01032		MW	290.				ES		11	10	89	PEACO	KM13.9	0	0
0	220	MW	306.				ES		8	10	89	PEACO	KM13.9	0	0
0	985	MW	307.				ES		11	10	89	PEACO	KM13.9	0	0
0	223	MW	238.				ES		8	10	89	PEACO	KM13.9	0	0
0	982	MW	263.				ES		11	10	89	PEACO	KM13.9	0	0
0	225	MW	434.				ES		8	10	89	PEACO	KM13.9	0	0
0	228	MW	314.				ES		8	10	89	PEACO	KM13.9	0	0
0	980	MW	310.				ES		11	10	89	PEACO	KM13.9	0	0
0	987	MW	321.				ES		11	10	89	PEACO	KM13.9	0	0
0	973	MW	332.				ES		11	10	89	PEACO	KM13.9	0	0
01017		MW	290.				ES		11	10	89	PEACO	KM13.9	0	0
01000		MW	278.				ES		11	10	89	PEACO	KM13.9	0	0
0	975	MW	272.				ES		11	10	89	PEACO	KM13.9	0	0
0	180	MW	316.		17		ES		8	10	89	PEACO	KM13.9	0	0
0	997	MW	234.				ES		11	10	89	PEACO	KM13.9	0	0
0	988	MW	283.				ES		11	10	89	PEACO	KM13.9	0	0
0	198	MW	278.				ES		8	10	89	PEACO	KM13.9	0	0
0	197	MW	277.				ES		8	10	89	PEACO	KM13.9	0	0
01029		MW	277.				ES		11	10	89	PEACO	KM13.9	0	0
01013		MW	304.				ES		11	10	89	PEACO	KM13.9	0	0
0	194	MW	280.				ES		8	10	89	PEACO	KM13.9	0	0
0	989	MW	317.				ES		11	10	89	PEACO	KM13.9	0	0
0	981	MW	268.				ES		11	10	89	PEACO	KM13.9	0	0
0	977	MW	257.				ES		11	10	89	PEACO	KM13.9	0	0
0	192	MW	322.				ES		8	10	89	PEACO	KM13.9	0	0
0	203	MW	276.				ES		8	10	89	PEACO	KM13.9	0	0
0	212	MW	291.				ES		8	10	89	PEACO	KM13.9	0	0
0	978	MW	313.				ES		11	10	89	PEACO	KM13.9	0	0
0	986	MW	294.				ES		11	10	89	PEACO	KM13.9	0	0
0	972	MW	268.				ES		11	10	89	PEACO	KM13.9	0	0
01027		MW	291.				ES		11	10	89	PEACO	KM13.9	0	0
0	191	MW	280.				ES		8	10	89	PEACO	KM13.9	0	0
0	974	MW	288.				ES		11	10	89	PEACO	KM13.9	0	0
0	224	MW	280.				ES		8	10	89	PEACO	KM13.9	0	0
0	218	MW	305.				ES		8	10	89	PEACO	KM13.9	0	0
0	205	MW	313.				ES		8	10	89	PEACO	KM13.9	0	0
01026		MW	284.				ES		11	10	89	PEACO	KM13.9	0	0
01031		MW	253.				ES		11	10	89	PEACO	KM13.9	0	0
01022		MW	274.				ES		11	10	89	PEACO	KM13.9	0	0
0	210	MW	305.				ES		8	10	89	PEACO	KM13.9	0	0
01014		MW	306.				ES		11	10	89	PEACO	KM13.9	0	0
0	210	MW	305.				ES		8	10	89	PEACO	KM13.9	0	0
01016		MW	334.				ES		11	10	89	PEACO	KM13.9	0	0
0	231	MW	265.				ES		8	10	89	PEACO	KM13.9	0	0
0	970	MW	304.				ES		11	10	89	PEACO	KM13.9	0	0
0	213	MW	202.				ES		8	10	89	PEACO	KM13.9	0	0
0	969	MW	313.				ES		11	10	89	PEACO	KM13.9	0	0
01019		MW	309.				ES		11	10	89	PEACO	KM13.9	0	0
01024		MW	280.				ES		11	10	89	PEACO	KM13.9	0	0
0	233	MW	301.				ES		8	10	89	PEACO	KM13.9	0	0
01018		MW	247.				ES		11	10	89	PEACO	KM13.9	0	0
0	963	MW	286.				ES		11	10	89	PEACO	KM13.9	0	0
0	971	MW	351.				ES		11	10	89	PEACO	KM13.9	0	0

01085	MW	244.			ES	11	10	89	PEACO	KM13.2	0	0		
01083	MW	281.			ES	11	10	89	PEACO	KM13.2	0	0		
01072	MW	246.			ES	11	10	89	PEACO	KM13.2	0	0		
01065	MW	304.			ES	11	10	89	PEACO	KM13.2	0	0		
01079	MW	327.			ES	11	10	89	PEACO	KM13.2	0	0		
0 329	MW	238.			ES	8	10	89	PEACO	KM13.2	0	0		
0 323	MW	281.			ES	8	10	89	PEACO	KM13.2	0	0		
01064	MW	278.			ES	11	10	89	PEACO	KM13.2	0	0		
01075	MW	292.			ES	11	10	89	PEACO	KM13.2	0	0		
0 318	MW	282.			ES	8	10	89	PEACO	KM13.2	0	0		
01066	MW	307.			ES	11	10	89	PEACO	KM13.2	0	0		
01086	MW	327.			ES	11	10	89	PEACO	KM13.2	0	0		
0 314	MW	210.			ES	8	10	89	PEACO	KM13.2	0	0		
01077	MW	290.			ES	11	10	89	PEACO	KM13.2	0	0		
01061	MW	292.			ES	11	10	89	PEACO	KM13.2	0	0		
01055	MW	300.			ES	11	10	89	PEACO	KM13.2	0	0		
01084	MW	296.			ES	11	10	89	PEACO	KM13.2	0	0		
01082	MW	278.			ES	11	10	89	PEACO	KM13.2	0	0		
01068	MW	314.			ES	11	10	89	PEACO	KM13.2	0	0		
01063	MW	298.			ES	11	10	89	PEACO	KM13.2	0	0		
01081	MW	289.			ES	11	10	89	PEACO	KM13.2	0	0		
01073	MW	289.			ES	11	10	89	PEACO	KM13.2	0	0		
01069	MW	296.			ES	11	10	89	PEACO	KM13.2	0	0		
01074	MW	323.			ES	11	10	89	PEACO	KM13.2	0	0		
01067	MW	291.			ES	11	10	89	PEACO	KM13.2	0	0		
0 328	MW	291.			ES	8	10	89	PEACO	KM13.2	0	0		
0 327	MW	350.			ES	8	10	89	PEACO	KM13.2	0	0		
01064	MW	310.			ES	11	10	89	PEACO	KM13.2	0	0		
01078	MW	292.			ES	11	10	89	PEACO	KM13.2	0	0		
01088	MW	283.			ES	11	10	89	PEACO	KM13.2	0	0		
0 318	MW	304.			ES	8	10	89	PEACO	KM13.2	0	0		
0 317	MW	271.			ES	8	10	89	PEACO	KM13.2	0	0		
01070	MW	301.			ES	11	10	89	PEACO	KM13.2	0	0		
01062	MW	278.			ES	11	10	89	PEACO	KM13.2	0	0		
01080	MW	278.			ES	11	10	89	PEACO	KM13.2	0	0		
01071	MW	374.			ES	11	10	89	PEACO	KM13.2	0	0		
01082	MW	304.			ES	11	10	89	PEACO	KM13.2	0	0		
0 325	MW	285.	17		ES	8	10	89	PEACO	KM13.2	0	0		
01089	MW	258.			ES	11	10	89	PEACO	KM13.2	0	0		
0 319	MW	224.			ES	8	10	89	PEACO	KM13.2	0	0		
01056	MW	305.			ES	11	10	89	PEACO	KM13.2	0	0		
0 161	MW	284.			ES	7	10	89	PEACO	KM13.3	0	0		
0 183	MW	311.			ES	7	10	89	PEACO	KM13.3	0	0		
0 171	MW	302.			ES	7	10	89	PEACO	KM13.3	0	0		
0 276	MW	321.			ES	8	10	89	PEACO	KM13.3	0	0		
0 186	MW	332.			ES	7	10	89	PEACO	KM13.3	0	0		
0 180	MW	288.			ES	7	10	89	PEACO	KM13.3	0	0		
0 157	MW	172.			ES	7	10	89	PEACO	KM13.3	0	0		
0 170	MW	257.			ES	7	10	89	PEACO	KM13.3	0	0		
0 132	MW	236.			ES	7	10	89	PEACO	KM13.3	0	0		
0 273	MW	290.			ES	8	10	89	PEACO	KM13.3	0	0		
0 178	MW	288.			ES	7	10	89	PEACO	KM13.3	0	0		
0 302	MW	182.			ES	8	10	89	PEACO	KM13.3	0	0		
0 306	MW	248.			ES	8	10	89	PEACO	KM13.3	0	0		
0 144	MW	283.			ES	7	10	89	PEACO	KM13.3	0	0		
0 184	MW	293.			ES	7	10	89	PEACO	KM13.3	0	0		
0 268	MW	319.			ES	8	10	89	PEACO	KM13.3	0	0		
0 133	MW	301.			ES	7	10	89	PEACO	KM13.3	0	0		
0 148	MW	257.			ES	7	10	89	PEACO	KM13.3	0	0		
0 154	MW	338.			ES	7	10	89	PEACO	KM13.3	0	0		

0 275	MW	261.			ES	8	10	89	PEACO	KM13.3	0	0		
0 172	MW	281.			ES	7	10	89	PEACO	KM13.3	0	0		
0 297	MW	300.			ES	8	10	89	PEACO	KM13.3	0	0		
0 293	MW	204.			ES	8	10	89	PEACO	KM13.3	0	0		
0 288	MW	188.			ES	8	10	89	PEACO	KM13.3	0	0		
0 277	MW	286.			ES	8	10	89	PEACO	KM13.3	0	0		
0 153	MW	311.			ES	7	10	89	PEACO	KM13.3	0	0		
0 155	MW	302.			ES	7	10	89	PEACO	KM13.3	0	0		
0 177	MW	336.			ES	7	10	89	PEACO	KM13.3	0	0		
0 272	MW	284.			ES	8	10	89	PEACO	KM13.3	0	0		
0 304	MW	256.			ES	8	10	89	PEACO	KM13.3	0	0		
0 265	MW	305.			ES	8	10	89	PEACO	KM13.3	0	0		
0 296	MW	326.			ES	8	10	89	PEACO	KM13.3	0	0		
0 147	MW	313.			ES	7	10	89	PEACO	KM13.3	0	0		
0 146	MW	307.			ES	7	10	89	PEACO	KM13.3	0	0		
0 280	MW	290.			ES	8	10	89	PEACO	KM13.3	0	0		
0 135	MW	324.			ES	7	10	89	PEACO	KM13.3	1	0		
0 142	MW	316.			ES	7	10	89	PEACO	KM13.3	0	0		
0 303	MW	285.			ES	8	10	89	PEACO	KM13.3	0	0		
0 141	MW	292.			ES	7	10	89	PEACO	KM13.3	0	0		
0 162	MW	295.			ES	7	10	89	PEACO	KM13.3	0	0		
0 283	MW	262.			ES	8	10	89	PEACO	KM13.3	0	0		
0 290	MW	236.			ES	8	10	89	PEACO	KM13.3	0	0		
0 294	MW	244.			ES	8	10	89	PEACO	KM13.3	0	0		
0 145	MW	299.			ES	7	10	89	PEACO	KM13.3	0	0		
0 139	MW	358.			ES	7	10	89	PEACO	KM13.3	0	0		
0 168	MW	325.			ES	7	10	89	PEACO	KM13.3	0	0		
0 286	MW	214.			ES	8	10	89	PEACO	KM13.3	0	0		
0 286	MW	286.			ES	8	10	89	PEACO	KM13.3	0	0		
0. 295	MW	355.			ES	8	10	89	PEACO	KM13.3	0	0		
0 299	MW	241.			ES	8	10	89	PEACO	KM13.3	0	0		
0 284	MW	252.			ES	8	10	89	PEACO	KM13.3	0	0		
0 278	MW	284.			ES	8	10	89	PEACO	KM13.3	0	0		
0 138	MW	274.			ES	7	10	89	PEACO	KM13.3	0	0		
0 179	MW	284.			ES	7	10	89	PEACO	KM13.3	0	0		
0 149	MW	314.			ES	7	10	89	PEACO	KM13.3	0	0		
0 174	MW	301.			ES	7	10	89	PEACO	KM13.3	0	0	LMAX	
0 130	MW	286.			ES	7	10	89	PEACO	KM13.3	0	0		
0 300	MW	228.			ES	8	10	89	PEACO	KM13.3	0	0		
0 301	MW	235.			ES	8	10	89	PEACO	KM13.3	0	0		
0 185	MW	251.			ES	7	10	89	PEACO	KM13.3	0	0		
0 287	MW	282.			ES	8	10	89	PEACO	KM13.3	0	0		
0 178	MW	307.			ES	7	10	89	PEACO	KM13.3	0	0		
0 271	MW	320.			ES	8	10	89	PEACO	KM13.3	0	0		
0 307	MW	178.			ES	8	10	89	PEACO	KM13.3	0	0		
0 308	MW	284.			ES	8	10	89	PEACO	KM13.3	0	0		
0 274	MW	290.			ES	8	10	89	PEACO	KM13.3	0	0		
0 181	MW	324.			ES	7	10	89	PEACO	KM13.3	0	0		
0 152	MW	329.			ES	7	10	89	PEACO	KM13.3	0	0		
0 289	MW	224.			ES	8	10	89	PEACO	KM13.3	0	0		
0 164	MW	324.			ES	7	10	89	PEACO	KM13.3	0	0		
0 285	MW	290.			ES	8	10	89	PEACO	KM13.3	0	0		
0 143	MW	315.			ES	7	10	89	PEACO	KM13.3	0	0		
0 287	MW	290.			ES	8	10	89	PEACO	KM13.3	0	0		
0 137	MW	273.			ES	7	10	89	PEACO	KM13.3	0	0		
0 282	MW	329.			ES	8	10	89	PEACO	KM13.3	0	0		
0 292	MW	303.			ES	8	10	89	PEACO	KM13.3	0	0		
0 270	MW	290.			ES	8	10	89	PEACO	KM13.3	0	0		
0 167	MW	278.			ES	7	10	89	PEACO	KM13.3	0	0		
0 305	MW	[illegible]			ES	8	10	89	PEACO	KM13.3	0	0		

University of Alberta

0	504	MW	325.		ES	9	10	89	PEACO	KM13.1	0	0
0	492	MW	287.		ES	9	10	89	PEACO	KM13.1	0	0
0	509	MW	274.		ES	9	10	89	PEACO	KM13.1	0	0
0	521	MW	290.		ES	9	10	89	PEACO	KM13.1	0	0
0	510	MW	304.		ES	9	10	89	PEACO	KM13.1	0	0
C	101	MW	358.		ES	9	10	89	PEACO	KM13.1	0	0
C	131	MW	309.		ES	9	10	89	PEACO	KM13.1	0	0
0	355	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
C	124	MW	304.		ES	9	10	89	PEACO	KM13.1	0	0
0	522	MW	279.		ES	9	10	89	PEACO	KM13.1	0	0
0	355	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	355	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	525	MW	307.		ES	9	10	89	PEACO	KM13.1	0	0
0	355	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
C	125	MW	217.		ES	9	10	89	PEACO	KM13.1	0	0
0	362	MW	262.		ES	8	10	89	PEACO	KM13.1	0	0
C	105	MW	214.		ES	9	10	89	PEACO	KM13.1	0	0
0	520	MW	272.		ES	9	10	89	PEACO	KM13.1	0	0
0	331	MW	319.		ES	8	10	89	PEACO	KM13.1	0	0
0	516	MW	267.		ES	9	10	89	PEACO	KM13.1	0	0
0	494	MW	306.		ES	9	10	89	PEACO	KM13.1	0	0
0	350	MW	291.		ES	8	10	89	PEACO	KM13.1	0	0
C	129	MW	199.		ES	9	10	89	PEACO	KM13.1	0	0
C	121	MW	386.		ES	9	10	89	PEACO	KM13.1	0	0
0	527	MW	294.		ES	9	10	89	PEACO	KM13.1	0	0
0	374	MW	233.		ES	8	10	89	PEACO	KM13.1	0	0
0	349	MW	284.		ES	8	10	89	PEACO	KM13.1	0	0
0	487	MW	290.		ES	9	10	89	PEACO	KM13.1	0	0
0	517	MW	289.		ES	9	10	89	PEACO	KM13.1	0	0
C	123	MW	251.		ES	9	10	89	PEACO	KM13.1	0	0
C	122	MW	389.		ES	9	10	89	PEACO	KM13.1	0	0
C	112	MW	261.		ES	9	10	89	PEACO	KM13.1	0	0
0	502	MW	256.		ES	9	10	89	PEACO	KM13.1	0	0
0	336	MW	309.		ES	8	10	89	PEACO	KM13.1	0	0
0	342	MW	264.		ES	8	10	89	PEACO	KM13.1	0	0
0	332	MW	300.		ES	8	10	89	PEACO	KM13.1	0	0
0	355	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	356	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	484	MW	347.		ES	9	10	89	PEACO	KM13.1	0	0
0	373	MW	260.		ES	8	10	89	PEACO	KM13.1	0	0
C	116	MW	328.		ES	9	10	89	PEACO	KM13.1	0	0
0	503	MW	296.		ES	9	10	89	PEACO	KM13.1	0	0
0	491	MW	320.		ES	9	10	89	PEACO	KM13.1	0	0
C	117	MW	236.		ES	9	10	89	PEACO	KM13.1	0	0
C	111	MW	260.		ES	9	10	89	PEACO	KM13.1	0	0
0	513	MW	246.		ES	9	10	89	PEACO	KM13.1	0	0
0	355	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	365	MW	262.		ES	8	10	89	PEACO	KM13.1	0	0
0	515	MW	284.		ES	9	10	89	PEACO	KM13.1	0	0
C	119	MW	266.		ES	9	10	89	PEACO	KM13.1	0	0
0	507	MW	404.		ES	9	10	89	PEACO	KM13.1	0	0
0	343	MW	280.		ES	8	10	89	PEACO	KM13.1	0	0
0	376	MW	310.		ES	8	10	89	PEACO	KM13.1	0	0
0	377	MW	262.		ES	8	10	89	PEACO	KM13.1	0	0
0	364	MW	243.		ES	8	10	89	PEACO	KM13.1	0	0
0	496	MW	291.		ES	9	10	89	PEACO	KM13.1	0	0
0	484	MW	304.		ES	9	10	89	PEACO	KM13.1	0	0
0	363	MW	278.		ES	8	10	89	PEACO	KM13.1	0	0
C	108	MW	344.		ES	9	10	89	PEACO	KM13.1	0	0
0	500	MW	332.		ES	9	10	89	PEACO	KM13.1	0	0

0	483	MW	315.		ES	9	10	89	PEACO	KM13.1	0	0
0	345	MW	272.		ES	8	10	89	PEACO	KM13.1	0	0
C	100	MW	292.		ES	9	10	89	PEACO	KM13.1	0	0
0	485	MW	287.		ES	9	10	89	PEACO	KM13.1	0	0
0	356	MW	294.		ES	8	10	89	PEACO	KM13.1	0	0
0	511	MW	286.		ES	9	10	89	PEACO	KM13.1	0	0
0	333	MW	262.		ES	8	10	89	PEACO	KM13.1	0	0
C	110	MW	273.		ES	9	10	89	PEACO	KM13.1	0	0
0	334	MW	324.		ES	8	10	89	PEACO	KM13.1	0	0
0	335	MW	276.		ES	8	10	89	PEACO	KM13.1	0	0
0	368	MW	286.		ES	8	10	89	PEACO	KM13.1	0	0
C	126	MW	252.		ES	9	10	89	PEACO	KM13.1	0	0
0	339	MW	324.		ES	8	10	89	PEACO	KM13.1	0	0
0	355	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	505	MW	319.		ES	9	10	89	PEACO	KM13.1	0	0
0	525	MW	278.		ES	9	10	89	PEACO	KM13.1	0	0
0	365	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	381	MW	310.		ES	8	10	89	PEACO	KM13.1	0	0
C	118	MW	329.		ES	9	10	89	PEACO	KM13.1	0	0
0	356	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	486	MW	296.		ES	9	10	89	PEACO	KM13.1	0	0
0	518	MW	306.		ES	9	10	89	PEACO	KM13.1	0	0
0	372	MW	208.		ES	8	10	89	PEACO	KM13.1	0	0
C	106	MW	225.		ES	9	10	89	PEACO	KM13.1	0	0
C	130	MW	286.		ES	9	10	89	PEACO	KM13.1	0	0
0	340	MW	254.		ES	8	10	89	PEACO	KM13.1	0	0
C	103	MW	281.		ES	9	10	89	PEACO	KM13.1	0	0
C	102	MW	260.		ES	9	10	89	PEACO	KM13.1	0	0
0	355	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	375	MW	236.		ES	8	10	89	PEACO	KM13.1	0	0
0	344	MW	226.		ES	8	10	89	PEACO	KM13.1	0	0
0	482	MW	258.		ES	9	10	89	PEACO	KM13.1	0	0
0	380	MW	305.		ES	8	10	89	PEACO	KM13.1	0	0
0	524	MW	281.		ES	9	10	89	PEACO	KM13.1	0	0
0	371	MW	254.		ES	8	10	89	PEACO	KM13.1	0	0
0	489	MW	264.		ES	9	10	89	PEACO	KM13.1	0	0
0	518	MW	264.		ES	9	10	89	PEACO	KM13.1	0	0
0	499	MW	319.		ES	9	10	89	PEACO	KM13.1	0	0
C	132	MW	273.		ES	9	10	89	PEACO	KM13.1	0	0
C	97	MW	263.		ES	9	10	89	PEACO	KM13.1	0	0
C	133	MW	196.		ES	9	10	89	PEACO	KM13.1	0	0
C	98	MW	294.		ES	9	10	89	PEACO	KM13.1	0	0
C	107	MW	278.		ES	9	10	89	PEACO	KM13.1	0	0
0	367	MW	259.		ES	8	10	89	PEACO	KM13.1	0	0
0	508	MW	321.		ES	9	10	89	PEACO	KM13.1	0	0
0	355	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	356	MW	220.		ES	8	10	89	PEACO	KM13.1	0	0
0	483	MW	335.		ES	9	10	89	PEACO	KM13.1	0	0
0	353	MW	272.		ES	8	10	89	PEACO	KM13.1	0	0
0	487	MW	278.		ES	9	10	89	PEACO	KM13.1	0	0
0	501	MW	328.		ES	9	10	89	PEACO	KM13.1	0	0
0	370	MW	284.		ES	8	10	89	PEACO	KM13.1	0	0
0	321	MW	302.		ES	8	10	89	PEACO	KM13.2	0	0
01053		MW	287.		ES	11	10	89	PEACO	KM13.2	0	0
01080		MW	296.		ES	11	10	89	PEACO	KM13.2	0	0
01087		MW	341.		ES	11	10	89	PEACO	KM13.2	0	0
01076		MW	291.		ES	11	10	89	PEACO	KM13.2	0	0
01088		MW	281.		ES	11	10	89	PEACO	KM13.2	0	0
01057		MW	288.		ES	11	10	89	PEACO	KM13.2	0	0
01061		MW	305.		ES	11	10	89	PEACO	KM13.2	0	0

C 252	MW	283.					ES			11	10	89	PEACO	KM13.0	0	0	
01109	MW	306.					ES			12	10	89	PEACO	KM13.0	0	0	
01127	MW	257.					ES			12	10	89	PEACO	KM13.0	0	0	
01115	MW	285.					ES			12	10	89	PEACO	KM13.0	0	0	
01155	MW	426.			17		ES			12	10	89	PEACO	KM13.0	0	0	
01101	MW	286.					ES			12	10	89	PEACO	KM13.0	0	0	
01419	MW	349.					ES		Y15002	13	10	89	PEACO	KM13.0	0	0	
C 285	MW	266.					ES		Y13857	11	10	89	PEACO	KM13.0	0	0	
01156	MW	289.					ES			12	10	89	PEACO	KM13.0	0	0	
01429	MW	247.					ES			13	10	89	PEACO	KM13.0	0	0	
01412	MW	292.					ES		Y13747	13	10	89	PEACO	KM13.0	0	0	
01113	MW	285.			17		ES			12	10	89	PEACO	KM13.0	0	0	
C 246	MW	270.					ES		Y13848	11	10	89	PEACO	KM13.0	0	0	
C 237	MW	306.					ES		Y13843	11	10	89	PEACO	KM13.0	0	0	
01121	MW	260.					ES			12	10	89	PEACO	KM13.0	0	0	
01142	MW	220.					ES			12	10	89	PEACO	KM13.0	0	0	
C 258	MW	258.					ES			11	10	89	PEACO	KM13.0	0	0	
01085	MW	382.			17		ES			12	10	89	PEACO	KM13.0	0	0	
01145	MW	303.					ES			12	10	89	PEACO	KM13.0	0	0	
01433	MW	296.					ES		Y15012	13	10	89	PEACO	KM13.0	0	0	
01103	MW	298.					ES			12	10	89	PEACO	KM13.0	0	0	
C 259	MW	270.					ES			11	10	89	PEACO	KM13.0	0	0	
01146	MW	273.					ES			12	10	89	PEACO	KM13.0	0	0	
01427	MW	287.					ES		Y15008	13	10	89	PEACO	KM13.0	0	0	
01097	MW	329.					ES			12	10	89	PEACO	KM13.0	0	0	
01125	MW	309.			17		ES			12	10	89	PEACO	KM13.0	0	0	
01129	MW	265.					ES			12	10	89	PEACO	KM13.0	0	0	
C 238	MW	274.					ES		Y13845	11	10	89	PEACO	KM13.0	0	0	
01422	MW	292.					ES		Y15004	13	10	89	PEACO	KM13.0	0	0	
01402	MW	290.					ES			13	10	89	PEACO	KM13.0	0	0	
01106	MW	293.					ES			12	10	89	PEACO	KM13.0	0	0	
01143	MW	294.					ES			12	10	89	PEACO	KM13.0	0	0	
01153	MW	345.			7		ES			12	10	89	PEACO	KM13.0	0	0	
01148	MW	328.					ES			12	10	89	PEACO	KM13.0	0	0	
01083	MW	303.			17		ES			12	10	89	PEACO	KM13.0	0	0	
01132	MW	332.					ES			12	10	89	PEACO	KM13.0	0	0	
01120	MW	253.					ES			12	10	89	PEACO	KM13.0	0	0	
01107	MW	275.					ES			12	10	89	PEACO	KM13.0	0	0	
C 230	MW	288.					ES		Y13837	11	10	89	PEACO	KM13.0	0	0	
01114	MW	270.					ES			12	10	89	PEACO	KM13.0	0	0	
C 234	MW	277.					ES		Y13840	11	10	89	PEACO	KM13.0	0	0	
01086	MW	292.					ES			12	10	89	PEACO	KM13.0	0	0	
C 288	MW	253.					ES		Y13858	11	10	89	PEACO	KM13.0	0	0	
01150	MW	315.					ES			12	10	89	PEACO	KM13.0	0	0	
01130	MW	285.					ES			12	10	89	PEACO	KM13.0	0	0	
01421	MW	321.					ES		Y15003	13	10	89	PEACO	KM13.0	0	0	
01137	MW	303.	332.		7		ES			12	10	89	PEACO	KM13.0	1	0	STOS (S UNID)
01119	MW	291.					ES			12	10	89	PEACO	KM13.0	0	0	
01410	MW	314.					ES		Y13746	13	10	89	PEACO	KM13.0	0	0	
01105	MW	317.			17		ES			12	10	89	PEACO	KM13.0	0	0	
01128	MW	281.					ES			12	10	89	PEACO	KM13.0	0	0	
01108	MW	306.					ES			12	10	89	PEACO	KM13.0	0	0	
01405	MW	330.					ES		Y13741	13	10	89	PEACO	KM13.0	0	0	
01403	MW	304.					ES			13	10	89	PEACO	KM13.0	0	0	
01414	MW	387.					ES		Y13748	13	10	89	PEACO	KM13.0	0	0	
C 253	MW	240.					ES			11	10	89	PEACO	KM13.0	0	0	
01100	MW	286.					ES			12	10	89	PEACO	KM13.0	0	0	
01134	MW	314.					ES			12	10	89	PEACO	KM13.0	0	0	
C 280	MW	283.					ES		Y13853	11	10	89	PEACO	KM13.0	0	0	
C 236	MW	336.					ES		Y13842	11	10	89	PEACO	KM13.0	0	0	

01110	MW	284.					ES			12	10	89	PEACO	KM13.0	0	0	
01117	MW	417.			17		ES			12	10	89	PEACO	KM13.0	0	0	
C 227	MW	342.					ES		Y13834	11	10	89	PEACO	KM13.0	0	0	
01126	MW	237.					ES			12	10	89	PEACO	KM13.0	0	0	
C 264	MW	248.					ES			11	10	89	PEACO	KM13.0	0	0	
01406	MW	279.					ES		Y13743	13	10	89	PEACO	KM13.0	0	0	
01135	MW	288.					ES			12	10	89	PEACO	KM13.0	0	0	
C 241	MW	222.					ES			11	10	89	PEACO	KM13.0	0	0	
01133	MW	335.					ES			12	10	89	PEACO	KM13.0	0	0	
01094	MW	275.					ES			12	10	89	PEACO	KM13.0	0	0	
C 231	MW	234.					ES			11	10	89	PEACO	KM13.0	0	0	
01432	MW	244.					ES			13	10	89	PEACO	KM13.0	0	0	
C 248	MW	281.					ES		Y13850	11	10	89	PEACO	KM13.0	0	0	
C 232	MW	321.					ES		Y13838	11	10	89	PEACO	KM13.0	0	0	
C 251	MW	301.					ES		Y13852	11	10	89	PEACO	KM13.0	0	0	
01111	MW	275.					ES			12	10	89	PEACO	KM13.0	0	0	
C 235	MW	302.					ES		Y13841	11	10	89	PEACO	KM13.0	0	0	
01425	MW	272.					ES		Y15006	13	10	89	PEACO	KM13.0	0	0	
01408	MW	290.					ES			13	10	89	PEACO	KM13.0	0	0	
01136	MW	285.					ES			12	10	89	PEACO	KM13.0	0	0	
01144	MW	250.					ES			12	10	89	PEACO	KM13.0	0	0	
C 242	MW	310.					ES		Y13846	11	10	89	PEACO	KM13.0	0	0	
C 287	MW	278.					ES		Y13859	11	10	89	PEACO	KM13.0	0	0	
01407	MW	378.					ES		Y13744	13	10	89	PEACO	KM13.0	0	0	
01112	MW	302.					ES			12	10	89	PEACO	KM13.0	0	0	
01148	MW	283.					ES			12	10	89	PEACO	KM13.0	0	0	
01089	MW	273.					ES			14	10	89	PEACO	KM13.0	0	0	
C 250	MW	228.					ES			11	10	89	PEACO	KM13.0	0	0	
01418	MW	342.					ES		Y15000	13	10	89	PEACO	KM13.0	0	0	
C 228	MW	330.					ES		Y13835	11	10	89	PEACO	KM13.0	0	0	
01404	MW	338.					ES		Y13742	13	10	89	PEACO	KM13.0	0	0	
C 254	MW	308.					ES			11	10	89	PEACO	KM13.0	0	0	
01430	MW	277.					ES		Y15011	13	10	89	PEACO	KM13.0	0	0	
C 233	MW	292.					ES		Y13839	11	10	89	PEACO	KM13.0	0	0	
C 256	MW	268.					ES			11	10	89	PEACO	KM13.0	0	0	
C 282	MW	309.					ES		Y13855	11	10	89	PEACO	KM13.0	0	0	
C 257	MW	267.					ES			11	10	89	PEACO	KM13.0	0	0	
01415	MW	287.					ES		Y13749	13	10	89	PEACO	KM13.0	0	0	
C 256	MW	278.					ES			11	10	89	PEACO	KM13.0	0	0	
01116	MW	316.					ES			12	10	89	PEACO	KM13.0	0	0	
01431	MW	260.					ES		Y15010	13	10	89	PEACO	KM13.0	0	0	
01418	MW	317.					ES		Y15001	13	10	89	PEACO	KM13.0	0	0	
01417	MW	270.	241.		11		ES			13	10	89	PEACO	KM13.0	1	0	STO2 (2CHIR)
01157	MW	345.					ES			12	10	89	PEACO	KM13.0	0	0	
0 512	MW	287.					ES			9	10	89	PEACO	KM13.1	0	0	
0 523	MW	288.					ES			9	10	89	PEACO	KM13.1	0	0	
0 355	MW	220.					ES			8	10	89	PEACO	KM13.1	0	0	
C 127	MW	270.					ES			9	10	89	PEACO	KM13.1	0	0	
0 366	MW	309.					ES			8	10	89	PEACO	KM13.1	0	0	
0 347	MW	274.					ES			8	10	89	PEACO	KM13.1	0	0	
0 514	MW	307.					ES			9	10	89	PEACO	KM13.1	0	0	
0 488	MW	275.					ES			9	10	89	PEACO	KM13.1	0	0	
C 115	MW	301.					ES			9	10	89	PEACO	KM13.1	0	0	
0 346	MW	285.					ES			8	10	89	PEACO	KM13.1	0	0	
0 330	MW	315.					ES			8	10	89	PEACO	KM13.1	0	0	
C 120	MW	282.					ES			9	10	89	PEACO	KM13.1	0	0	
0 341	MW	286.					ES			8	10	89	PEACO	KM13.1	0	0	
0 369	MW	304.					ES			8	10	89	PEACO	KM13.1	0	0	
C 99	MW	293.					ES			9	10	89	PEACO	KM13.1	0	0	
0 506	MW	304.					ES			9	10	89	PEACO	KM13.1	0	0	

University of Alberta

0	574	MW	317.				ES			9	10	89	PEACO	KM12.9	0	0	
0	621	MW	283.				ES			9	10	89	PEACO	KM12.9	0	0	
0	647	MW	280.				ES			9	10	89	PEACO	KM12.9	0	0	
0	645	MW	302.				ES			9	10	89	PEACO	KM12.9	0	0	
0	643	MW	274.				ES			9	10	89	PEACO	KM12.9	0	0	
0	644	MW	320.				ES			9	10	89	PEACO	KM12.9	0	0	
0	577	MW	288.				ES			9	10	89	PEACO	KM12.9	0	0	
0	612	MW	320.				ES			9	10	89	PEACO	KM12.9	0	0	
0	546	MW	309.				ES			9	10	89	PEACO	KM12.9	0	0	
0	556	MW	284.				ES			9	10	89	PEACO	KM12.9	0	0	
0	578	MW	263.				ES			9	10	89	PEACO	KM12.9	0	0	
0	623	MW	285.				ES			9	10	89	PEACO	KM12.9	0	0	
0	633	MW	247.				ES			9	10	89	PEACO	KM12.9	0	0	
0	537	MW	287.				ES			9	10	89	PEACO	KM12.9	0	0	
0	566	MW	326.				ES			9	10	89	PEACO	KM12.9	0	0	
0	554	MW	320.				ES			9	10	89	PEACO	KM12.9	0	0	
0	545	MW	384.				ES			9	10	89	PEACO	KM12.9	0	0	
0	590	MW	336.				ES			9	10	89	PEACO	KM12.9	0	0	
0	572	MW	355.				ES			9	10	89	PEACO	KM12.9	0	0	
0	628	MW	261.				ES			9	10	89	PEACO	KM12.9	0	0	
0	631	MW	274.				ES			9	10	89	PEACO	KM12.9	0	0	
0	584	MW	286.				ES			9	10	89	PEACO	KM12.9	0	0	
0	641	MW	341.				ES			9	10	89	PEACO	KM12.9	0	0	
0	564	MW	302.				ES			9	10	89	PEACO	KM12.9	0	0	
0	626	MW	270.				ES			9	10	89	PEACO	KM12.9	0	0	
0	642	MW	305.				ES			9	10	89	PEACO	KM12.9	0	0	
0	616	MW	305.				ES			9	10	89	PEACO	KM12.9	0	0	
0	541	MW	349.				ES			9	10	89	PEACO	KM12.9	0	0	
0	536	MW	271.				ES			9	10	89	PEACO	KM12.9	0	0	
0	602	MW	288.				ES			9	10	89	PEACO	KM12.9	0	0	
0	538	MW	354.				ES			9	10	89	PEACO	KM12.9	0	0	
0	546	MW	342.				ES			9	10	89	PEACO	KM12.9	0	0	
0	615	MW	317.				ES			9	10	89	PEACO	KM12.9	0	0	
0	599	MW	291.				ES			9	10	89	PEACO	KM12.9	0	0	
0	540	MW	332.				ES			9	10	89	PEACO	KM12.9	0	0	
0	606	MW	260.				ES			9	10	89	PEACO	KM12.9	0	0	
0	569	MW	264.				ES			9	10	89	PEACO	KM12.9	0	0	
0	634	MW	308.				ES			9	10	89	PEACO	KM12.9	0	0	
0	617	MW	263.				ES			9	10	89	PEACO	KM12.9	0	0	
0	594	MW	286.				ES			9	10	89	PEACO	KM12.9	0	0	
0	561	MW	307.				ES			9	10	89	PEACO	KM12.9	0	0	
0	545	MW	304.				ES			9	10	89	PEACO	KM12.9	0	0	
0	605	MW	264.				ES			9	10	89	PEACO	KM12.9	0	0	
0	606	MW	326.				ES			9	10	89	PEACO	KM12.9	0	0	
0	533	MW	306.				ES			9	10	89	PEACO	KM12.9	0	0	
0	635	MW	306.				ES			9	10	89	PEACO	KM12.9	0	0	
0	595	MW	321.				ES			9	10	89	PEACO	KM12.9	0	0	
0	534	MW	312.				ES			9	10	89	PEACO	KM12.9	0	0	
0	596	MW	338.				ES			9	10	89	PEACO	KM12.9	0	0	
0	646	MW	301.				ES			9	10	89	PEACO	KM12.9	0	0	
0	575	MW	270.				ES			9	10	89	PEACO	KM12.9	0	0	
0	549	MW	256.				ES			9	10	89	PEACO	KM12.9	0	0	
0	613	MW	371.				ES			9	10	89	PEACO	KM12.9	0	0	
0	583	MW	235.				ES			9	10	89	PEACO	KM12.9	0	0	
0	619	MW	304.				ES			9	10	89	PEACO	KM12.9	0	0	
0	581	MW	284.				ES			9	10	89	PEACO	KM12.9	0	0	
0	565	MW	303.				ES			9	10	89	PEACO	KM12.9	0	0	
0	600	MW	318.				ES			9	10	89	PEACO	KM12.9	0	0	
0	539	MW	316.				ES			9	10	89	PEACO	KM12.9	0	0	
0	646	MW	194.				ES			9	10	89	PEACO	KM12.9	0	0	

0	563	MW	274.				ES			9	10	89	PEACO	KM12.9	0	0	
0	586	MW	337.				ES			9	10	89	PEACO	KM12.9	0	0	
0	607	MW	257.				ES			9	10	89	PEACO	KM12.9	0	0	
0	639	MW	247.				ES			9	10	89	PEACO	KM12.9	0	0	
0	610	MW	376.				ES			9	10	89	PEACO	KM12.9	0	0	
0	589	MW	322.				ES			9	10	89	PEACO	KM12.9	0	0	
0	554	MW	282.				ES			9	10	89	PEACO	KM12.9	0	0	
0	547	MW	293.				ES			9	10	89	PEACO	KM12.9	0	0	
0	632	MW	257.				ES			9	10	89	PEACO	KM12.9	0	0	
0	603	MW	304.				ES			9	10	89	PEACO	KM12.9	0	0	
0	629	MW	307.				ES			9	10	89	PEACO	KM12.9	0	0	
0	628	MW	285.				ES			9	10	89	PEACO	KM12.9	0	0	
0	579	MW	306.				ES			9	10	89	PEACO	KM12.9	0	0	
0	576	MW	303.				ES			9	10	89	PEACO	KM12.9	0	0	
0	571	MW	287.				ES			9	10	89	PEACO	KM12.9	0	0	
0	638	MW	317.				ES			9	10	89	PEACO	KM12.9	0	0	
0	552	MW	309.				ES			9	10	89	PEACO	KM12.9	0	0	
0	588	MW	301.				ES			9	10	89	PEACO	KM12.9	0	0	
0	625	MW	352.				ES			9	10	89	PEACO	KM12.9	0	0	
0	573	MW	271.				ES			9	10	89	PEACO	KM12.9	0	0	
0	624	MW	279.				ES			9	10	89	PEACO	KM12.9	0	0	
0	640	MW	253.				ES			9	10	89	PEACO	KM12.9	0	0	
0	586	MW	358.				ES			9	10	89	PEACO	KM12.9	0	0	
0	530	MW	255.				ES			9	10	89	PEACO	KM12.9	0	0	
0	649	MW	279.				ES			9	10	89	PEACO	KM12.9	0	0	
0	557	MW	283.				ES			9	10	89	PEACO	KM12.9	0	0	
0	620	MW	281.				ES			9	10	89	PEACO	KM12.9	0	0	
0	592	MW	256.				ES			9	10	89	PEACO	KM12.9	0	0	
0	532	MW	305.				ES			9	10	89	PEACO	KM12.9	0	0	
0	560	MW	290.				ES			9	10	89	PEACO	KM12.9	0	0	
0	582	MW	302.				ES			9	10	89	PEACO	KM12.9	0	0	
0	535	MW	283.				ES			9	10	89	PEACO	KM12.9	0	0	
0	601	MW	296.				ES			9	10	89	PEACO	KM12.9	0	0	
0	551	MW	243.				ES			9	10	89	PEACO	KM12.9	0	0	
01102		MW	278.				ES			12	10	89	PEACO	KM13.0	0	0	
01131		MW	295.	334.	7		ES			12	10	89	PEACO	KM13.0	1	0	ST02 (2 EPHEM.)
01092		MW	320.				ES			12	10	89	PEACO	KM13.0	0	0	
C	283	MW	286.				ES		Y13866	11	10	89	PEACO	KM13.0	0	0	
01081		MW	284.				ES			12	10	89	PEACO	KM13.0	0	0	
C	244	MW	276.				ES		Y13847	11	10	89	PEACO	KM13.0	0	0	
01426		MW	284.				ES		Y15007	13	10	89	PEACO	KM13.0	0	0	
01118		MW	265.				ES			12	10	89	PEACO	KM13.0	0	0	
01122		MW	258.				ES			12	10	89	PEACO	KM13.0	0	0	
01151		MW	288.		17		ES			12	10	89	PEACO	KM13.0	0	0	
C	246	MW	284.				ES		Y13844	11	10	89	PEACO	KM13.0	0	0	
01138		MW	302.				ES			12	10	89	PEACO	KM13.0	0	0	
01411		MW	284.				ES		Y13746	13	10	89	PEACO	KM13.0	0	0	
C	238	MW	291.				ES		Y13844	11	10	89	PEACO	KM13.0	0	0	
01096		MW	329.				ES			12	10	89	PEACO	KM13.0	0	0	
C	243	MW	226.				ES			11	10	89	PEACO	KM13.0	0	0	
01152		MW	288.				ES			12	10	89	PEACO	KM13.0	0	0	
01147		MW	312.				ES			12	10	89	PEACO	KM13.0	0	0	
C	229	MW	346.				ES		Y13836	11	10	89	PEACO	KM13.0	0	0	
C	268	MW	258.				ES		Y13860	11	10	89	PEACO	KM13.0	0	0	
01423		MW	310.				ES		Y15005	13	10	89	PEACO	KM13.0	0	0	
C	249	MW	258.				ES		Y13861	11	10	89	PEACO	KM13.0	0	0	
01104		MW	363.		17		ES			12	10	89	PEACO	KM13.0	0	0	
01140		MW	277.				ES			12	10	89	PEACO	KM13.0	0	0	
C	240	MW	243.				ES			11	10	89	PEACO	KM13.0	0	0	
01409		MW	321.				ES			13	10	89	PEACO	KM13.0	0	0	

University of Alberta

0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	388	MW	298.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
C	140	MW	255.			ES		9	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	422	MW	258.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01221		MW	294.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	391	MW	328.			ES		8	10	89	PEACO	KM12.8	0	0
01177		MW	336.			ES		12	10	89	PEACO	KM12.8	0	0
C	142	MW	259.			ES		9	10	89	PEACO	KM12.8	0	0
0	421	MW	267.			ES		8	10	89	PEACO	KM12.8	0	0
0	430	MW	287.			ES		8	10	89	PEACO	KM12.8	0	0
0	416	MW	229.			ES		8	10	89	PEACO	KM12.8	0	0
01205		MW	281.			ES		12	10	89	PEACO	KM12.8	0	0
0	403	MW	303.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01226		MW	312.			ES		12	10	89	PEACO	KM12.8	0	0
0	405	MW	283.			ES		8	10	89	PEACO	KM12.8	0	0
01168		MW	341.			ES		12	10	89	PEACO	KM12.8	0	0
01165		MW	323.			ES		12	10	89	PEACO	KM12.8	0	0
01175		MW	304.			ES		12	10	89	PEACO	KM12.8	0	0
0	406	MW	247.			ES		8	10	89	PEACO	KM12.8	0	0
01203		MW	317.			ES		12	10	89	PEACO	KM12.8	0	0
0	382	MW	288.			ES		8	10	89	PEACO	KM12.8	0	0
01170		MW	283.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01225		MW	292.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01198		MW	286.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01192		MW	329.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	404	MW	313.			ES		8	10	89	PEACO	KM12.8	0	0
0	386	MW	417.			ES		8	10	89	PEACO	KM12.8	0	0
01185		MW	304.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	387	MW	278.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01208		MW	255.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	383	MW	285.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01190		MW	295.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01195		MW	271.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	407	MW	324.			ES		8	10	89	PEACO	KM12.8	0	0
01200		MW	284.			ES		12	10	89	PEACO	KM12.8	0	0
0	392	MW	324.			ES		8	10	89	PEACO	KM12.8	0	0
01234		MW	312.			ES		12	10	89	PEACO	KM12.8	0	0
01183		MW	323.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01210		MW	296.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	428	MW	384.			ES		8	10	89	PEACO	KM12.8	0	0
0	415	MW	234.			ES		8	10	89	PEACO	KM12.8	0	0

0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	408	MW	294.			ES		8	10	89	PEACO	KM12.8	0	0
01202		MW	253.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01176		MW	287.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01164		MW	274.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	390	MW	280.			ES		8	10	89	PEACO	KM12.8	0	0
C	143	MW	271.			ES		9	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01220		MW	299.			ES		12	10	89	PEACO	KM12.8	0	0
01179		MW	258.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01233		MW	284.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	420	MW	271.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01188		MW	293.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01178		MW	247.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01183		MW	333.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	381	MW	257.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01227		MW	270.			ES		12	10	89	PEACO	KM12.8	0	0
0	400	MW	282.			ES		8	10	89	PEACO	KM12.8	0	0
01229		MW	287.			ES		12	10	89	PEACO	KM12.8	0	0
0	570	MW	282.			ES		9	10	89	PEACO	KM12.9	0	0
0	531	MW	334.			ES		9	10	89	PEACO	KM12.9	0	0
0	542	MW	282.			ES		9	10	89	PEACO	KM12.9	0	0
0	569	MW	284.			ES		9	10	89	PEACO	KM12.9	0	0
0	618	MW	284			ES		9	10	89	PEACO	KM12.9	0	0
0	565	MW	298			ES		9	10	89	PEACO	KM12.9	0	0
0	609	MW	283.			ES		9	10	89	PEACO	KM12.9	0	0
0	550	MW	197			ES		9	10	89	PEACO	KM12.9	0	0
0	544	MW	299			ES		9	10	89	PEACO	KM12.9	0	0
0	587	MW	297			ES		9	10	89	PEACO	KM12.9	0	0
0	586	MW	236			ES		9	10	89	PEACO	KM12.9	0	0
0	614	MW	311			ES		9	10	89	PEACO	KM12.9	0	0
0	611	MW	274.			ES		9	10	89	PEACO	KM12.9	0	0
0	593	MW	298			ES		9	10	89	PEACO	KM12.9	0	0
0	627	MW	284.			ES		9	10	89	PEACO	KM12.9	0	0
0	567	MW	340.			ES		9	10	89	PEACO	KM12.9	0	0
0	837	MW	283.			ES		9	10	89	PEACO	KM12.9	0	0
0	530	MW	352			ES		9	10	89	PEACO	KM12.9	0	0
0	550	MW	274.			ES		9	10	89	PEACO	KM12.9	0	0

University of Alberta

C 273	MW	335.			ES		Y13863	11	10	89	PEACO	KM12.7	0	0
0 710	MW	183.			ES			9	10	89	PEACO	KM12.7	0	0
01459	MW	313.			ES		Y15033	13	10	89	PEACO	KM12.7	0	0
01450	MW	308.			ES		Y15026	13	10	89	PEACO	KM12.7	0	0
C 278	MW	216.			ES			11	10	89	PEACO	KM12.7	0	0
0 713	MW	290.			ES			9	10	89	PEACO	KM12.7	0	0
0 718	MW	170.			ES			9	10	89	PEACO	KM12.7	0	0
C 275	MW	228.			ES			11	10	89	PEACO	KM12.7	0	0
C 285	MW	286.			ES		Y13870	11	10	89	PEACO	KM12.7	0	0
C 290	MW	271.			ES		Y13874	11	10	89	PEACO	KM12.7	0	0
01477	MW	358.			ES		Y15045	13	10	89	PEACO	KM12.7	0	0
C 284	MW	255.			ES		Y13889	11	10	89	PEACO	KM12.7	0	0
0 672	MW	375.			ES			9	10	89	PEACO	KM12.7	0	0
01466	MW	288.			ES			13	10	89	PEACO	KM12.7	0	0
0 695	MW	289.			ES			9	10	89	PEACO	KM12.7	0	0
0 715	MW	231.			ES			9	10	89	PEACO	KM12.7	0	0
0 666	MW	297.			ES			9	10	89	PEACO	KM12.7	0	0
01445	MW	356.			ES		Y15022	13	10	89	PEACO	KM12.7	0	0
01457	MW	316.			ES		Y15030	13	10	89	PEACO	KM12.7	0	0
0 654	MW	380.			ES			8	10	89	PEACO	KM12.7	0	0
0 668	MW	305.			ES			9	10	89	PEACO	KM12.7	0	0
C 280	MW	277.			ES		Y13866	11	10	89	PEACO	KM12.7	0	0
01235	MW	282.			ES			12	10	89	PEACO	KM12.8	0	0
0 380	MW	334.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01208	MW	292.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01186	MW	285.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 419	MW	250.			ES			8	10	89	PEACO	KM12.8	0	0
01191	MW	270.			ES			12	10	89	PEACO	KM12.8	0	0
01172	MW	294.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 378	MW	373.			ES			8	10	89	PEACO	KM12.8	0	0
0 413	MW	236.			ES			8	10	89	PEACO	KM12.8	0	0
01218	MW	261.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01198	MW	302.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01206	MW	288.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 414	MW	257.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01213	MW	303.			ES			12	10	89	PEACO	KM12.8	0	0
0 411	MW	283.			ES			8	10	89	PEACO	KM12.8	0	0
0 401	MW	271.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 423	MW	303.			ES			8	10	89	PEACO	KM12.8	0	0
01193	MW	284.			ES			12	10	89	PEACO	KM12.8	0	0
01182	MW	294.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01167	MW	287.			ES			12	10	89	PEACO	KM12.8	0	0
01217	MW	320.			ES			12	10	89	PEACO	KM12.8	0	0
01180	MW	253.			ES			12	10	89	PEACO	KM12.8	0	0
0 398	MW	279.			ES			8	10	89	PEACO	KM12.8	0	0
01207	MW	278.			ES			12	10	89	PEACO	KM12.8	0	0
0 393	MW	318.			ES			8	10	89	PEACO	KM12.8	0	0
0 429	MW	264.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 399	MW	288.			ES			8	10	89	PEACO	KM12.8	0	0

0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01219	MW	255.			ES			12	10	89	PEACO	KM12.8	0	0
01188	MW	284.			ES			12	10	89	PEACO	KM12.8	0	0
01196	MW	311.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01211	MW	341.			ES			12	10	89	PEACO	KM12.8	0	0
0 428	MW	244.			ES			8	10	89	PEACO	KM12.8	0	0
01230	MW	241.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01232	MW	356.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01181	MW	308.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01171	MW	316.			ES			12	10	89	PEACO	KM12.8	0	0
01197	MW	274.			ES			12	10	89	PEACO	KM12.8	0	0
0 418	MW	279.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
C 138	MW	288.			ES			8	10	89	PEACO	KM12.8	0	0
01204	MW	304.			ES			12	10	89	PEACO	KM12.8	0	0
0 397	MW	286.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01187	MW	295.			ES			12	10	89	PEACO	KM12.8	0	0
01223	MW	316.			ES			12	10	89	PEACO	KM12.8	0	0
0 427	MW	322.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01214	MW	310.			ES			12	10	89	PEACO	KM12.8	0	0
01173	MW	313.			ES			12	10	89	PEACO	KM12.8	0	0
01194	MW	325.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 410	MW	241.			ES			8	10	89	PEACO	KM12.8	0	0
01222	MW	320.			ES			12	10	89	PEACO	KM12.8	0	0
01224	MW	292.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
C 139	MW	286.			ES			9	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01212	MW	236.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 425	MW	223.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01215	MW	337.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 408	MW	327.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 424	MW	266.			ES			8	10	89	PEACO	KM12.8	0	0
01174	MW	264.			ES			12	10	89	PEACO	KM12.8	0	0
01228	MW	274.			ES			12	10	89	PEACO	KM12.8	0	0
01231	MW	324.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 385	MW	245.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	0
01169	MW	284.			ES			12	10	89	PEACO	KM12.8	0	0
C 141	MW	246.			ES			9	10	89	PEACO	KM12.8	0	0
0 398	MW	281.			ES			8	10	89	PEACO	KM12.8	0	0
01216	MW	265.			ES			12	10	89	PEACO	KM12.8	0	0
0 400	MW	282.			ES			8	10	89	PEACO	KM12.8	0	[redacted]
01201	MW	291.			ES			12	10	89	PEACO	KM12.8	0	[redacted]

01242	MW	258.	ES		12	10	89	PEACO	KM12.6	0	0
C 303	MW	287.	ES	Y13883	11	10	89	PEACO	KM12.6	0	0
0 435	MW	329.	ES		8	10	89	PEACO	KM12.6	0	0
01253	MW	324.	ES		12	10	89	PEACO	KM12.6	0	0
C 24	MW	270.	ES		9	10	89	PEACO	KM12.6	0	0
01243	MW	296.	ES		12	10	89	PEACO	KM12.6	0	0
01281	MW	356.	ES		12	10	89	PEACO	KM12.6	0	0
0 446	MW	293.	ES		8	10	89	PEACO	KM12.6	0	0
0 457	MW	298.	ES		8	10	89	PEACO	KM12.6	0	0
01270	MW	340.	ES		12	10	89	PEACO	KM12.6	0	0
C 311	MW	280.	ES	Y13888	11	10	89	PEACO	KM12.6	0	0
C 307	MW	223.	ES		11	10	89	PEACO	KM12.6	0	0
0 470	MW	300.	ES		8	10	89	PEACO	KM12.6	0	0
0 440	MW	349.	ES		8	10	89	PEACO	KM12.6	0	0
0 477	MW	275.	ES		8	10	89	PEACO	KM12.6	0	0
01256	MW	322.	ES		12	10	89	PEACO	KM12.6	0	0
0 469	MW	335.	ES		8	10	89	PEACO	KM12.6	1	0
01276	MW	314.	ES		12	10	89	PEACO	KM12.6	1	0
0 475	MW	295.	ES		8	10	89	PEACO	KM12.6	0	0
01265	MW	330.	ES		12	10	89	PEACO	KM12.6	0	0
0 447	MW	289.	ES		8	10	89	PEACO	KM12.6	0	0
C 305	MW	223.	ES		11	10	89	PEACO	KM12.6	0	0
C 25	MW	251.	ES		9	10	89	PEACO	KM12.6	0	0
01253	MW	336.	ES		12	10	89	PEACO	KM12.6	0	0
0 664	MW	283.	ES		9	10	89	PEACO	KM12.7	0	0
01476	MW	429.	ES	Y15044	13	10	89	PEACO	KM12.7	0	0
0 711	MW	320.	ES		9	10	89	PEACO	KM12.7	0	0
C 281	MW	271.	ES	Y13867	11	10	89	PEACO	KM12.7	0	0
01478	MW	284.	ES	Y15046	13	10	89	PEACO	KM12.7	0	0
01453	MW	225.	ES		13	10	89	PEACO	KM12.7	0	0
0 687	MW	284.	ES		9	10	89	PEACO	KM12.7	0	0
01461	MW	338.	ES	Y15034	13	10	89	PEACO	KM12.7	0	0
0 686	MW	318.	ES		9	10	89	PEACO	KM12.7	0	0
0 655	MW	322.	ES		9	10	89	PEACO	KM12.7	0	0
0 667	MW	295.	ES		9	10	89	PEACO	KM12.7	0	0
0 704	MW	271.	ES		9	10	89	PEACO	KM12.7	0	0
0 708	MW	320.	ES		9	10	89	PEACO	KM12.7	0	0
01467	MW	285.	ES	Y15037	13	10	89	PEACO	KM12.7	0	0
C 285	MW	277.	ES		11	10	89	PEACO	KM12.7	0	0
0 719	MW	187.	ES		9	10	89	PEACO	KM12.7	0	0
01449	MW	319.	ES	Y15025	13	10	89	PEACO	KM12.7	0	0
0 703	MW	325.	ES		9	10	89	PEACO	KM12.7	0	0
0 699	MW	320.	ES		9	10	89	PEACO	KM12.7	0	0
01469	MW	302.	ES	Y15038	13	10	89	PEACO	KM12.7	0	0
0 691	MW	180.	ES		9	10	89	PEACO	KM12.7	0	0
C 271	MW	249.	ES		11	10	89	PEACO	KM12.7	0	0
0 693	MW	358.	ES		9	10	89	PEACO	KM12.7	0	0
01451	MW	330.	ES	Y15027	13	10	89	PEACO	KM12.7	0	0
C 279	MW	289.	ES	Y13865	11	10	89	PEACO	KM12.7	0	0
0 689	MW	271.	ES		9	10	89	PEACO	KM12.7	0	0
0 678	MW	349.	ES		9	10	89	PEACO	KM12.7	0	0
0 671	MW	345.	ES		9	10	89	PEACO	KM12.7	0	0
01443	MW	375.	ES	Y15020	13	10	89	PEACO	KM12.7	0	0
C 294	MW	307.	ES		11	10	89	PEACO	KM12.7	0	0
01479	MW	285.	ES	Y15047	13	10	89	PEACO	KM12.7	0	0
0 701	MW	250.	ES		9	10	89	PEACO	KM12.7	0	0
01472	MW	256.	ES		13	10	89	PEACO	KM12.7	0	0
0 700	MW	384.	ES		9	10	89	PEACO	KM12.7	0	0
0 662	MW	285.	ES		9	10	89	PEACO	KM12.7	0	0
0 664	MW	300.	ES		9	10	89	PEACO	KM12.7	0	0

0 661	MW	310.	ES		9	10	89	PEACO	KM12.7	0	0
0 673	MW	271.	ES		9	10	89	PEACO	KM12.7	0	0
C 291	MW	280.	ES	Y13875	11	10	89	PEACO	KM12.7	0	0
0 705	MW	274.	ES		9	10	89	PEACO	KM12.7	0	0
0 675	MW	275.	ES		9	10	89	PEACO	KM12.7	0	0
C 292	MW	274.	ES	Y13876	11	10	89	PEACO	KM12.7	0	0
0 679	MW	237.	ES		9	10	89	PEACO	KM12.7	0	0
0 680	MW	286.	ES		9	10	89	PEACO	KM12.7	0	0
01465	MW	305.	ES		13	10	89	PEACO	KM12.7	0	0
C 282	MW	301.	ES	Y13888	11	10	89	PEACO	KM12.7	0	0
01462	MW	285.	ES	Y15035	13	10	89	PEACO	KM12.7	0	0
0 706	MW	277.	ES		9	10	89	PEACO	KM12.7	0	0
01452	MW	323.	ES	Y15028	13	10	89	PEACO	KM12.7	0	0
0 680	MW	323.	ES		9	10	89	PEACO	KM12.7	0	0
C 272	MW	259.	ES	Y13862	11	10	89	PEACO	KM12.7	0	0
C 276	MW	289.	ES	Y13864	11	10	89	PEACO	KM12.7	0	0
0 709	MW	231.	ES		9	10	89	PEACO	KM12.7	0	0
01444	MW	301.	ES	Y15021	13	10	89	PEACO	KM12.7	0	0
0 677	MW	294.	ES		9	10	89	PEACO	KM12.7	0	0
0 682	MW	188.	ES		9	10	89	PEACO	KM12.7	0	0
C 289	MW	300.	ES	Y13873	11	10	89	PEACO	KM12.7	0	0
0 682	MW	359.	ES		9	10	89	PEACO	KM12.7	0	0
C 288	MW	284.	ES	Y13872	11	10	89	PEACO	KM12.7	0	0
0 716	MW	185.	ES		9	10	89	PEACO	KM12.7	0	0
0 698	MW	313.	ES		9	10	89	PEACO	KM12.7	0	0
0 694	MW	247.	ES		9	10	89	PEACO	KM12.7	0	0
C 287	MW	302.	ES	Y13871	11	10	89	PEACO	KM12.7	0	0
01446	MW	354.	ES	Y15023	13	10	89	PEACO	KM12.7	0	0
0 681	MW	371.	ES		9	10	89	PEACO	KM12.7	0	0
C 283	MW	250.	ES		11	10	89	PEACO	KM12.7	0	0
0 657	MW	286.	ES		9	10	89	PEACO	KM12.7	0	0
0 674	MW	310.	ES		9	10	89	PEACO	KM12.7	0	0
0 714	MW	356.	ES		9	10	89	PEACO	KM12.7	0	0
C 274	MW	229.	ES		11	10	89	PEACO	KM12.7	0	0
0 656	MW	330.	ES		9	10	89	PEACO	KM12.7	0	0
C 293	MW	304.	ES	Y13877	11	10	89	PEACO	KM12.7	0	0
0 676	MW	290.	ES		9	10	89	PEACO	KM12.7	0	0
0 687	MW	233.	ES		9	10	89	PEACO	KM12.7	0	0
01475	MW	309.	ES	Y15043	13	10	89	PEACO	KM12.7	0	0
C 296	MW	274.	ES		11	10	89	PEACO	KM12.7	0	0
0 696	MW	306.	ES		9	10	89	PEACO	KM12.7	0	0
01468	MW	242.	ES		13	10	89	PEACO	KM12.7	0	0
01460	MW	304.	ES		13	10	89	PEACO	KM12.7	0	0
0 717	MW	286.	ES		9	10	89	PEACO	KM12.7	0	0
01454	MW	313.	ES	Y15029	13	10	89	PEACO	KM12.7	0	0
0 653	MW	365.	ES		9	10	89	PEACO	KM12.7	0	0
01466	MW	236.	ES		13	10	89	PEACO	KM12.7	0	0
0 659	MW	251.	ES		9	10	89	PEACO	KM12.7	0	0
01441	MW	302.	ES	Y15019	13	10	89	PEACO	KM12.7	0	0
0 683	MW	310.	ES		9	10	89	PEACO	KM12.7	0	0
01448	MW	358.	ES	Y15024	13	10	89	PEACO	KM12.7	0	0
01463	MW	387.	ES	Y15036	13	10	89	PEACO	KM12.7	0	0
0 712	MW	192.	ES		9	10	89	PEACO	KM12.7	0	0
C 286	MW	242.	ES		11	10	89	PEACO	KM12.7	0	0
0 685	MW	309.	ES		9	10	89	PEACO	KM12.7	0	0
01440	MW	322.	ES	Y15018	13	10	89	PEACO	KM12.7	0	0
0 702	MW	300.	ES		9	10	89	PEACO	KM12.7	0	0
01471	MW	275.	ES	Y15040	13	10	89	PEACO	KM12.7	0	0
0 670	MW	337.	ES		9	10	89	PEACO	KM12.7	0	0
0 707	MW	196.	ES		9	10	89	PEACO	KM12.7	0	0

University of Alberta

0	761	MW	323.			ES			9	10	89	PEACO	KM12.5	0	0
0	721	MW	291.			ES			9	10	89	PEACO	KM12.5	0	0
0	743	MW	309.			ES			9	10	89	PEACO	KM12.5	0	0
0	754	MW	298.			ES			9	10	89	PEACO	KM12.5	0	0
0	765	MW	305.			ES			9	10	89	PEACO	KM12.5	0	0
0	767	MW	332.			ES			9	10	89	PEACO	KM12.5	0	0
0	744	MW	334.			ES			9	10	89	PEACO	KM12.5	0	0
0	739	MW	335.			ES			9	10	89	PEACO	KM12.5	0	0
0	773	MW	374.			ES			9	10	89	PEACO	KM12.5	0	0
0	724	MW	301.			ES			9	10	89	PEACO	KM12.5	0	0
0	734	MW	331.			ES			9	10	89	PEACO	KM12.5	0	0
0	723	MW	327.			ES			9	10	89	PEACO	KM12.5	0	0
0	768	MW	311.			ES			9	10	89	PEACO	KM12.5	0	0
0	748	MW	270.			ES			9	10	89	PEACO	KM12.5	0	0
0	754	MW	375.			ES			9	10	89	PEACO	KM12.5	0	0
0	763	MW	300.			ES			9	10	89	PEACO	KM12.5	0	0
0	735	MW	286.			ES			9	10	89	PEACO	KM12.5	0	0
0	762	MW	300.			ES			9	10	89	PEACO	KM12.5	0	0
0	733	MW	254.			ES			9	10	89	PEACO	KM12.5	0	0
0	772	MW	310.			ES			9	10	89	PEACO	KM12.5	0	0
0	770	MW	338.			ES			9	10	89	PEACO	KM12.5	0	0
0	737	MW	367.			ES			9	10	89	PEACO	KM12.5	0	0
0	753	MW	314.			ES			9	10	89	PEACO	KM12.5	0	0
C	308	MW	258.			ES		Y13685	11	10	89	PEACO	KM12.6	0	0
0	441	MW	272.			ES			8	10	89	PEACO	KM12.6	0	0
0	434	MW	315.			ES			8	10	89	PEACO	KM12.6	0	0
0	437	MW	300.			ES			8	10	89	PEACO	KM12.6	0	0
01241		MW	278.			ES			12	10	89	PEACO	KM12.6	0	0
01250		MW	350.			ES			12	10	89	PEACO	KM12.6	0	0
0	433	MW	318.			ES			8	10	89	PEACO	KM12.6	0	0
01273		MW	323.			ES			12	10	89	PEACO	KM12.6	0	0
C	315	MW	276.			ES			11	10	89	PEACO	KM12.6	0	0
C	36	MW	192.			ES			9	10	89	PEACO	KM12.6	0	0
C	28	MW	285.			ES			9	10	89	PEACO	KM12.6	0	0
C	32	MW	248.			ES			9	10	89	PEACO	KM12.6	0	0
0	438	MW	274.			ES			8	10	89	PEACO	KM12.6	0	0
C	41	MW	227.			ES			9	10	89	PEACO	KM12.6	0	0
01279		MW	284.			ES			12	10	89	PEACO	KM12.6	0	0
01259		MW	350.			ES			12	10	89	PEACO	KM12.6	0	0
0	439	MW	280.			ES			8	10	89	PEACO	KM12.6	0	0
C	306	MW	249.			ES			11	10	89	PEACO	KM12.6	0	0
0	442	MW	295.			ES			8	10	89	PEACO	KM12.6	0	0
C	310	MW	286.			ES		Y13687	11	10	89	PEACO	KM12.6	0	0
0	476	MW	283.			ES			8	10	89	PEACO	KM12.6	0	0
01282		MW	402.			ES			12	10	89	PEACO	KM12.6	0	0
01238		MW	312.			ES			12	10	89	PEACO	KM12.6	0	0
01257		MW	310.			ES			12	10	89	PEACO	KM12.6	0	0
C	27	MW	302.			ES			9	10	89	PEACO	KM12.6	0	0
01287		MW	286.			ES			12	10	89	PEACO	KM12.6	0	0
0	481	MW	273.			ES			8	10	89	PEACO	KM12.6	0	0
0	458	MW	265.			ES			8	10	89	PEACO	KM12.6	0	0
01267		MW	275.			ES			12	10	89	PEACO	KM12.6	0	0
0	436	MW	361.			ES			8	10	89	PEACO	KM12.6	0	0
01283		MW	315.			ES			12	10	89	PEACO	KM12.6	0	0
01268		MW	265.			ES			12	10	89	PEACO	KM12.6	0	0
0	471	MW	295.			ES			8	10	89	PEACO	KM12.6	0	0
01244		MW	338.			ES			12	10	89	PEACO	KM12.6	0	0
01246		MW	318.			ES			12	10	89	PEACO	KM12.6	0	0
01285		MW	223.			ES			12	10	89	PEACO	KM12.6	0	0
01256		MW	277.			ES			12	10	89	PEACO	KM12.6	0	0

01284		MW	302.			ES			12	10	89	PEACO	KM12.6	0	0
0	472	MW	284.			ES			8	10	89	PEACO	KM12.6	0	0
C	298	MW	296.			ES		Y13678	11	10	89	PEACO	KM12.6	0	0
C	312	MW	282.			ES		Y13689	11	10	89	PEACO	KM12.6	0	0
01254		MW	276.			ES			12	10	89	PEACO	KM12.6	0	0
C	31	MW	305.			ES			9	10	89	PEACO	KM12.6	0	0
01280		MW	342.			ES			12	10	89	PEACO	KM12.6	0	0
0	446	MW	318.			ES			8	10	89	PEACO	KM12.6	0	0
0	478	MW	286.			ES			8	10	89	PEACO	KM12.6	0	0
01271		MW	318.			ES			12	10	89	PEACO	KM12.6	0	0
0	473	MW	376.			ES			8	10	89	PEACO	KM12.6	0	0
01282		MW	314.			ES			12	10	89	PEACO	KM12.6	0	0
0	465	MW	271.			ES			8	10	89	PEACO	KM12.6	0	0
C	309	MW	279.			ES		Y13686	11	10	89	PEACO	KM12.6	0	0
C	23	MW	182.			ES			9	10	89	PEACO	KM12.6	0	0
01260		MW	296.			ES			12	10	89	PEACO	KM12.6	0	0
01264		MW	285.			ES			12	10	89	PEACO	KM12.6	0	0
0	479	MW	290.			ES			8	10	89	PEACO	KM12.6	0	0
01272		MW	330.			ES			12	10	89	PEACO	KM12.6	0	0
0	443	MW	320.			ES			8	10	89	PEACO	KM12.6	0	0
01247		MW	296.			ES			12	10	89	PEACO	KM12.6	0	0
0	474	MW	306.			ES			8	10	89	PEACO	KM12.6	0	0
C	35	MW	188.			ES			9	10	89	PEACO	KM12.6	0	0
0	431	MW	318.			ES			8	10	89	PEACO	KM12.6	0	0
C	29	MW	288.			ES			9	10	89	PEACO	KM12.6	0	0
0	455	MW	258.			ES			8	10	89	PEACO	KM12.6	0	0
0	468	MW	278.			ES			8	10	89	PEACO	KM12.6	0	0
0	466	MW	288.			ES			8	10	89	PEACO	KM12.6	0	0
01240		MW	284.			ES			12	10	89	PEACO	KM12.6	0	0
0	464	MW	281.			ES			8	10	89	PEACO	KM12.6	0	0
01245		MW	307.			ES			12	10	89	PEACO	KM12.6	0	0
C	313	MW	237.			ES			11	10	89	PEACO	KM12.6	0	0
01277		MW	389.			ES			12	10	89	PEACO	KM12.6	0	0
0	432	MW	317.			ES			8	10	89	PEACO	KM12.6	0	0
01278		MW	348.			ES			12	10	89	PEACO	KM12.6	0	0
0	444	MW	309.			ES			8	10	89	PEACO	KM12.6	0	0
0	480	MW	228.			ES			8	10	89	PEACO	KM12.6	0	0
C	314	MW	255.		7	ES			11	10	89	PEACO	KM12.6	0	0
0	450	MW	300.			ES			8	10	89	PEACO	KM12.6	0	0
01261		MW	286.			ES			12	10	89	PEACO	KM12.6	0	0
C	37	MW	203.			ES			9	10	89	PEACO	KM12.6	0	0
01239		MW	280.			ES			12	10	89	PEACO	KM12.6	0	0
01286		MW	310.			ES			12	10	89	PEACO	KM12.6	0	0
01252		MW	332.			ES			12	10	89	PEACO	KM12.6	0	0
C	302	MW	275.			ES		Y13682	11	10	89	PEACO	KM12.6	0	0
C	33	MW	231.			ES			9	10	89	PEACO	KM12.6	0	0
C	304	MW	277.			ES		Y13684	11	10	89	PEACO	KM12.6	0	0
0	453	MW	347.			ES			8	10	89	PEACO	KM12.6	0	0
C	30	MW	306.			ES			9	10	89	PEACO	KM12.6	0	0
C	34	MW	243.			ES			9	10	89	PEACO	KM12.6	0	0
01285		MW	291.			ES			12	10	89	PEACO	KM12.6	0	0
C	316	MW	271.			ES			11	10	89	PEACO	KM12.6	0	0
01251		MW	292.			ES			12	10	89	PEACO	KM12.6	0	0
C	26	MW	412.			ES			9	10	89	PEACO	KM12.6	0	0
0	460	MW	256.			ES			8	10	89	PEACO	KM12.6	0	0
0	445	MW	310.			ES			8	10	89	PEACO	KM12.6	0	0
0	469	MW	315.			ES			8	10	89	PEACO	KM12.6	0	0
0	452	MW	288.			ES			8	10	89	PEACO	KM12.6	0	0
0	464	MW	251.			ES			8	10	89	PEACO	KM12.6	0	0
0	449	MW	265.			ES			8	10	89	PEACO	KM12.6	0	0

01508	MW	326.				ES		Y15069	13	10	89	PEACO	KM12.1	0	0
01533	MW	227.				ES			13	10	89	PEACO	KM12.1	0	0
01378	MW	272.				ES			12	10	89	PEACO	KM12.1	0	0
01522	MW	300.				ES			13	10	89	PEACO	KM12.1	0	0
01363	MW	254.				ES			12	10	89	PEACO	KM12.1	0	0
01384	MW	299.				ES			12	10	89	PEACO	KM12.1	0	0
01492	MW	306.				ES		Y15054	13	10	89	PEACO	KM12.1	0	0
01504	MW	301.				ES		Y15085	13	10	89	PEACO	KM12.1	0	0
01503	MW	327.				ES		Y15064	13	10	89	PEACO	KM12.1	0	0
01342	MW	256.				ES			12	10	89	PEACO	KM12.1	0	0
01535	MW	309.				ES		Y15088	13	10	89	PEACO	KM12.1	0	0
01528	MW	264.				ES		Y15063	13	10	89	PEACO	KM12.1	0	0
01367	MW	261.				ES			12	10	89	PEACO	KM12.1	0	0
01518	MW	342.				ES		Y15073	13	10	89	PEACO	KM12.1	0	0
01540	MW	249.				ES			13	10	89	PEACO	KM12.1	0	0
01383	MW	232.				ES			12	10	89	PEACO	KM12.1	0	0
01520	MW	302.				ES		Y15076	13	10	89	PEACO	KM12.1	0	0
01358	MW	313.				ES			12	10	89	PEACO	KM12.1	0	0
01494	MW	258.				ES		Y15056	13	10	89	PEACO	KM12.1	0	0
01340	MW	299.				ES			12	10	89	PEACO	KM12.1	0	0
01347	MW	278.				ES			12	10	89	PEACO	KM12.1	0	0
01384	MW	287.				ES			12	10	89	PEACO	KM12.1	0	0
01326	MW	280.				ES			12	10	89	PEACO	KM12.4	0	0
01322	MW	296.				ES			12	10	89	PEACO	KM12.4	0	0
01313	MW	295.				ES			12	10	89	PEACO	KM12.4	0	0
01304	MW	380.				ES			12	10	89	PEACO	KM12.4	1	0
C 71	MW	314.				ES			9	10	89	PEACO	KM12.4	0	0
01295	MW	224.				ES			12	10	89	PEACO	KM12.4	0	0
01311	MW	236.				ES			12	10	89	PEACO	KM12.4	0	0
C 89	MW	309.				ES			9	10	89	PEACO	KM12.4	0	0
C 80	MW	281.				ES			9	10	89	PEACO	KM12.4	0	0
C 68	MW	183.				ES			9	10	89	PEACO	KM12.4	0	0
01303	MW	268.				ES			12	10	89	PEACO	KM12.4	0	0
C 78	MW	273.				ES			9	10	89	PEACO	KM12.4	0	0
C 70	MW	288.				ES			9	10	89	PEACO	KM12.4	0	0
01307	MW	264.				ES			12	10	89	PEACO	KM12.4	0	0
C 90	MW	284.				ES			9	10	89	PEACO	KM12.4	0	0
01296	MW	303.		17		ES			12	10	89	PEACO	KM12.4	0	0
01306	MW	279.				ES			12	10	89	PEACO	KM12.4	0	0
C 67	MW	228.				ES			9	10	89	PEACO	KM12.4	0	0
C 77	MW	284.				ES			9	10	89	PEACO	KM12.4	0	0
01325	MW	285.				ES			12	10	89	PEACO	KM12.4	0	0
C 51	MW	272.				ES			9	10	89	PEACO	KM12.4	0	0
C 85	MW	344.				ES			9	10	89	PEACO	KM12.4	0	0
C 60	MW	247.				ES			9	10	89	PEACO	KM12.4	0	0
01310	MW	241.				ES			12	10	89	PEACO	KM12.4	0	0
01315	MW	302.				ES			12	10	89	PEACO	KM12.4	0	0
01297	MW	257.				ES			12	10	89	PEACO	KM12.4	0	0
C 84	MW	160.				ES			9	10	89	PEACO	KM12.4	0	0
01293	MW	255.				ES			12	10	89	PEACO	KM12.4	0	0
01317	MW	221.				ES			12	10	89	PEACO	KM12.4	0	0
C 55	MW	238.				ES			9	10	89	PEACO	KM12.4	0	0
C 59	MW	334.				ES			9	10	89	PEACO	KM12.4	0	0
C 66	MW	339.				ES			9	10	89	PEACO	KM12.4	0	0
01323	MW	286.				ES			12	10	89	PEACO	KM12.4	0	0
C 82	MW	186.				ES			9	10	89	PEACO	KM12.4	0	0
01300	MW	221.				ES			12	10	89	PEACO	KM12.4	0	0
01309	MW	293.				ES			12	10	89	PEACO	KM12.4	0	0
01302	MW	254.				ES			12	10	89	PEACO	KM12.4	0	0
01294	MW	325.				ES			12	10	89	PEACO	KM12.4	0	0

01291	MW	240.				ES			12	10	89	PEACO	KM12.4	0	0
C 62	MW	186.				ES			9	10	89	PEACO	KM12.4	0	0
01299	MW	245.				ES			12	10	89	PEACO	KM12.4	0	0
C 56	MW	245.				ES			9	10	89	PEACO	KM12.4	0	0
01301	MW	295.				ES			12	10	89	PEACO	KM12.4	0	0
C 54	MW	359.				ES			9	10	89	PEACO	KM12.4	0	0
C 75	MW	289.				ES			9	10	89	PEACO	KM12.4	0	0
C 74	MW	302.				ES			9	10	89	PEACO	KM12.4	0	0
C 72	MW	259.				ES			9	10	89	PEACO	KM12.4	0	0
C 62	MW	437.				ES			9	10	89	PEACO	KM12.4	0	0
C 79	MW	255.				ES			9	10	89	PEACO	KM12.4	0	0
C 76	MW	255.				ES			9	10	89	PEACO	KM12.4	0	0
C 64	MW	338.				ES			9	10	89	PEACO	KM12.4	0	0
01306	MW	285.				ES			12	10	89	PEACO	KM12.4	0	0
C 83	MW	225.				ES			9	10	89	PEACO	KM12.4	0	0
01316	MW	222.				ES			12	10	89	PEACO	KM12.4	0	0
C 61	MW	233.				ES			9	10	89	PEACO	KM12.4	0	0
C 73	MW	196.				ES			9	10	89	PEACO	KM12.4	0	0
C 58	MW	227.				ES			9	10	89	PEACO	KM12.4	0	0
01320	MW	252.				ES			12	10	89	PEACO	KM12.4	0	0
C 87	MW	187.				ES			9	10	89	PEACO	KM12.4	0	0
01327	MW	332.				ES			12	10	89	PEACO	KM12.4	0	0
01321	MW	281.				ES			12	10	89	PEACO	KM12.4	0	0
01328	MW	278.				ES			12	10	89	PEACO	KM12.4	0	0
01292	MW	256.				ES			12	10	89	PEACO	KM12.4	0	0
01329	MW	240.				ES			12	10	89	PEACO	KM12.4	0	0
01290	MW	374.				ES			12	10	89	PEACO	KM12.4	0	0
C 49	MW	225.				ES			9	10	89	PEACO	KM12.4	0	0
01298	MW	236.				ES			12	10	89	PEACO	KM12.4	0	0
01314	MW	294.				ES			12	10	89	PEACO	KM12.4	0	0
C 53	MW	329.				ES			9	10	89	PEACO	KM12.4	0	0
C 81	MW	246.				ES			9	10	89	PEACO	KM12.4	0	0
C 63	MW	243.				ES			9	10	89	PEACO	KM12.4	0	0
0 732	MW	284.				ES			9	10	89	PEACO	KM12.5	0	0
0 750	MW	325.				ES			9	10	89	PEACO	KM12.5	0	0
0 726	MW	259.				ES			9	10	89	PEACO	KM12.5	0	0
0 775	MW	279.				ES			9	10	89	PEACO	KM12.5	0	0
0 747	MW	315.				ES			9	10	89	PEACO	KM12.5	0	0
0 784	MW	341.				ES			9	10	89	PEACO	KM12.5	0	0
0 774	MW	305.				ES			9	10	89	PEACO	KM12.5	0	0
0 728	MW	328.				ES			9	10	89	PEACO	KM12.5	0	0
0 742	MW	306.				ES			9	10	89	PEACO	KM12.5	0	0
0 725	MW	339.				ES			9	10	89	PEACO	KM12.5	0	0
0 729	MW	270.				ES			9	10	89	PEACO	KM12.5	0	0
0 757	MW	280.				ES			9	10	89	PEACO	KM12.5	0	0
0 771	MW	317.				ES			9	10	89	PEACO	KM12.5	0	0
0 755	MW	325.				ES			9	10	89	PEACO	KM12.5	0	0
0 731	MW	273.				ES			9	10	89	PEACO	KM12.5	0	0
0 738	MW	400.				ES			9	10	89	PEACO	KM12.5	0	0
0 722	MW	310.				ES			9	10	89	PEACO	KM12.5	0	0
0 745	MW	234.				ES			9	10	89	PEACO	KM12.5	0	0
0 749	MW	305.				ES			9	10	89	PEACO	KM12.5	0	0
0 759	MW	308.				ES			9	10	89	PEACO	KM12.5	0	0
0 740	MW	318.				ES			9	10	89	PEACO	KM12.5	0	0
0 727	MW	328.				ES			9	10	89	PEACO	KM12.5	0	0
0 766	MW	287.				ES			9	10	89	PEACO	KM12.5	0	0
0 738	MW	328.				ES			9	10	89	PEACO	KM12.5	0	0
0 741	MW	322.				ES			9	10	89	PEACO	KM12.5	0	0
0 769	MW	329.				ES			9	10	89	PEACO	KM12.5	0	0
0 756	MW	324.				ES			9	10	89	PEACO	KM12.5	0	0

University of Alberta

01591	MW	292.				ES		Y15124	13	10	89	PEACO	KM11.7	0	0	
01584	MW	339.				ES		Y15122	13	10	89	PEACO	KM11.7	0	0	
01550	MW	340.				ES		Y15098	13	10	89	PEACO	KM11.7	0	0	
01553	MW	351.				ES		Y15100	13	10	89	PEACO	KM11.7	0	0	
01577	MW	346.				ES		Y15117	13	10	89	PEACO	KM11.7	0	0	
01604	MW	389.				ES		Y15140	13	10	89	PEACO	KM11.7	0	0	
01580	MW	347.				ES		Y15119	13	10	89	PEACO	KM11.7	0	0	
01559	MW	347.				ES		Y15104	13	10	89	PEACO	KM11.7	0	0	
01557	MW	292.				ES			13	10	89	PEACO	KM11.7	0	0	
01568	MW	339.				ES			13	10	89	PEACO	KM11.7	0	0	
01588	MW	346.				ES		Y15125	13	10	89	PEACO	KM11.7	0	0	
01561	MW	336.				ES			13	10	89	PEACO	KM11.7	0	0	
01551	MW	303.				ES		Y15099	13	10	89	PEACO	KM11.7	0	0	
01602	MW	247.				ES			13	10	89	PEACO	KM11.7	0	0	
01569	MW	286.				ES		Y15110	13	10	89	PEACO	KM11.7	0	0	
01579	MW	325.				ES			13	10	89	PEACO	KM11.7	0	0	
01549	MW	381.				ES			13	10	89	PEACO	KM11.7	0	0	
01593	MW	360.				ES		Y15130	13	10	89	PEACO	KM11.7	0	0	
01598	MW	363.				ES		Y15135	13	10	89	PEACO	KM11.7	0	0	
01582	MW	273.				ES		Y15120	13	10	89	PEACO	KM11.7	0	0	
01589	MW	360.				ES		Y15126	13	10	89	PEACO	KM11.7	0	0	
01548	MW	336.				ES		Y15097	13	10	89	PEACO	KM11.7	0	0	
01496	MW	319.				ES		Y15058	13	10	89	PEACO	KM12.1	0	0	
01501	MW	329.				ES		Y15062	13	10	89	PEACO	KM12.1	0	0	
01487	MW	310.				ES		Y15060	13	10	89	PEACO	KM12.1	0	0	
01362	MW	324.				ES			12	10	89	PEACO	KM12.1	0	0	
01388	MW	316.				ES			12	10	89	PEACO	KM12.1	0	0	
01336	MW	268.				ES			12	10	89	PEACO	KM12.1	0	0	
01487	MW	273.				ES			13	10	89	PEACO	KM12.1	0	0	
01511	MW	340.				ES		Y15071	13	10	89	PEACO	KM12.1	0	0	
01538	MW	283.				ES		Y15081	13	10	89	PEACO	KM12.1	0	0	
01519	MW	227.				ES			13	10	89	PEACO	KM12.1	0	0	
01391	MW	303.				ES			12	10	89	PEACO	KM12.1	0	0	
01365	MW	294.				ES			12	10	89	PEACO	KM12.1	0	0	
01375	MW	317.				ES			12	10	89	PEACO	KM12.1	0	0	
01371	MW	345.				ES			12	10	89	PEACO	KM12.1	0	0	
01355	MW	283.				ES			12	10	89	PEACO	KM12.1	0	0	
01498	MW	366.				ES		Y15059	13	10	89	PEACO	KM12.1	0	0	
01490	MW	314.				ES			13	10	89	PEACO	KM12.1	0	0	
01374	MW	327.				ES			12	10	89	PEACO	KM12.1	0	0	
01510	MW	312.				ES		Y15070	13	10	89	PEACO	KM12.1	0	0	
01386	MW	343.				ES			12	10	89	PEACO	KM12.1	0	0	
01349	MW	310.				ES			12	10	89	PEACO	KM12.1	0	0	
01506	MW	293.				ES			13	10	89	PEACO	KM12.1	0	0	
01515	MW	316.				ES		Y15074	13	10	89	PEACO	KM12.1	0	0	
01508	MW	278.				ES		Y15068	13	10	89	PEACO	KM12.1	0	0	
01517	MW	293.				ES		Y15075	13	10	89	PEACO	KM12.1	0	0	
01489	MW	460.		17		ES			13	10	89	PEACO	KM12.1	1	0	STOS (STRICH)
01376	MW	254.				ES			12	10	89	PEACO	KM12.1	0	0	
01351	MW	285.				ES			12	10	89	PEACO	KM12.1	0	0	
01530	MW	319.				ES		Y15085	13	10	89	PEACO	KM12.1	0	0	
01343	MW	304.				ES			12	10	89	PEACO	KM12.1	0	0	
01392	MW	264.				ES			12	10	89	PEACO	KM12.1	0	0	
01544	MW	254.				ES		Y15096	13	10	89	PEACO	KM12.1	0	0	
01387	MW	274.				ES			12	10	89	PEACO	KM12.1	0	0	
01381	MW	258.				ES			12	10	89	PEACO	KM12.1	0	0	
01360	MW	282.				ES			12	10	89	PEACO	KM12.1	0	0	
01384	MW	290.				ES			12	10	89	PEACO	KM12.1	0	0	
01524	MW	311.				ES		Y15078	13	10	89	PEACO	KM12.1	0	0	
01385	MW	271.				ES			12	10	89	PEACO	KM12.1	0	0	

01382	MW	272.				ES			12	10	89	PEACO	KM12.1	0	0
01514	MW	243.				ES			13	10	89	PEACO	KM12.1	0	0
01367	MW	304.				ES			12	10	89	PEACO	KM12.1	0	0
01389	MW	422.				ES			12	10	89	PEACO	KM12.1	0	0
01356	MW	283.				ES			12	10	89	PEACO	KM12.1	0	0
01337	MW	296.				ES			12	10	89	PEACO	KM12.1	0	0
01372	MW	306.				ES			12	10	89	PEACO	KM12.1	0	0
01543	MW	247.				ES			13	10	89	PEACO	KM12.1	0	0
01463	MW	261.				ES			13	10	89	PEACO	KM12.1	0	0
01516	MW	327.				ES			13	10	89	PEACO	KM12.1	0	0
01339	MW	308.				ES			12	10	89	PEACO	KM12.1	0	0
01399	MW	303.				ES			12	10	89	PEACO	KM12.1	0	0
01352	MW	282.				ES			12	10	89	PEACO	KM12.1	0	0
01350	MW	276.				ES			12	10	89	PEACO	KM12.1	0	0
01397	MW	313.				ES			12	10	89	PEACO	KM12.1	0	0
01502	MW	327.				ES		Y15063	13	10	89	PEACO	KM12.1	0	0
01526	MW	297.				ES		Y15081	13	10	89	PEACO	KM12.1	0	0
01483	MW	277.				ES		Y15055	13	10	89	PEACO	KM12.1	0	0
01353	MW	315.				ES			12	10	89	PEACO	KM12.1	0	0
01466	MW	331.				ES		Y15050	13	10	89	PEACO	KM12.1	0	0
01358	MW	283.				ES			12	10	89	PEACO	KM12.1	0	0
01398	MW	342.				ES			12	10	89	PEACO	KM12.1	0	0
01379	MW	318.				ES			12	10	89	PEACO	KM12.1	0	0
01512	MW	237.				ES			13	10	89	PEACO	KM12.1	0	0
01505	MW	319.				ES		Y15066	13	10	89	PEACO	KM12.1	0	0
01341	MW	303.				ES			12	10	89	PEACO	KM12.1	0	0
01536	MW	273.				ES		Y15088	13	10	89	PEACO	KM12.1	0	0
01529	MW	313.				ES		Y15064	13	10	89	PEACO	KM12.1	0	0
01491	MW	284.				ES		Y15053	13	10	89	PEACO	KM12.1	0	0
01539	MW	301.				ES		Y15082	13	10	89	PEACO	KM12.1	0	0
01381	MW	316.				ES			12	10	89	PEACO	KM12.1	0	0
01525	MW	335.				ES		Y15080	13	10	89	PEACO	KM12.1	0	0
01542	MW	282.				ES		Y15094	13	10	89	PEACO	KM12.1	0	0
01499	MW	300.				ES		Y15052	13	10	89	PEACO	KM12.1	0	0
01500	MW	278.				ES		Y15061	13	10	89	PEACO	KM12.1	0	0
01513	MW	326.				ES		Y15072	13	10	89	PEACO	KM12.1	0	0
01346	MW	314.				ES			12	10	89	PEACO	KM12.1	0	0
01366	MW	322.				ES			12	10	89	PEACO	KM12.1	0	0
01527	MW	283.				ES		Y15082	13	10	89	PEACO	KM12.1	0	0
01507	MW	269.				ES		Y15067	13	10	89	PEACO	KM12.1	0	0
01534	MW	324.				ES		Y15087	13	10	89	PEACO	KM12.1	0	0
01373	MW	263.				ES			12	10	89	PEACO	KM12.1	0	0
01369	MW	404.				ES			12	10	89	PEACO	KM12.1	0	0
01394	MW	280.				ES			12	10	89	PEACO	KM12.1	0	0
01395	MW	351.				ES			12	10	89	PEACO	KM12.1	0	0
01348	MW	294.				ES			12	10	89	PEACO	KM12.1	0	0
01541	MW	300.				ES		Y15093	13	10	89	PEACO	KM12.1	0	0
01338	MW	267.				ES			12	10	89	PEACO	KM12.1	0	0
01370	MW	279.				ES			12	10	89	PEACO	KM12.1	0	0
01380	MW	363.				ES			12	10	89	PEACO	KM12.1	0	0
01482	MW	278.				ES			13	10	89	PEACO	KM12.1	0	0
01532	MW	221.				ES			13	10	89	PEACO	KM12.1	0	0
01481	MW	332.				ES			13	10	89	PEACO	KM12.1	0	0
01390	MW	353.				ES			12	10	89	PEACO	KM12.1	0	0
01495	MW	328.				ES		Y15057	13	10	89	PEACO	KM12.1	0	0
01377	MW	346.				ES			12	10	89	PEACO	KM12.1	0	0
01344	MW	277.				ES			12	10	89	PEACO	KM12.1	0	0
01346	MW	397.				ES			12	10	89	PEACO	KM12.1	0	0
01364	MW	353.				ES			12	10	89	PEACO	KM12.1	0	0
01383	MW	278.				ES			12	10	89	PEACO	KM12.1	0	0

01674	MW	346.				ES		Y15193	13	10	89	PEACO	KM11.3	0	0	
01663	MW	319.				ES		Y15183	13	10	89	PEACO	KM11.3	0	0	
01656	MW	257.				ES		Y15179	13	10	89	PEACO	KM11.3	0	0	
01667	MW	320.				ES		Y15186	13	10	89	PEACO	KM11.3	0	0	
01690	MW	340.				ES		Y15207	13	10	89	PEACO	KM11.3	0	0	
01685	MW	296.				ES		Y15202	13	10	89	PEACO	KM11.3	0	0	
01680	MW	337.				ES			13	10	89	PEACO	KM11.3	0	0	
01691	MW	320.				ES		Y15204	13	10	89	PEACO	KM11.3	0	0	
01669	MW	343.				ES		Y15184	13	10	89	PEACO	KM11.3	0	0	
01673	MW	319.				ES		Y15191	13	10	89	PEACO	KM11.3	0	0	
01666	MW	363.				ES		Y15185	13	10	89	PEACO	KM11.3	0	0	
01686	MW	318.				ES		Y15203	13	10	89	PEACO	KM11.3	0	0	
01670	MW	340.				ES		Y15190	13	10	89	PEACO	KM11.3	0	0	
01661	MW	294.				ES			13	10	89	PEACO	KM11.3	0	0	
01694	MW	337.				ES		Y15211	13	10	89	PEACO	KM11.3	0	0	
01683	MW	364.				ES		Y15198	13	10	89	PEACO	KM11.3	0	0	
01658	MW	347.				ES			13	10	89	PEACO	KM11.3	0	0	
01679	MW	256.				ES		Y15197	13	10	89	PEACO	KM11.3	0	0	
01648	MW	257.				ES		Y15172	13	10	89	PEACO	KM11.3	0	0	
01654	MW	268.				ES		Y15177	13	10	89	PEACO	KM11.3	0	0	
01657	MW	291.				ES		Y15180	13	10	89	PEACO	KM11.3	0	0	
01650	MW	381.				ES		Y15173	13	10	89	PEACO	KM11.3	0	0	
01689	MW	290.				ES		Y15181	13	10	89	PEACO	KM11.3	0	0	
01651	MW	311.				ES		Y15174	13	10	89	PEACO	KM11.3	0	0	
01902	MW	306.	7			ES			16	10	89	PEACO	KM11.5	0	0	
01954	MW	297.				ES		Y15406	16	10	89	PEACO	KM11.5	0	0	
01918	MW	262.				ES			16	10	89	PEACO	KM11.5	0	0	
01909	MW	361.	8			ES		Y14248	16	10	89	PEACO	KM11.5	0	0	
01953	MW	298.	7			ES		Y15404	16	10	89	PEACO	KM11.5	0	0	
01913	MW	286.				ES		Y15376	16	10	89	PEACO	KM11.5	0	0	
01908	MW	318.	17			ES			16	10	89	PEACO	KM11.5	0	0	
01901	MW	248.				ES			16	10	89	PEACO	KM11.5	0	0	
01911	MW	284.				ES			16	10	89	PEACO	KM11.5	0	0	
01910	MW	327.	17			ES		Y14249	16	10	89	PEACO	KM11.5	0	0	
01919	MW	243.				ES			16	10	89	PEACO	KM11.5	0	0	
01952	MW	410.	17			ES			16	10	89	PEACO	KM11.5	1	0	STS (5 FISH)
01914	MW	241.				ES			16	10	89	PEACO	KM11.5	0	0	
01925	MW	311.	18			ES			16	10	89	PEACO	KM11.5	1	0	
01915	MW	268.	7			ES		Y15377	16	10	89	PEACO	KM11.5	0	0	
01904	MW	294.	18			ES		Y14244	18	10	89	PEACO	KM11.5	0	0	
01917	MW	334.				ES		Y15380	18	10	89	PEACO	KM11.5	0	0	
01920	MW	350.	7			ES		Y15381	18	10	89	PEACO	KM11.5	0	0	
01951	MW	417.	17			ES		Y15403	16	10	89	PEACO	KM11.5	0	0	
01950	MW	380.	17			ES		Y14241	16	10	89	PEACO	KM11.5	0	0	
01921	MW	236.				ES			16	10	89	PEACO	KM11.5	0	0	
01906	MW	254.				ES		Y14246	16	10	89	PEACO	KM11.5	0	0	
01924	MW	353.	17			ES			16	10	89	PEACO	KM11.5	1	0	
01912	MW	273.				ES		Y15399	16	10	89	PEACO	KM11.5	0	0	
01900	MW	311.				ES		Y14242	16	10	89	PEACO	KM11.5	0	0	
01903	MW	298.				ES		Y14243	16	10	89	PEACO	KM11.5	0	0	
01907	MW	408.	17			ES		Y14247	16	10	89	PEACO	KM11.5	0	0	
01955	MW	332.	17			ES		Y15406	16	10	89	PEACO	KM11.5	0	0	
01950	MW	321.				ES		Y15402	16	10	89	PEACO	KM11.5	0	0	
01905	MW	305.				ES		Y14245	16	10	89	PEACO	KM11.5	0	0	
01610	MW	319.				ES			13	10	89	PEACO	KM11.6	0	0	
01613	MW	321.				ES		Y15145	13	10	89	PEACO	KM11.6	0	0	
01616	MW	319.				ES		Y15148	13	10	89	PEACO	KM11.6	0	0	
01619	MW	342.				ES			13	10	89	PEACO	KM11.6	0	0	
01624	MW	284.				ES		Y15151	13	10	89	PEACO	KM11.6	0	0	
01646	MW	292.				ES		Y15170	13	10	89	PEACO	KM11.6	0	0	

01621	MW	310.				ES		Y15150	13	10	89	PEACO	KM11.6	0	0	
01632	MW	230.				ES			13	10	89	PEACO	KM11.6	0	0	
01606	MW	312.				ES			13	10	89	PEACO	KM11.6	0	0	
01642	MW	354.				ES		Y15167	13	10	89	PEACO	KM11.6	0	0	
01638	MW	303.				ES		Y15163	13	10	89	PEACO	KM11.6	0	0	
01636	MW	302.				ES		Y15161	13	10	89	PEACO	KM11.6	0	0	
01615	MW	318.				ES		Y15147	13	10	89	PEACO	KM11.6	0	0	
01609	MW	288.				ES		Y15142	13	10	89	PEACO	KM11.6	0	0	
01634	MW	282.				ES		Y15159	13	10	89	PEACO	KM11.6	0	0	
01614	MW	270.				ES		Y15146	13	10	89	PEACO	KM11.6	0	0	
01628	MW	279.				ES		Y15154	13	10	89	PEACO	KM11.6	0	0	
01631	MW	376.				ES		Y15157	13	10	89	PEACO	KM11.6	0	0	
01625	MW	283.				ES		Y15152	13	10	89	PEACO	KM11.6	0	0	
01611	MW	330.				ES		Y15143	13	10	89	PEACO	KM11.6	0	0	
01639	MW	337.				ES		Y15164	13	10	89	PEACO	KM11.6	0	0	
01612	MW	290.				ES		Y15144	13	10	89	PEACO	KM11.6	0	0	
01640	MW	352.				ES		Y15165	13	10	89	PEACO	KM11.6	0	0	
01641	MW	373.				ES		Y15166	13	10	89	PEACO	KM11.6	0	0	
01646	MW	390.	17			ES		Y15171	13	10	89	PEACO	KM11.6	0	0	
01608	MW	325.				ES		Y15141	13	10	89	PEACO	KM11.6	0	0	
01643	MW	380.				ES		Y15168	13	10	89	PEACO	KM11.6	0	0	
01607	MW	288.				ES			13	10	89	PEACO	KM11.6	0	0	
01626	MW	327.				ES		Y15153	13	10	89	PEACO	KM11.6	0	0	
01644	MW	332.				ES		Y15169	13	10	89	PEACO	KM11.6	0	0	
01629	MW	335.				ES		Y15155	13	10	89	PEACO	KM11.6	0	0	
01637	MW	309.				ES		Y15162	13	10	89	PEACO	KM11.6	0	0	
01635	MW	375.	17			ES		Y15160	13	10	89	PEACO	KM11.6	0	0	
01587	MW	312.				ES		Y15124	13	10	89	PEACO	KM11.7	0	0	
01588	MW	286.				ES		Y15136	13	10	89	PEACO	KM11.7	0	0	
01585	MW	281.				ES		Y15132	13	10	89	PEACO	KM11.7	0	0	
01587	MW	327.				ES		Y15134	13	10	89	PEACO	KM11.7	0	0	
01574	MW	306.				ES		Y15114	13	10	89	PEACO	KM11.7	0	0	
01578	MW	340.				ES		Y15118	13	10	89	PEACO	KM11.7	0	0	
01603	MW	320.				ES		Y15139	13	10	89	PEACO	KM11.7	0	0	
01583	MW	308.				ES		Y15121	13	10	89	PEACO	KM11.7	0	0	
01552	MW	300.				ES			13	10	89	PEACO	KM11.7	0	0	
01566	MW	321.				ES		Y15111	13	10	89	PEACO	KM11.7	0	0	
01581	MW	282.				ES			13	10	89	PEACO	KM11.7	0	0	
01573	MW	292.				ES			13	10	89	PEACO	KM11.7	0	0	
01563	MW	316.				ES		Y15108	13	10	89	PEACO	KM11.7	0	0	
01582	MW	337.				ES		Y15129	13	10	89	PEACO	KM11.7	0	0	
01580	MW	320.				ES		Y15105	13	10	89	PEACO	KM11.7	0	0	
01601	MW	337.				ES		Y15138	13	10	89	PEACO	KM11.7	0	0	
01565	MW	309.				ES		Y15102	13	10	89	PEACO	KM11.7	0	0	
01600	MW	344.				ES		Y15137	13	10	89	PEACO	KM11.7	0	0	
01564	MW	303.				ES		Y15101	13	10	89	PEACO	KM11.7	0	0	
01585	MW	296.				ES			13	10	89	PEACO	KM11.7	0	0	
01558	MW	261.				ES			13	10	89	PEACO	KM11.7	0	0	
01576	MW	325.				ES		Y15116	13	10	89	PEACO	KM11.7	0	0	
01556	MW	320.				ES		Y15103	13	10	89	PEACO	KM11.7	0	0	
01567	MW	138.				ES			13	10	89	PEACO	KM11.7	0	0	
01570	MW	314.				ES		Y15107	13	10	89	PEACO	KM11.7	0	0	
01562	MW	322.				ES			13	10	89	PEACO	KM11.7	0	0	
01605	MW	358.	17			ES			13	10	89	PEACO	KM11.7	1	0	ST 18(18 TRICH)
01564	MW	332.				ES		Y15108	13	10	89	PEACO	KM11.7	0	0	
01586	MW	353.				ES		Y15133	13	10	89	PEACO	KM11.7	0	0	
01588	MW	336.				ES		Y15123	13	10	89	PEACO	KM11.7	0	0	
01590	MW	304.				ES		Y15127	13	10	89	PEACO	KM11.7	0	0	
01565	MW	367.				ES		Y15109	13	10	89	PEACO	KM11.7	0	0	
01594	MW	304.				ES		Y15131	13	10	89	PEACO	KM11.7	0	0	

University of Alberta

01809	MW	285.				ES			14	10	89	PEACO	KM10.9	0	0
01771	MW	291.				ES			14	10	89	PEACO	KM10.9	0	0
01804	MW	271.				ES			14	10	89	PEACO	KM10.9	0	0
01833	MW	264.				ES		Y15313	14	10	89	PEACO	KM10.9	0	0
01823	MW	267.				ES		Y15304	14	10	89	PEACO	KM10.9	0	0
01786	MW	240.				ES			14	10	89	PEACO	KM10.9	0	0
02008	MW	295.		17		ES		Y15441	16	10	89	PEACO	KM11.2	0	0
02033	MW	229.				ES			16	10	89	PEACO	KM11.2	0	0
02039	MW	282.		7		ES		Y15464	16	10	89	PEACO	KM11.2	0	0
01959	MW	349.		17		ES		Y15408	16	10	89	PEACO	KM11.2	0	0
02010	MW	316.				ES			16	10	89	PEACO	KM11.2	0	0
01994	MW	355.		17		ES		Y15433	16	10	89	PEACO	KM11.2	0	0
01980	MW	282.				ES		Y15409	16	10	89	PEACO	KM11.2	0	0
02011	MW	291.				ES		Y15443	16	10	89	PEACO	KM11.2	0	0
02017	MW	286.				ES		Y15448	16	10	89	PEACO	KM11.2	0	0
01977	MW	234.				ES			16	10	89	PEACO	KM11.2	0	0
01981	MW	235.				ES			16	10	89	PEACO	KM11.2	0	0
01698	MW	288.				ES		Y15214	14	10	89	PEACO	KM11.2	0	0
01727	MW	284.				ES		Y15235	14	10	89	PEACO	KM11.2	0	0
02028	MW	305.		17		ES		Y15454	16	10	89	PEACO	KM11.2	0	0
02029	MW	282.				ES		Y15456	16	10	89	PEACO	KM11.2	0	0
01980	MW	274.				ES			16	10	89	PEACO	KM11.2	0	0
01719	MW	313.				ES		Y15230	14	10	89	PEACO	KM11.2	0	0
01724	MW	189.				ES			14	10	89	PEACO	KM11.2	0	0
02043	MW	320.				ES			16	10	89	PEACO	KM11.2	0	0
01988	MW	330.		17		ES		Y15428	16	10	89	PEACO	KM11.2	0	0
02022	MW	304.		17		ES			16	10	89	PEACO	KM11.2	0	0
02038	MW	347.				ES		Y15462	16	10	89	PEACO	KM11.2	0	0
01729	MW	320.				ES			14	10	89	PEACO	KM11.2	0	0
01993	MW	228.				ES			16	10	89	PEACO	KM11.2	0	0
01720	MW	302.				ES		Y15231	14	10	89	PEACO	KM11.2	0	0
02019	MW	286.		17		ES		Y15444	16	10	89	PEACO	KM11.2	0	0
01715	MW	298.				ES		Y15226	14	10	89	PEACO	KM11.2	0	0
01979	MW	402.		17		ES		Y15421	16	10	89	PEACO	KM11.2	0	0
01984	MW	317.				ES		Y15424	16	10	89	PEACO	KM11.2	0	0
01974	MW	350.		7		ES		Y15418	16	10	89	PEACO	KM11.2	0	0
01978	MW	242.				ES			16	10	89	PEACO	KM11.2	0	0
01704	MW	247.				ES			14	10	89	PEACO	KM11.2	0	0
01998	MW	303.		17		ES		Y15434	16	10	89	PEACO	KM11.2	0	0
02013	MW	329.		17		ES		Y15447	16	10	89	PEACO	KM11.2	0	0
02016	MW	241.				ES			16	10	89	PEACO	KM11.2	0	0
02002	MW	279.				ES		Y15437	16	10	89	PEACO	KM11.2	0	0
01730	MW	293.				ES		Y15237	14	10	89	PEACO	KM11.2	0	0
01989	MW	338.				ES		Y15429	16	10	89	PEACO	KM11.2	0	0
01707	MW	262.				ES		Y15220	14	10	89	PEACO	KM11.2	0	0
01972	MW	341.				ES		Y15417	16	10	89	PEACO	KM11.2	0	0
01962	MW	281.				ES		Y15411	16	10	89	PEACO	KM11.2	0	0
01956	MW	286.				ES			16	10	89	PEACO	KM11.2	0	0
02041	MW	282.				ES		Y15465	16	10	89	PEACO	KM11.2	0	0
02032	MW	332.				ES		Y15459	16	10	89	PEACO	KM11.2	0	0
02014	MW	302.				ES		Y15449	16	10	89	PEACO	KM11.2	0	0
02023	MW	266.				ES		Y15451	16	10	89	PEACO	KM11.2	0	0
01967	MW	257.				ES		Y15414	16	10	89	PEACO	KM11.2	0	0
02003	MW	287.		17		ES			16	10	89	PEACO	KM11.2	1	0
01728	MW	319.				ES		Y15236	14	10	89	PEACO	KM11.2	0	0
01725	MW	275.				ES			14	10	89	PEACO	KM11.2	0	0
02007	MW	285.				ES		Y15440	16	10	89	PEACO	KM11.2	0	0
01718	MW	310.				ES		Y15229	14	10	89	PEACO	KM11.2	0	0
01961	MW	275.				ES		Y15410	16	10	89	PEACO	KM11.2	0	0
01712	MW	290.				ES		Y15225	14	10	89	PEACO	KM11.2	0	0

01996	MW	320.		17		ES			14	10	89	PEACO	KM11.2	0	0
01985	MW	257.				ES		Y15425	16	10	89	PEACO	KM11.2	0	0
02006	MW	273.		7		ES		Y15439	16	10	89	PEACO	KM11.2	0	0
01958	MW	321.		17		ES			16	10	89	PEACO	KM11.2	0	0
01991	MW	320.				ES		Y15431	16	10	89	PEACO	KM11.2	0	0
02018	MW	335.				ES		Y15446	16	10	89	PEACO	KM11.2	0	0
02031	MW	288.				ES		Y15458	16	10	89	PEACO	KM11.2	0	0
02045	MW	301.				ES		Y15468	16	10	89	PEACO	KM11.2	0	0
02005	MW	318.				ES			16	10	89	PEACO	KM11.2	0	0
01965	MW	345.		17		ES			16	10	89	PEACO	KM11.2	0	0
01964	MW	275.				ES		Y15413	16	10	89	PEACO	KM11.2	0	0
02009	MW	306.		17		ES		Y15442	16	10	89	PEACO	KM11.2	0	0
01710	MW	268.				ES		Y15223	14	10	89	PEACO	KM11.2	0	0
01986	MW	392.				ES			16	10	89	PEACO	KM11.2	0	0
01714	MW	289.				ES			14	10	89	PEACO	KM11.2	0	0
01697	MW	373.				ES		Y15213	14	10	89	PEACO	KM11.2	0	0
01996	MW	298.				ES		Y15426	16	10	89	PEACO	KM11.2	0	0
01999	MW	285.				ES			16	10	89	PEACO	KM11.2	0	0
02030	MW	319.				ES		Y15457	16	10	89	PEACO	KM11.2	0	0
02035	MW	344.				ES		Y15461	16	10	89	PEACO	KM11.2	0	0
02048	MW	312.				ES		Y15471	16	10	89	PEACO	KM11.2	0	0
01988	MW	239.				ES			16	10	89	PEACO	KM11.2	0	0
02000	MW	263.				ES			16	10	89	PEACO	KM11.2	0	0
02004	MW	402.		17		ES		Y15438	16	10	89	PEACO	KM11.2	0	0
01990	MW	282.				ES		Y15430	16	10	89	PEACO	KM11.2	0	0
02046	MW	352.				ES		Y15469	16	10	89	PEACO	KM11.2	0	0
02034	MW	319.				ES		Y15460	16	10	89	PEACO	KM11.2	0	0
01971	MW	240.				ES			16	10	89	PEACO	KM11.2	0	0
01708	MW	311.				ES		Y15221	14	10	89	PEACO	KM11.2	0	0
01995	MW	340.				ES			16	10	89	PEACO	KM11.2	0	0
01963	MW	288.				ES		Y15412	16	10	89	PEACO	KM11.2	0	0
02012	MW	348.				ES		Y15445	16	10	89	PEACO	KM11.2	0	0
01986	MW	305.				ES			16	10	89	PEACO	KM11.2	0	0
01992	MW	259.				ES		Y15432	16	10	89	PEACO	KM11.2	0	0
01982	MW	254.				ES		Y15422	16	10	89	PEACO	KM11.2	0	0
02047	MW	386.		17		ES		Y15470	16	10	89	PEACO	KM11.2	0	0
02042	MW	371.				ES		Y15466	16	10	89	PEACO	KM11.2	0	0
02021	MW	322.				ES			16	10	89	PEACO	KM11.2	0	0
02038	MW	386.		17		ES		Y15463	16	10	89	PEACO	KM11.2	0	0
01976	MW	358.		17		ES		Y15420	16	10	89	PEACO	KM11.2	0	0
02025	MW	337.				ES		Y15452	16	10	89	PEACO	KM11.2	0	0
02040	MW	246.				ES			16	10	89	PEACO	KM11.2	0	0
02001	MW	292.		17		ES		Y15436	16	10	89	PEACO	KM11.2	0	0
02024	MW	306.		17		ES			16	10	89	PEACO	KM11.2	0	0
02044	MW	271.		17		ES		Y15467	16	10	89	PEACO	KM11.2	0	0
01987	MW	295.				ES		Y15427	16	10	89	PEACO	KM11.2	0	0
01723	MW	300.				ES			14	10	89	PEACO	KM11.2	0	0
01983	MW	304.				ES		Y15423	16	10	89	PEACO	KM11.2	0	0
01957	MW	325.		17		ES		Y15407	16	10	89	PEACO	KM11.2	0	0
01701	MW	262.				ES		Y15216	14	10	89	PEACO	KM11.2	0	0
02015	MW	336.		8		ES			16	10	89	PEACO	KM11.2	0	0
01969	MW	355.				ES		Y15415	16	10	89	PEACO	KM11.2	0	0
02027	MW	400.		17		ES		Y15453	16	10	89	PEACO	KM11.2	0	0
01662	MW	297.				ES		Y15182	13	10	89	PEACO	KM11.3	0	0
01660	MW	362.				ES			13	10	89	PEACO	KM11.3	0	0
01653	MW	314.				ES		Y15176	13	10	89	PEACO	KM11.3	0	0
01684	MW	306.				ES		Y15200	13	10	89	PEACO	KM11.3	0	0
01655	MW	315.				ES		Y15178	13	10	89	PEACO	KM11.3	0	0
01668	MW	267.				ES		Y15187	13	10	89	PEACO	KM11.3	0	0
01672	MW	302.				ES		Y15192	13	10	89	PEACO	KM11.3	0	0

University of Alberta

03105	MW	356.			ES			19	10	89	PEACO	KM09.9	0	0	
02297	MW	328.		8	ES			19	10	89	PEACO	KM09.9	0	0	
03095	MW	356.		8	ES			19	10	89	PEACO	KM09.9	0	0	
03111	MW	286.			ES			19	10	89	PEACO	KM09.9	0	0	
03103	MW	404.		8	ES			19	10	89	PEACO	KM09.9	0	0	
02298	MW	491.			ES		Y15572	19	10	89	PEACO	KM09.9	0	0	
03122	MW	337.			ES			19	10	89	PEACO	KM09.9	0	0	
03119	MW	306.			ES			19	10	89	PEACO	KM09.9	0	0	
02296	MW	413.		8	ES		Y15589	19	10	89	PEACO	KM09.9	0	0	
03107	MW	367.			ES			19	10	89	PEACO	KM09.9	0	0	
03088	MW	402.		7	ES			19	10	89	PEACO	KM09.9	0	0	
02278	MW	311.			ES			19	10	89	PEACO	KM10.2	0	0	
02282	MW	358.			ES			19	10	89	PEACO	KM10.2	0	0	
02271	MW	396.			ES			19	10	89	PEACO	KM10.2	0	0	
02289	MW	412.			ES			19	10	89	PEACO	KM10.2	1	0	
02286	MW	352.			ES			19	10	89	PEACO	KM10.2	0	0	
02285	MW	242.			ES			19	10	89	PEACO	KM10.2	0	0	
02272	MW	288.			ES			19	10	89	PEACO	KM10.2	0	0	
02288	MW	420.			ES			19	10	89	PEACO	KM10.2	1	0	
02287	MW	324.			ES			19	10	89	PEACO	KM10.2	0	0	
02230	MW	319.			ES			19	10	89	PEACO	KM10.5	0	0	
02238	MW	335.			ES			19	10	89	PEACO	KM10.5	1	0	
01933	MW	262.			ES		Y15389	16	10	89	PEACO	KM10.5	0	0	
02247	MW	286.			ES			19	10	89	PEACO	KM10.5	0	0	
02225	MW	231.			ES			19	10	89	PEACO	KM10.5	0	0	
01928	MW	342.			ES			16	10	89	PEACO	KM10.5	0	0	
02222	MW	276.			ES			19	10	89	PEACO	KM10.5	0	0	
02240	MW	306.			ES			19	10	89	PEACO	KM10.5	0	0	
02245	MW	308.			ES			19	10	89	PEACO	KM10.5	1	0	
01944	MW	309.		17	ES		Y15398	16	10	89	PEACO	KM10.5	0	0	
02229	MW	315.			ES			19	10	89	PEACO	KM10.5	0	0	
01947	MW	329.		17	ES			16	10	89	PEACO	KM10.5	1	0	
01943	MW	305.		7	ES		Y15397	16	10	89	PEACO	KM10.5	0	0	
01929	MW	333.			ES		Y15385	16	10	89	PEACO	KM10.5	0	0	
02217	MW	269.			ES			19	10	89	PEACO	KM10.5	0	0	
02252	MW	245.			ES			19	10	89	PEACO	KM10.5	0	0	
01927	MW	298.		7	ES		Y15384	16	10	89	PEACO	KM10.5	0	0	
02232	MW	286.			ES			19	10	89	PEACO	KM10.5	0	0	
02242	MW	274.			ES			19	10	89	PEACO	KM10.5	0	0	
02223	MW	376.			ES			19	10	89	PEACO	KM10.5	1	0	
02235	MW	246.			ES			19	10	89	PEACO	KM10.5	0	0	
02216	MW	264.			ES			19	10	89	PEACO	KM10.5	0	0	
02221	MW	320.			ES			19	10	89	PEACO	KM10.5	0	0	
02263	MW	294.			ES			19	10	89	PEACO	KM10.5	0	0	
02249	MW	308.			ES			19	10	89	PEACO	KM10.5	0	0	
02231	MW	301.			ES			19	10	89	PEACO	KM10.5	0	0	
02218	MW	243.			ES			19	10	89	PEACO	KM10.5	0	0	
02248	MW	352.			ES			19	10	89	PEACO	KM10.5	1	0	
01930	MW	288.			ES		Y15386	16	10	89	PEACO	KM10.5	0	0	
02262	MW	321.			ES			19	10	89	PEACO	KM10.5	0	0	
01938	MW	279.		8	ES		Y15394	16	10	89	PEACO	KM10.5	0	0	
02261	MW	358.			ES			19	10	89	PEACO	KM10.5	1	0	
02236	MW	284.			ES			19	10	89	PEACO	KM10.5	0	0	
01899	MW	401.			ES			15	10	89	PEACO	KM10.5	1	0	STO
02259	MW	286.			ES			19	10	89	PEACO	KM10.5	0	0	
01939	MW	230.			ES			16	10	89	PEACO	KM10.5	0	0	
02264	MW	248.			ES			19	10	89	PEACO	KM10.5	0	0	
02246	MW	328.			ES			19	10	89	PEACO	KM10.5	0	0	
01942	MW	270.		7	ES			16	10	89	PEACO	KM10.5	0	0	
02226	MW	442.			ES			19	10	89	PEACO	KM10.5	1	0	

02239	MW	313.			ES			19	10	89	PEACO	KM10.5	0	0	
01945	MW	283.			ES			16	10	89	PEACO	KM10.5	0	0	
02265	MW	293.			ES			19	10	89	PEACO	KM10.5	0	0	
01941	MW	294.			ES		Y15396	16	10	89	PEACO	KM10.5	0	0	
02244	MW	278.			ES			19	10	89	PEACO	KM10.5	0	0	
02233	MW	256.			ES			19	10	89	PEACO	KM10.5	0	0	
01931	MW	315.			ES		Y15387	16	10	89	PEACO	KM10.5	0	0	
02219	MW	266.			ES			19	10	89	PEACO	KM10.5	0	0	
01935	MW	308.			ES		Y15391	16	10	89	PEACO	KM10.5	0	0	
02237	MW	252.			ES			19	10	89	PEACO	KM10.5	0	0	
02241	MW	313.			ES			19	10	89	PEACO	KM10.5	0	0	
01940	MW	261.			ES		Y15395	16	10	89	PEACO	KM10.5	0	0	
02212	MW	387.			ES			19	10	89	PEACO	KM10.5	0	0	
01949	MW	350.			ES		Y15401	16	10	89	PEACO	KM10.5	0	0	
01948	MW	323.			ES		Y15400	16	10	89	PEACO	KM10.5	0	0	
02220	MW	295.			ES			19	10	89	PEACO	KM10.5	0	0	
01851	MW	305.			ES		Y13860	15	10	89	PEACO	KM10.7	0	0	
01885	MW	403.			ES			15	10	89	PEACO	KM10.7	1	0	
01880	MW	275.		17	ES		Y15345	15	10	89	PEACO	KM10.7	0	0	
01886	MW	420.			ES			16	10	89	PEACO	KM10.7	1	0	
01894	MW	295.			ES			15	10	89	PEACO	KM10.7	0	0	
01897	MW	346.			ES		Y15356	15	10	89	PEACO	KM10.7	0	0	
01893	MW	280.			ES		Y15354	15	10	89	PEACO	KM10.7	0	0	
01863	MW	321.		7	ES		Y15330	15	10	89	PEACO	KM10.7	0	0	
01872	MW	274.			ES		Y15338	15	10	89	PEACO	KM10.7	0	0	
01866	MW	260.			ES		Y15333	15	10	89	PEACO	KM10.7	0	0	
01873	MW	318.		17	ES		Y15339	15	10	89	PEACO	KM10.7	0	0	
01895	MW	342.			ES		Y15355	15	10	89	PEACO	KM10.7	0	0	
01870	MW	279.			ES		Y15336	15	10	89	PEACO	KM10.7	0	0	
01868	MW	254.			ES		Y15335	15	10	89	PEACO	KM10.7	0	0	
01865	MW	280.			ES		Y15332	15	10	89	PEACO	KM10.7	0	0	
01852	MW	290.			ES			15	10	89	PEACO	KM10.7	0	0	
01862	MW	314.			ES		Y15329	15	10	89	PEACO	KM10.7	0	0	
01898	MW	358.			ES		Y15357	15	10	89	PEACO	KM10.7	0	0	
01853	MW	250.			ES			15	10	89	PEACO	KM10.7	0	0	
01888	MW	350.			ES		Y15349	15	10	89	PEACO	KM10.7	0	0	
01889	MW	318.			ES		Y15350	15	10	89	PEACO	KM10.7	0	0	
01879	MW	236.			ES			15	10	89	PEACO	KM10.7	0	0	
01896	MW	238.			ES			15	10	89	PEACO	KM10.7	0	0	
01860	MW	325.			ES		Y15328	15	10	89	PEACO	KM10.7	0	0	
01884	MW	273.		7	ES		Y15331	15	10	89	PEACO	KM10.7	0	0	
01876	MW	262.			ES		Y15342	15	10	89	PEACO	KM10.7	0	0	
01890	MW	292.			ES		Y15351	15	10	89	PEACO	KM10.7	0	0	
01881	MW	252.			ES		Y15346	15	10	89	PEACO	KM10.7	0	0	
01871	MW	265.			ES		Y15337	15	10	89	PEACO	KM10.7	0	0	
01867	MW	324.		8	ES		Y15334	15	10	89	PEACO	KM10.7	0	0	
01887	MW	367.			ES		Y15348	15	10	89	PEACO	KM10.7	0	0	
01875	MW	327.			ES		Y15341	15	10	89	PEACO	KM10.7	0	0	
01878	MW	335.			ES		Y15344	15	10	89	PEACO	KM10.7	0	0	
01859	MW	356.			ES		Y15327	15	10	89	PEACO	KM10.7	0	0	
01855	MW	266.			ES		Y15244	15	10	89	PEACO	KM10.7	0	0	
02079	MW	283.			ES		Y15489	16	10	89	PEACO	KM10.8	0	0	
02081	MW	374.			ES		Y15482	16	10	89	PEACO	KM10.8	0	0	
02056	MW	292.			ES		Y15478	16	10	89	PEACO	KM10.8	0	0	
02070	MW	304.			ES		Y15491	16	10	89	PEACO	KM10.8	0	0	
02075	MW	289.			ES		Y15496	16	10	89	PEACO	KM10.8	0	0	
02074	MW	306.			ES		Y15485	16	10	89	PEACO	KM10.8	0	0	
02067	MW	274.			ES		Y15486	16	10	89	PEACO	KM10.8	0	0	
02058	MW	288.			ES		Y15480	16	10	89	PEACO	KM10.8	0	0	
02055	MW	313.			ES		Y15477	16	10	89	PEACO	KM10.8	0	0	

02044	MW	338.			ES	Y15501	16	10	89	PEACO	KM10.8	0	0
02085	MW	281.			ES	Y15502	16	10	89	PEACO	KM10.8	0	0
02094	MW	246.			ES		16	10	89	PEACO	KM10.8	0	0
02064	MW	258.			ES	Y15485	16	10	89	PEACO	KM10.8	0	0
02062	MW	267.			ES	Y15483	16	10	89	PEACO	KM10.8	0	0
02047	MW	270.			ES	Y15504	16	10	89	PEACO	KM10.8	0	0
02081	MW	243.			ES		16	10	89	PEACO	KM10.8	0	0
02086	MW	280.			ES	Y15503	16	10	89	PEACO	KM10.8	0	0
02100	MW	326.			ES	Y15513	16	10	89	PEACO	KM10.8	0	0
02066	MW	278.			ES	Y15467	16	10	89	PEACO	KM10.8	0	0
02051	MW	370.			ES	Y15473	16	10	89	PEACO	KM10.8	0	0
02089	MW	318.			ES	Y15506	16	10	89	PEACO	KM10.8	0	0
02102	MW	247.			ES		16	10	89	PEACO	KM10.8	0	0
02065	MW	281.			ES	Y15486	16	10	89	PEACO	KM10.8	0	0
02069	MW	337.			ES	Y15480	16	10	89	PEACO	KM10.8	0	0
02071	MW	283.			ES	Y15492	16	10	89	PEACO	KM10.8	0	0
02063	MW	280.			ES	Y15484	16	10	89	PEACO	KM10.8	0	0
02049	MW	318.			ES		16	10	89	PEACO	KM10.8	0	0
02073	MW	325.	8		ES	Y15494	16	10	89	PEACO	KM10.8	0	0
02058	MW	290.			ES	Y15481	16	10	89	PEACO	KM10.8	0	0
02104	MW	282.			ES		16	10	89	PEACO	KM10.8	0	0
02053	MW	319.			ES	Y15475	16	10	89	PEACO	KM10.8	0	0
02078	MW	353.			ES	Y15498	16	10	89	PEACO	KM10.8	0	0
02098	MW	311.			ES	Y15511	16	10	89	PEACO	KM10.8	0	0
02088	MW	268.			ES	Y15505	16	10	89	PEACO	KM10.8	0	0
02057	MW	289.			ES	Y15479	16	10	89	PEACO	KM10.8	0	0
02096	MW	265.			ES		16	10	89	PEACO	KM10.8	0	0
02080	MW	316.	17		ES		16	10	89	PEACO	KM10.8	0	0
02101	MW	241.			ES		16	10	89	PEACO	KM10.8	0	0
02093	MW	311.			ES	Y15508	16	10	89	PEACO	KM10.8	0	0
02091	MW	351.			ES	Y15507	16	10	89	PEACO	KM10.8	0	0
02054	MW	303.			ES	Y15476	16	10	89	PEACO	KM10.8	0	0
02072	MW	306.			ES	Y15493	16	10	89	PEACO	KM10.8	0	0
02050	MW	386.			ES	Y15465	16	10	89	PEACO	KM10.8	0	0
02068	MW	406.	17		ES	Y15488	16	10	89	PEACO	KM10.8	0	0
02060	MW	278.			ES		16	10	89	PEACO	KM10.8	0	0
02103	MW	246.			ES		16	10	89	PEACO	KM10.8	0	0
02052	MW	355.			ES	Y15474	16	10	89	PEACO	KM10.8	0	0
02075	MW	231.			ES		16	10	89	PEACO	KM10.8	0	0
01802	MW	320.			ES	Y15293	14	10	89	PEACO	KM10.9	0	0
01792	MW	384.			ES	Y15288	14	10	89	PEACO	KM10.9	0	0
01777	MW	284.			ES	Y15277	14	10	89	PEACO	KM10.9	0	0
01781	MW	287.			ES		14	10	89	PEACO	KM10.9	0	0
01788	MW	274.			ES	Y15282	14	10	89	PEACO	KM10.9	0	0
01844	MW	379.			ES	Y15323	14	10	89	PEACO	KM10.9	0	0
01821	MW	278.			ES	Y15302	14	10	89	PEACO	KM10.9	0	0
01797	MW	293.			ES	Y15289	14	10	89	PEACO	KM10.9	0	0
01830	MW	282.			ES	Y15309	14	10	89	PEACO	KM10.9	0	0
01824	MW	343.			ES	Y15306	14	10	89	PEACO	KM10.9	0	0
01759	MW	270.			ES	Y15263	14	10	89	PEACO	KM10.9	0	0
01793	MW	343.			ES		14	10	89	PEACO	KM10.9	0	0
01832	MW	282.			ES	Y15312	14	10	89	PEACO	KM10.9	0	0
01835	MW	289.			ES	Y15315	14	10	89	PEACO	KM10.9	0	0
01766	MW	308.			ES	Y15289	14	10	89	PEACO	KM10.9	0	0
01743	MW	270.			ES	Y15255	14	10	89	PEACO	KM10.9	0	0
01772	MW	280.			ES	Y15273	14	10	89	PEACO	KM10.9	0	0
01807	MW	283.			ES		14	10	89	PEACO	KM10.9	0	0
01788	MW	316.			ES	Y15287	14	10	89	PEACO	KM10.9	0	0
01834	MW	221.			ES	Y15314	14	10	89	PEACO	KM10.9	0	0
01845	MW	273.			ES	Y15324	14	10	89	PEACO	KM10.9	0	0

01788	MW	287.			ES	Y15291	14	10	89	PEACO	KM10.9	0	0
01812	MW	288.			ES	Y15298	14	10	89	PEACO	KM10.9	0	0
01831	MW	301.			ES	Y15311	14	10	89	PEACO	KM10.9	0	0
01822	MW	283.			ES	Y15303	14	10	89	PEACO	KM10.9	0	0
01768	MW	387.	17		ES	Y15271	14	10	89	PEACO	KM10.9	0	0
01794	MW	311.			ES		14	10	89	PEACO	KM10.9	0	0
01837	MW	274.			ES	Y15317	14	10	89	PEACO	KM10.9	0	0
01741	MW	305.			ES	Y15248	14	10	89	PEACO	KM10.9	0	0
01752	MW	330.			ES	Y15258	14	10	89	PEACO	KM10.9	0	0
01782	MW	277.			ES	Y15265	14	10	89	PEACO	KM10.9	0	0
01760	MW	343.			ES		14	10	89	PEACO	KM10.9	0	0
01739	MW	258.			ES	Y15246	14	10	89	PEACO	KM10.9	0	0
01779	MW	343.			ES		14	10	89	PEACO	KM10.9	0	0
01750	MW	306.			ES	Y15256	14	10	89	PEACO	KM10.9	0	0
01800	MW	321.			ES	Y15292	14	10	89	PEACO	KM10.9	0	0
01751	MW	265.			ES	Y15257	14	10	89	PEACO	KM10.9	0	0
01754	MW	258.			ES		14	10	89	PEACO	KM10.9	0	0
01783	MW	280.			ES	Y15286	14	10	89	PEACO	KM10.9	0	0
01787	MW	197.			ES		14	10	89	PEACO	KM10.9	0	0
01747	MW	305.			ES	Y15253	14	10	89	PEACO	KM10.9	0	0
01801	MW	402.			ES	Y15283	14	10	89	PEACO	KM10.9	0	0
01785	MW	304.			ES	Y15281	14	10	89	PEACO	KM10.9	0	0
01791	MW	292.			ES	Y15284	14	10	89	PEACO	KM10.9	0	0
01814	MW	271.			ES	Y15297	14	10	89	PEACO	KM10.9	0	0
01836	MW	282.			ES	Y15316	14	10	89	PEACO	KM10.9	0	0
01757	MW	289.			ES	Y15261	14	10	89	PEACO	KM10.9	0	0
01761	MW	295.			ES	Y15264	14	10	89	PEACO	KM10.9	0	0
01764	MW	300.			ES	Y15267	14	10	89	PEACO	KM10.9	0	0
01770	MW	347.			ES	Y15272	14	10	89	PEACO	KM10.9	0	0
01737	MW	374.			ES	Y15245	14	10	89	PEACO	KM10.9	0	0
01758	MW	325.			ES	Y15262	14	10	89	PEACO	KM10.9	0	0
01827	MW	424.			ES		14	10	89	PEACO	KM10.9	0	0
01839	MW	286.			ES	Y15318	14	10	89	PEACO	KM10.9	0	0
01783	MW	366.			ES	Y15278	14	10	89	PEACO	KM10.9	0	0
01803	MW	294.			ES		14	10	89	PEACO	KM10.9	0	0
01746	MW	292.			ES	Y15254	14	10	89	PEACO	KM10.9	0	0
01753	MW	321.			ES	Y15259	14	10	89	PEACO	KM10.9	0	0
01806	MW	330.			ES		14	10	89	PEACO	KM10.9	0	0
01817	MW	413.			ES	Y15296	14	10	89	PEACO	KM10.9	0	0
01776	MW	355.	17		ES		14	10	89	PEACO	KM10.9	0	0
01776	MW	278.			ES	Y15276	14	10	89	PEACO	KM10.9	0	0
01774	MW	290.			ES	Y15275	14	10	89	PEACO	KM10.9	0	0
01773	MW	365.			ES	Y15274	14	10	89	PEACO	KM10.9	0	0
01745	MW	325.			ES		14	10	89	PEACO	KM10.9	0	0
01740	MW	302.			ES	Y15247	14	10	89	PEACO	KM10.9	0	0
01744	MW	305.			ES	Y15251	14	10	89	PEACO	KM10.9	0	0
01789	MW	326.			ES	Y15270	14	10	89	PEACO	KM10.9	0	0
01738	MW	349.			ES		14	10	89	PEACO	KM10.9	0	0
01829	MW	282.			ES	Y15310	14	10	89	PEACO	KM10.9	0	0
01798	MW	264.			ES	Y15288	14	10	89	PEACO	KM10.9	0	0
01755	MW	287.			ES	Y15280	14	10	89	PEACO	KM10.9	0	0
01808	MW	303.			ES		14	10	89	PEACO	KM10.9	0	0
01746	MW	352.			ES	Y15252	14	10	89	PEACO	KM10.9	0	0
01765	MW	427.			ES	Y15268	14	10	89	PEACO	KM10.9	0	0
01743	MW	287.			ES	Y15250	14	10	89	PEACO	KM10.9	0	0
01819	MW	288.			ES	Y15300	14	10	89	PEACO	KM10.9	0	0
01806	MW	325.			ES		14	10	89	PEACO	KM10.9	0	0
01742	MW	297.			ES	Y15249	14	10	89	PEACO	KM10.9	0	0
01784	MW	300.			ES	Y15280	14	10	89	PEACO	KM10.9	0	0
01825	MW	322.			ES	Y15305	14	10	89	PEACO	KM10.9	0	0

02518	MW	344.				ES			22	10	89	PEACO	KMO6.5	0	0
02550	MW	351.				ES			22	10	89	PEACO	KMO6.5	0	0
02540	MW	286.				ES			22	10	89	PEACO	KMO6.5	0	0
02507	MW	354.		8		ES			22	10	89	PEACO	KMO6.5	0	0
02450	MW	275.				ES			21	10	89	PEACO	KMO6.6	0	0
02429	MW	383.				ES			21	10	89	PEACO	KMO6.6	1	0
02451	MW	279.				ES			21	10	89	PEACO	KMO6.5	1	0
02443	MW	357.				ES			21	10	89	PEACO	KMO6.6	0	0
02436	MW	311.				ES			21	10	89	PEACO	KMO6.6	0	0
02439	MW	387.				ES			21	10	89	PEACO	KMO6.6	0	0
02457	MW	290.				ES			21	10	89	PEACO	KMO6.6	0	0
02453	MW	340.				ES			21	10	89	PEACO	KMO6.6	0	0
02433	MW	290.				ES			21	10	89	PEACO	KMO6.6	0	0
02442	MW	327.				ES			21	10	89	PEACO	KMO6.6	0	0
02454	MW	272.				ES			21	10	89	PEACO	KMO6.6	0	0
02432	MW	299.				ES			21	10	89	PEACO	KMO6.6	0	0
02499	MW	314.				ES		Y15704	21	10	89	PEACO	KMO6.6	0	0
02494	MW	337.		16		ES		Y15700	21	10	89	PEACO	KMO6.6	0	0
02435	MW	312.				ES			21	10	89	PEACO	KMO6.6	0	0
02427	MW	342.				ES			21	10	89	PEACO	KMO6.6	0	0
02428	MW	436.		16		ES			21	10	89	PEACO	KMO6.6	1	0
02426	MW	284.				ES			21	10	89	PEACO	KMO6.6	0	0
02424	MW	328.				ES			21	10	89	PEACO	KMO6.6	1	0
02840	MW	306.				ES			25	10	89	PEACO	KMO6.7	0	0
02849	MW	335.				ES		Y15777	25	10	89	PEACO	KMO6.7	0	0
02483	MW	311.				ES			21	10	89	PEACO	KMO6.7	0	0
02830	MW	398.				ES			25	10	89	PEACO	KMO6.7	0	0
02848	MW	367.				ES		Y15776	25	10	89	PEACO	KMO6.7	0	0
02834	MW	445.		19		ES		Y15745	25	10	89	PEACO	KMO6.7	0	0
02841	MW	369.				ES			25	10	89	PEACO	KMO6.7	0	0
02853	MW	355.				ES		Y15780	25	10	89	PEACO	KMO6.7	0	0
02480	MW	354.				ES			21	10	89	PEACO	KMO6.7	0	0
02846	MW	482.		19		ES		Y15742	25	10	89	PEACO	KMO6.7	0	0
02489	MW	314.				ES			21	10	89	PEACO	KMO6.7	0	0
02476	MW	242.				ES			21	10	89	PEACO	KMO6.7	0	0
02487	MW	301.				ES			21	10	89	PEACO	KMO6.7	0	0
02475	MW	321.				ES			21	10	89	PEACO	KMO6.7	0	0
02850	MW	255.				ES			25	10	89	PEACO	KMO6.7	0	0
02845	MW	349.				ES			25	10	89	PEACO	KMO6.7	0	0
02838	MW	340.				ES		Y15744	25	10	89	PEACO	KMO6.7	0	0
02468	MW	272.				ES			21	10	89	PEACO	KMO6.7	0	0
02485	MW	297.				ES			21	10	89	PEACO	KMO6.7	0	0
02471	MW	392.				ES			21	10	89	PEACO	KMO6.7	0	0
02460	MW	314.				ES			21	10	89	PEACO	KMO6.7	0	0
02474	MW	423.				ES			21	10	89	PEACO	KMO6.7	0	0
02467	MW	309.				ES			21	10	89	PEACO	KMO6.7	0	0
02837	MW	355.				ES		Y15747	25	10	89	PEACO	KMO6.7	0	0
02847	MW	322.				ES			25	10	89	PEACO	KMO6.7	0	0
02836	MW	381.				ES		Y15746	25	10	89	PEACO	KMO6.7	0	0
02844	MW	231.				ES			25	10	89	PEACO	KMO6.7	0	0
02831	MW	372.				ES		Y15743	25	10	89	PEACO	KMO6.7	0	0
02470	MW	333.				ES			21	10	89	PEACO	KMO6.7	0	0
02843	MW	465.		19		ES		Y15741	25	10	89	PEACO	KMO6.7	0	0
02466	MW	351.				ES			21	10	89	PEACO	KMO6.7	0	0
02851	MW	439.		18		ES		Y15778	25	10	89	PEACO	KMO6.7	0	0
02491	MW	235.				ES			21	10	89	PEACO	KMO6.7	0	0
02472	MW	327.				ES			21	10	89	PEACO	KMO6.7	0	0
02842	MW	354.				ES			25	10	89	PEACO	KMO6.7	0	0
02835	MW	284.				ES			25	10	89	PEACO	KMO6.7	0	0
02464	MW	322.				ES			21	10	89	PEACO	KMO6.7	0	0

02852	MW	302.				ES		Y15779	25	10	89	PEACO	KMO6.7	0	0
02465	MW	384.				ES			21	10	89	PEACO	KMO6.7	0	0
02482	MW	354.				ES			21	10	89	PEACO	KMO6.7	0	0
02463	MW	454.				ES			21	10	89	PEACO	KMO6.7	0	0
02462	MW	400.				ES			21	10	89	PEACO	KMO6.7	0	0
02490	MW	327.				ES			21	10	89	PEACO	KMO6.7	0	0
02839	MW	334.		19		ES		Y15749	25	10	89	PEACO	KMO6.7	0	0
02832	MW	345.		8		ES			25	10	89	PEACO	KMO6.7	0	0
02461	MW	332.				ES			21	10	89	PEACO	KMO6.7	0	0
02829	MW	406.				ES		Y15740	25	10	89	PEACO	KMO6.7	0	0
02381	MW	286.				ES			21	10	89	PEACO	KMO7.1	0	0
02376	MW	337.				ES			21	10	89	PEACO	KMO7.1	0	0
02406	MW	287.				ES			21	10	89	PEACO	KMO7.1	0	0
02389	MW	410.				ES			21	10	89	PEACO	KMO7.1	0	0
02416	MW	278.				ES			21	10	89	PEACO	KMO7.1	0	0
02402	MW	328.				ES			21	10	89	PEACO	KMO7.1	0	0
02387	MW	373.				ES			21	10	89	PEACO	KMO7.1	0	0
02375	MW	268.				ES			21	10	89	PEACO	KMO7.1	0	0
02385	MW	282.				ES			21	10	89	PEACO	KMO7.1	0	0
02404	MW	340.				ES			21	10	89	PEACO	KMO7.1	0	0
02385	MW	314.				ES			21	10	89	PEACO	KMO7.1	0	0
02373	MW	294.				ES			21	10	89	PEACO	KMO7.1	0	0
02389	MW	320.				ES			21	10	89	PEACO	KMO7.1	0	0
02383	MW	354.				ES			21	10	89	PEACO	KMO7.1	0	0
02386	MW	290.				ES			21	10	89	PEACO	KMO7.1	1	0
02388	MW	244.				ES			21	10	89	PEACO	KMO7.1	0	0
02417	MW	274.				ES			21	10	89	PEACO	KMO7.1	0	0
02393	MW	246.				ES			21	10	89	PEACO	KMO7.1	0	0
02409	MW	310.				ES			21	10	89	PEACO	KMO7.1	0	0
02410	MW	213.				ES			21	10	89	PEACO	KMO7.1	0	0
02378	MW	272.				ES			21	10	89	PEACO	KMO7.1	0	0
02400	MW	322.				ES			21	10	89	PEACO	KMO7.1	0	0
02412	MW	306.				ES			21	10	89	PEACO	KMO7.1	0	0
02392	MW	409.				ES			21	10	89	PEACO	KMO7.1	0	0
02384	MW	367.				ES			21	10	89	PEACO	KMO7.1	0	0
02408	MW	322.				ES			21	10	89	PEACO	KMO7.1	0	0
02380	MW	306.				ES			21	10	89	PEACO	KMO7.1	0	0
02384	MW	321.				ES			21	10	89	PEACO	KMO7.1	0	0
02415	MW	261.				ES			21	10	89	PEACO	KMO7.1	0	0
02387	MW	295.				ES			21	10	89	PEACO	KMO7.1	0	0
02398	MW	284.				ES			21	10	89	PEACO	KMO7.1	0	0
02368	MW	494.		19		ES			21	10	89	PEACO	KMO7.1	1	0
02401	MW	292.				ES			21	10	89	PEACO	KMO7.1	1	0
02407	MW	292.				ES			21	10	89	PEACO	KMO7.1	0	0
02411	MW	426.				ES			21	10	89	PEACO	KMO7.1	1	0
02382	MW	382.				ES			21	10	89	PEACO	KMO7.1	1	0
02394	MW	346.				ES			21	10	89	PEACO	KMO7.1	0	0
02379	MW	325.				ES			21	10	89	PEACO	KMO7.1	0	0
02374	MW	237.				ES			21	10	89	PEACO	KMO7.1	0	0
02391	MW	295.				ES			21	10	89	PEACO	KMO7.1	0	0
02377	MW	395.		9		ES			21	10	89	PEACO	KMO7.1	0	0
02370	MW	322.				ES			21	10	89	PEACO	KMO7.1	0	0
02396	MW	236.				ES			21	10	89	PEACO	KMO7.1	0	0
02397	MW	383.				ES			21	10	89	PEACO	KMO7.1	0	0
02403	MW	337.				ES			21	10	89	PEACO	KMO7.1	0	0
02413	MW	327.				ES			21	10	89	PEACO	KMO7.1	0	0
02414	MW	246.				ES			21	10	89	PEACO	KMO7.1	0	0
02351	MW	311.				ES			21	10	89	PEACO	KMO7.8	0	0
02352	MW	291.		8		ES			21	10	89	PEACO	KMO7.8	0	0
02349	MW	308.				ES			21	10	89	PEACO	KMO7.8	0	0

02381	MW	347.		18		ES		21	10	89	PEACO	KMO7.8	0	0
02383	MW	298.		19		ES		21	10	89	PEACO	KMO7.8	0	0
02346	MW	418.		18		ES		21	10	89	PEACO	KMO7.8	0	0
02354	MW	287.				ES		21	10	89	PEACO	KMO7.8	0	0
02384	MW	294.				ES		21	10	89	PEACO	KMO7.8	0	0
02365	MW	370.		9		ES		21	10	89	PEACO	KMO7.8	0	0
02372	MW	335.				ES		21	10	89	PEACO	KMO7.8	0	0
02356	MW	342.				ES		21	10	89	PEACO	KMO7.8	0	0
02355	MW	333.				ES		21	10	89	PEACO	KMO7.8	0	0
02348	MW	307.				ES		21	10	89	PEACO	KMO7.8	0	0
02350	MW	352.				ES		21	10	89	PEACO	KMO7.8	0	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03181	MW	425.				ES		19	10	89	PEACO	KMO9.1	0	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03187	MW	447.				ES		19	10	89	PEACO	KMO9.1	1	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03183	MW	394.		17		ES		19	10	89	PEACO	KMO9.1	0	0
03198	MW	258.				ES		19	10	89	PEACO	KMO9.1	0	0
03194	MW	422.				ES		19	10	89	PEACO	KMO9.1	0	0
03190	MW	270.				ES		19	10	89	PEACO	KMO9.1	0	0
03195	MW	287.		8		ES		19	10	89	PEACO	KMO9.1	0	0
03186	MW	309.		6		ES		19	10	89	PEACO	KMO9.1	0	0
03184	MW	348.				ES		19	10	89	PEACO	KMO9.1	0	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03180	MW	338.				ES		19	10	89	PEACO	KMO9.1	0	0
03201	MW	316.				ES		19	10	89	PEACO	KMO9.1	0	0
03200	MW	324.				ES		19	10	89	PEACO	KMO9.1	0	0
03197	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03178	MW	322.				ES		19	10	89	PEACO	KMO9.1	0	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03177	MW	408.				ES		19	10	89	PEACO	KMO9.1	0	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03191	MW	388.				ES		19	10	89	PEACO	KMO9.1	0	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03196	MW	275.				ES		19	10	89	PEACO	KMO9.1	0	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03201	MW	318.				ES		19	10	89	PEACO	KMO9.1	0	0
03143	MW	339.				ES		19	10	89	PEACO	KMO9.4	0	0
03148	MW	304.				ES		19	10	89	PEACO	KMO9.4	0	0
03170	MW	362.				ES		19	10	89	PEACO	KMO9.4	0	0
03128	MW	298.				ES		19	10	89	PEACO	KMO9.4	0	0
03130	MW	429.				ES		19	10	89	PEACO	KMO9.4	0	0
03147	MW	310.				ES		19	10	89	PEACO	KMO9.4	0	0
03125	MW	321.				ES		19	10	89	PEACO	KMO9.4	0	0
03155	MW	284.		8		ES		19	10	89	PEACO	KMO9.4	0	0
03149	MW	300.				ES		19	10	89	PEACO	KMO9.4	0	0
03152	MW	282.		8		ES		19	10	89	PEACO	KMO9.4	0	0
03175	MW	387.				ES		19	10	89	PEACO	KMO9.4	0	0
03156	MW	320.				ES		19	10	89	PEACO	KMO9.4	0	0
03138	MW	410.				ES		19	10	89	PEACO	KMO9.4	0	0
03139	MW	309.				ES		19	10	89	PEACO	KMO9.4	0	0
03165	MW	358.				ES		19	10	89	PEACO	KMO9.4	0	0
03171	MW	315.				ES		19	10	89	PEACO	KMO9.4	0	0
03161	MW	353.				ES		19	10	89	PEACO	KMO9.4	0	0
03169	MW	298.				ES		19	10	89	PEACO	KMO9.4	0	0
03163	MW	332.				ES		19	10	89	PEACO	KMO9.4	0	0
03126	MW	311.				ES		19	10	89	PEACO	KMO9.4	0	0
03129	MW	196.				ES		19	10	89	PEACO	KMO9.4	0	0
03176	MW	312.				ES		19	10	89	PEACO	KMO9.4	0	0

03150	MW	374.				ES		19	10	89	PEACO	KMO9.4	0	0
03132	MW	456.				ES		19	10	89	PEACO	KMO9.4	0	0
03135	MW	306.				ES		19	10	89	PEACO	KMO9.4	0	0
03127	MW	288.				ES		19	10	89	PEACO	KMO9.4	0	0
03154	MW	350.				ES		19	10	89	PEACO	KMO9.4	0	0
03182	MW	377.				ES		19	10	89	PEACO	KMO9.4	0	0
03141	MW	348.				ES		19	10	89	PEACO	KMO9.4	0	0
03156	MW	358.				ES		19	10	89	PEACO	KMO9.4	0	0
03133	MW	296.				ES		19	10	89	PEACO	KMO9.4	0	0
03136	MW	330.		8		ES		19	10	89	PEACO	KMO9.4	0	0
03146	MW	291.				ES		19	10	89	PEACO	KMO9.4	0	0
03131	MW	382.				ES		19	10	89	PEACO	KMO9.4	0	0
03157	MW	309.				ES		19	10	89	PEACO	KMO9.4	0	0
03142	MW	370.				ES		19	10	89	PEACO	KMO9.4	0	0
03151	MW	332.				ES		19	10	89	PEACO	KMO9.4	0	0
03145	MW	311.				ES		19	10	89	PEACO	KMO9.4	0	0
03078	MW	302.				ES		19	10	89	PEACO	KMO9.9	0	0
03080	MW	302.				ES		19	10	89	PEACO	KMO9.9	0	0
03115	MW	304.				ES		19	10	89	PEACO	KMO9.9	0	0
03081	MW	292.		8		ES		19	10	89	PEACO	KMO9.9	0	0
03082	MW	281.		8		ES	Y15682	19	10	89	PEACO	KMO9.9	0	0
03117	MW	288.				ES		19	10	89	PEACO	KMO9.9	0	0
03109	MW	314.		17		ES		19	10	89	PEACO	KMO9.9	0	0
03104	MW	294.				ES		19	10	89	PEACO	KMO9.9	0	0
03100	MW	275.				ES		19	10	89	PEACO	KMO9.9	0	0
03123	MW	290.				ES		19	10	89	PEACO	KMO9.9	0	0
03088	MW	298.				ES		19	10	89	PEACO	KMO9.9	0	0
02301	MW	351.				ES		19	10	89	PEACO	KMO9.9	0	0
03106	MW	285.				ES		19	10	89	PEACO	KMO9.9	0	0
03093	MW	384.		8		ES		19	10	89	PEACO	KMO9.9	0	0
N3102	MW	302.				ES		19	10	89	PEACO	KMO9.9	0	0
03118	MW	413.		17		ES		19	10	89	PEACO	KMO9.9	0	0
03080	MW	272.		8		ES		19	10	89	PEACO	KMO9.9	0	0
03083	MW	304.		8		ES		19	10	89	PEACO	KMO9.9	0	0
02305	MW	275.				ES		19	10	89	PEACO	KMO9.9	0	0
02300	MW	330.		8		ES		19	10	89	PEACO	KMO9.9	0	0
03118	MW	287.				ES		19	10	89	PEACO	KMO9.9	0	0
03087	MW	354.		8		ES		19	10	89	PEACO	KMO9.9	0	0
03079	MW	283.		17		ES		19	10	89	PEACO	KMO9.9	0	0
03112	MW	422.		8		ES		19	10	89	PEACO	KMO9.9	0	0
03098	MW	381.				ES		19	10	89	PEACO	KMO9.9	0	0
03084	MW	342.		8		ES		19	10	89	PEACO	KMO9.9	0	0
03114	MW	297.				ES		19	10	89	PEACO	KMO9.9	0	0
02304	MW	293.				ES		19	10	89	PEACO	KMO9.9	0	0
03091	MW	343.				ES		19	10	89	PEACO	KMO9.9	0	0
03121	MW	342.				ES		19	10	89	PEACO	KMO9.9	0	0
03097	MW	343.				ES		19	10	89	PEACO	KMO9.9	0	0
03092	MW	333.				ES		19	10	89	PEACO	KMO9.9	0	0
03110	MW	291.				ES		19	10	89	PEACO	KMO9.9	0	0
03120	MW	326.				ES		19	10	89	PEACO	KMO9.9	0	0
03101	MW	294.				ES		19	10	89	PEACO	KMO9.9	0	0
03077	MW	298.		8		ES		19	10	89	PEACO	KMO9.9	0	0
03086	MW	362.		8		ES	Y15674	19	10	89	PEACO	KMO9.9	0	0
03099	MW	388.		17		ES		19	10	89	PEACO	KMO9.9	0	0
03089	MW	334.				ES		19	10	89	PEACO	KMO9.9	0	0
03106	MW	321.				ES		19	10	89	PEACO	KMO9.9	0	0
03094	MW	358.				ES		19	10	89	PEACO	KMO9.9	0	0
03113	MW	436.		18		ES		19	10	89	PEACO	KMO9.9	0	0
02298	MW	334.		8		ES		19	10	89	PEACO	KMO9.9	0	0
03085	MW	380.				ES	Y15675	19	10	89	PEACO	KMO9.9	0	0

University of Alberta

02519	MW	344.			ES			22	10	89	PEACO	KMO6.5	0	0
02550	MW	351.			ES			22	10	89	PEACO	KMO6.5	0	0
02540	MW	286.			ES			22	10	89	PEACO	KMO6.5	0	0
02507	MW	354.	8		ES			22	10	89	PEACO	KMO6.5	0	0
02450	MW	275.			ES			21	10	89	PEACO	KMO6.6	0	0
02429	MW	393.			ES			21	10	89	PEACO	KMO6.6	1	0
02451	MW	279.			ES			21	10	89	PEACO	KMO6.6	1	0
02443	MW	357.			ES			21	10	89	PEACO	KMO6.6	0	0
02438	MW	311.			ES			21	10	89	PEACO	KMO6.6	0	0
02439	MW	367.			ES			21	10	89	PEACO	KMO6.6	0	0
02457	MW	290.			ES			21	10	89	PEACO	KMO6.6	0	0
02453	MW	340.			ES			21	10	89	PEACO	KMO6.6	0	0
02433	MW	290.			ES			21	10	89	PEACO	KMO6.6	0	0
02442	MW	327.			ES			21	10	89	PEACO	KMO6.6	0	0
02454	MW	272.			ES			21	10	89	PEACO	KMO6.6	0	0
02432	MW	298.			ES			21	10	89	PEACO	KMO6.6	0	0
02499	MW	314.			ES		Y15704	21	10	89	PEACO	KMO6.6	0	0
02494	MW	337.	18		ES		Y15700	21	10	89	PEACO	KMO6.6	0	0
02435	MW	312.			ES			21	10	89	PEACO	KMO6.6	0	0
02427	MW	342.			ES			21	10	89	PEACO	KMO6.6	0	0
02428	MW	436.	18		ES			21	10	89	PEACO	KMO6.6	1	0
02426	MW	294.			ES			21	10	89	PEACO	KMO6.6	0	0
02424	MW	328.			ES			21	10	89	PEACO	KMO6.6	1	0
02840	MW	306.			ES			25	10	89	PEACO	KMO6.7	0	0
02849	MW	335.			ES		Y15777	25	10	89	PEACO	KMO6.7	0	0
02843	MW	311.			ES			21	10	89	PEACO	KMO6.7	0	0
02830	MW	398.			ES			25	10	89	PEACO	KMO6.7	0	0
02848	MW	367.			ES		Y15776	25	10	89	PEACO	KMO6.7	0	0
02834	MW	445.	19		ES		Y15745	25	10	89	PEACO	KMO6.7	0	0
02841	MW	369.			ES			25	10	89	PEACO	KMO6.7	0	0
02853	MW	355.			ES		Y15780	25	10	89	PEACO	KMO6.7	0	0
02480	MW	354.			ES			21	10	89	PEACO	KMO6.7	0	0
02846	MW	462.	19		ES		Y15742	25	10	89	PEACO	KMO6.7	0	0
02489	MW	314.			ES			21	10	89	PEACO	KMO6.7	0	0
02476	MW	242.			ES			21	10	89	PEACO	KMO6.7	0	0
02487	MW	301.			ES			21	10	89	PEACO	KMO6.7	0	0
02475	MW	321.			ES			21	10	89	PEACO	KMO6.7	0	0
02850	MW	255.			ES			25	10	89	PEACO	KMO6.7	0	0
02845	MW	349.			ES			25	10	89	PEACO	KMO6.7	0	0
02838	MW	340.			ES		Y15748	25	10	89	PEACO	KMO6.7	0	0
02469	MW	272.			ES			21	10	89	PEACO	KMO6.7	0	0
02485	MW	297.			ES			21	10	89	PEACO	KMO6.7	0	0
02471	MW	392.			ES			21	10	89	PEACO	KMO6.7	0	0
02460	MW	314.			ES			21	10	89	PEACO	KMO6.7	0	0
02474	MW	423.			ES			21	10	89	PEACO	KMO6.7	0	0
02467	MW	309.			ES			21	10	89	PEACO	KMO6.7	0	0
02837	MW	355.			ES		Y15747	25	10	89	PEACO	KMO6.7	0	0
02847	MW	322.			ES			25	10	89	PEACO	KMO6.7	0	0
02836	MW	381.			ES		Y15746	25	10	89	PEACO	KMO6.7	0	0
02844	MW	231.			ES			25	10	89	PEACO	KMO6.7	0	0
02831	MW	372.			ES		Y15743	25	10	89	PEACO	KMO6.7	0	0
02470	MW	333.			ES			21	10	89	PEACO	KMO6.7	0	0
02843	MW	465.	19		ES		Y15741	25	10	89	PEACO	KMO6.7	0	0
02466	MW	351.			ES			21	10	89	PEACO	KMO6.7	0	0
02861	MW	439.	18		ES		Y15778	25	10	89	PEACO	KMO6.7	0	0
02491	MW	235.			ES			21	10	89	PEACO	KMO6.7	0	0
02472	MW	327.			ES			21	10	89	PEACO	KMO6.7	0	0
02842	MW	354.			ES			25	10	89	PEACO	KMO6.7	0	0
02835	MW	268.			ES			25	10	89	PEACO	KMO6.7	0	0
02484	MW	322.			ES			21	10	89	PEACO	KMO6.7	0	0

02852	MW	302.			ES		Y15779	25	10	89	PEACO	KMO6.7	0	0
02485	MW	384.			ES			21	10	89	PEACO	KMO6.7	0	0
02482	MW	354.			ES			21	10	89	PEACO	KMO6.7	0	0
02463	MW	454.			ES			21	10	89	PEACO	KMO6.7	0	0
02462	MW	400.			ES			21	10	89	PEACO	KMO6.7	0	0
02490	MW	327.			ES			21	10	89	PEACO	KMO6.7	0	0
02839	MW	334.	19		ES		Y15749	25	10	89	PEACO	KMO6.7	0	0
02832	MW	345.	8		ES			25	10	89	PEACO	KMO6.7	0	0
02461	MW	332.			ES			21	10	89	PEACO	KMO6.7	0	0
02829	MW	405.			ES		Y15740	25	10	89	PEACO	KMO6.7	0	0
02381	MW	288.			ES			21	10	89	PEACO	KMO7.1	0	0
02376	MW	337.			ES			21	10	89	PEACO	KMO7.1	0	0
02406	MW	287.			ES			21	10	89	PEACO	KMO7.1	0	0
02389	MW	410.			ES			21	10	89	PEACO	KMO7.1	0	0
02416	MW	278.			ES			21	10	89	PEACO	KMO7.1	0	0
02402	MW	328.			ES			21	10	89	PEACO	KMO7.1	0	0
02387	MW	373.			ES			21	10	89	PEACO	KMO7.1	0	0
02375	MW	268.			ES			21	10	89	PEACO	KMO7.1	0	0
02395	MW	282.			ES			21	10	89	PEACO	KMO7.1	0	0
02404	MW	340.			ES			21	10	89	PEACO	KMO7.1	0	0
02385	MW	314.			ES			21	10	89	PEACO	KMO7.1	0	0
02373	MW	294.			ES			21	10	89	PEACO	KMO7.1	0	0
02399	MW	320.			ES			21	10	89	PEACO	KMO7.1	0	0
02383	MW	354.			ES			21	10	89	PEACO	KMO7.1	0	0
02386	MW	290.			ES			21	10	89	PEACO	KMO7.1	1	0
02388	MW	248.			ES			21	10	89	PEACO	KMO7.1	0	0
02417	MW	274.			ES			21	10	89	PEACO	KMO7.1	0	0
02393	MW	246.			ES			21	10	89	PEACO	KMO7.1	0	0
02409	MW	310.			ES			21	10	89	PEACO	KMO7.1	0	0
02410	MW	213.			ES			21	10	89	PEACO	KMO7.1	0	0
02378	MW	272.			ES			21	10	89	PEACO	KMO7.1	0	0
02400	MW	322.			ES			21	10	89	PEACO	KMO7.1	0	0
02412	MW	306.			ES			21	10	89	PEACO	KMO7.1	0	0
02392	MW	409.			ES			21	10	89	PEACO	KMO7.1	0	0
02384	MW	367.			ES			21	10	89	PEACO	KMO7.1	0	0
02408	MW	322.			ES			21	10	89	PEACO	KMO7.1	0	0
02380	MW	305.			ES			21	10	89	PEACO	KMO7.1	0	0
02384	MW	321.			ES			21	10	89	PEACO	KMO7.1	0	0
02415	MW	281.			ES			21	10	89	PEACO	KMO7.1	0	0
02367	MW	296.			ES			21	10	89	PEACO	KMO7.1	0	0
02398	MW	284.			ES			21	10	89	PEACO	KMO7.1	0	0
02368	MW	494.	19		ES			21	10	89	PEACO	KMO7.1	1	0
02401	MW	292.			ES			21	10	89	PEACO	KMO7.1	1	0
02407	MW	292.			ES			21	10	89	PEACO	KMO7.1	0	0
02411	MW	426.			ES			21	10	89	PEACO	KMO7.1	1	0
02382	MW	382.			ES			21	10	89	PEACO	KMO7.1	1	0
02394	MW	348.			ES			21	10	89	PEACO	KMO7.1	0	0
02379	MW	325.			ES			21	10	89	PEACO	KMO7.1	0	0
02374	MW	237.			ES			21	10	89	PEACO	KMO7.1	0	0
02391	MW	295.			ES			21	10	89	PEACO	KMO7.1	0	0
02377	MW	395.	9		ES			21	10	89	PEACO	KMO7.1	0	0
02370	MW	322.			ES			21	10	89	PEACO	KMO7.1	0	0
02396	MW	236.			ES			21	10	89	PEACO	KMO7.1	0	0
02397	MW	383.			ES			21	10	89	PEACO	KMO7.1	0	0
02403	MW	337.			ES			21	10	89	PEACO	KMO7.1	0	0
02413	MW	327.			ES			21	10	89	PEACO	KMO7.1	0	0
02414	MW	246.			ES			21	10	89	PEACO	KMO7.1	0	0
02351	MW	311.			ES			21	10	89	PEACO	KMO7.8	0	0
02352	MW	291.	4		ES			21	10	89	PEACO	KMO7.8	0	0
02349	MW	308.			ES			21	10	89	PEACO	KMO7.8	0	0

02902	MW	295.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02918	MW	308.		ES	25	10	89	PEACO	KMOS.3	0	0
02889	MW	336.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02887	MW	282.		ES	25	10	89	PEACO	KMOS.3	0	0
02921	MW	384.	18	ES	25	10	89	PEACO	KMOS.3	0	0
02858	MW	292.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02873	MW	303.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02930	MW	310.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02868	MW	343.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02915	MW	315.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02880	MW	292.		ES	25	10	89	PEACO	KMOS.3	0	0
02886	MW	355.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02876	MW	336.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02881	MW	350.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02908	MW	406.	9	ES	25	10	89	PEACO	KMOS.3	0	0
02870	MW	279.		ES	25	10	89	PEACO	KMOS.3	0	0
02861	MW	328.		ES	25	10	89	PEACO	KMOS.3	0	0
02910	MW	306.		ES	25	10	89	PEACO	KMOS.3	0	0
02892	MW	369.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02871	MW	272.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02922	MW	260.		ES	25	10	89	PEACO	KMOS.3	0	0
02920	MW	315.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02862	MW	337.		ES	25	10	89	PEACO	KMOS.3	0	0
02885	MW	255.		ES	25	10	89	PEACO	KMOS.3	0	0
02894	MW	309.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02875	MW	359.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02913	MW	409.	18	ES	25	10	89	PEACO	KMOS.3	0	0
02860	MW	302.	9	ES	25	10	89	PEACO	KMOS.3	0	0
02897	MW	365.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02879	MW	305.		ES	25	10	89	PEACO	KMOS.3	0	0
02919	MW	292.		ES	25	10	89	PEACO	KMOS.3	0	0
02868	MW	299.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02911	MW	330.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02904	MW	295.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02883	MW	340.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02880	MW	260.		ES	25	10	89	PEACO	KMOS.3	0	0
02855	MW	328.		ES	25	10	89	PEACO	KMOS.3	0	0
02882	MW	282.		ES	25	10	89	PEACO	KMOS.3	0	0
02863	MW	399.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02864	MW	286.		ES	25	10	89	PEACO	KMOS.3	0	0
02914	MW	386.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02869	MW	386.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02888	MW	390.	9	ES	25	10	89	PEACO	KMOS.3	0	0
02925	MW	330.	9	ES	25	10	89	PEACO	KMOS.3	0	0
02856	MW	355.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02932	MW	327.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02912	MW	350.		ES	25	10	89	PEACO	KMOS.3	0	0
02924	MW	382.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02923	MW	426.		ES	25	10	89	PEACO	KMOS.3	0	0
02891	MW	348.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02877	MW	359.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02901	MW	205.	8.	ES	25	10	89	PEACO	KMOS.3	0	0
02894	MW	381.	9	ES	25	10	89	PEACO	KMOS.3	0	0
02857	MW	372.		ES	25	10	89	PEACO	KMOS.3	0	0
02878	MW	372.	8	ES	25	10	89	PEACO	KMOS.3	0	0
02581	MW	358.		ES	22	10	89	PEACO	KMOS.5	0	0
02568	MW	334.		ES	22	10	89	PEACO	KMOS.5	0	0
02537	MW	323.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02528	MW	326.		ES	22	10	89	PEACO	KMOS.5	0	0
02531	MW	279.	8	ES	22	10	89	PEACO	KMOS.5	0	0

02506	MW	350.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02583	MW	373.	18	ES	22	10	89	PEACO	KMOS.5	0	0
02554	MW	384.		ES	22	10	89	PEACO	KMOS.5	0	0
02541	MW	311.		ES	22	10	89	PEACO	KMOS.5	0	0
02517	MW	329.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02584	MW	270.		ES	22	10	89	PEACO	KMOS.5	0	0
02559	MW	347.		ES	22	10	89	PEACO	KMOS.5	0	0
02551	MW	284.	18	ES	22	10	89	PEACO	KMOS.5	0	0
02525	MW	352.		ES	22	10	89	PEACO	KMOS.5	0	0
02544	MW	357.		ES	22	10	89	PEACO	KMOS.5	0	0
02579	MW	272.		ES	22	10	89	PEACO	KMOS.5	0	0
02575	MW	248.		ES	22	10	89	PEACO	KMOS.5	0	0
02557	MW	327.		ES	22	10	89	PEACO	KMOS.5	0	0
02547	MW	316.		ES	22	10	89	PEACO	KMOS.5	0	0
02526	MW	388.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02522	MW	303.		ES	22	10	89	PEACO	KMOS.5	0	0
02523	MW	328.		ES	22	10	89	PEACO	KMOS.5	0	0
02586	MW	288.		ES	22	10	89	PEACO	KMOS.5	0	0
02532	MW	302.		ES	22	10	89	PEACO	KMOS.5	0	0
02515	MW	307.		ES	22	10	89	PEACO	KMOS.5	0	0
02564	MW	339.		ES	22	10	89	PEACO	KMOS.5	0	0
02573	MW	318.		ES	22	10	89	PEACO	KMOS.5	0	0
02549	MW	377.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02536	MW	277.		ES	22	10	89	PEACO	KMOS.5	0	0
02512	MW	356.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02534	MW	297.		ES	22	10	89	PEACO	KMOS.5	0	0
02510	MW	400.	18	ES	22	10	89	PEACO	KMOS.5	0	0
02511	MW	319.		ES	22	10	89	PEACO	KMOS.5	0	0
02553	MW	328.		ES	22	10	89	PEACO	KMOS.5	0	0
02533	MW	311.		ES	22	10	89	PEACO	KMOS.5	0	0
02514	MW	427.		ES	22	10	89	PEACO	KMOS.5	0	0
02543	MW	284.		ES	22	10	89	PEACO	KMOS.5	0	0
02509	MW	328.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02524	MW	357.		ES	22	10	89	PEACO	KMOS.5	0	0
02539	MW	347.		ES	22	10	89	PEACO	KMOS.5	0	0
02578	MW	278.		ES	22	10	89	PEACO	KMOS.5	0	0
02555	MW	321.		ES	22	10	89	PEACO	KMOS.5	0	0
02528	MW	447.	17	ES	22	10	89	PEACO	KMOS.5	0	0
02516	MW	347.		ES	22	10	89	PEACO	KMOS.5	0	0
02520	MW	389.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02560	MW	288.		ES	22	10	89	PEACO	KMOS.5	0	0
02546	MW	330.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02588	MW	296.		ES	22	10	89	PEACO	KMOS.5	0	0
02580	MW	372.		ES	22	10	89	PEACO	KMOS.5	0	0
02530	MW	349.		ES	22	10	89	PEACO	KMOS.5	0	0
02535	MW	384.		ES	22	10	89	PEACO	KMOS.5	0	0
02518	MW	368.	19	ES	22	10	89	PEACO	KMOS.5	0	0
02545	MW	361.		ES	22	10	89	PEACO	KMOS.5	0	0
02558	MW	328.		ES	22	10	89	PEACO	KMOS.5	0	0
02585	MW.	360.		ES	22	10	89	PEACO	KMOS.5	0	0
02582	MW	355.		ES	22	10	89	PEACO	KMOS.5	0	0
02538	MW	329.		ES	22	10	89	PEACO	KMOS.5	0	0
02513	MW	237.		ES	22	10	89	PEACO	KMOS.5	0	0
02565	MW	434.	9	ES	22	10	89	PEACO	KMOS.5	0	0
02575	MW	336.		ES	22	10	89	PEACO	KMOS.5	0	0
02508	MW	388.		ES	22	10	89	PEACO	KMOS.5	0	0
02566	MW	378.	9	ES	22	10	89	PEACO	KMOS.5	0	0
02521	MW	327.	8	ES	22	10	89	PEACO	KMOS.5	0	0
02577	MW	323.		ES	22	10	89	PEACO	KMOS.5	0	0
02583	MW	347.		ES	22	10	89	PEACO	KMOS.5	0	0

02674	MW	305.			ES	22	10	89	PEACO	KMOS.9	0	0
02658	MW	441.	19		ES	22	10	89	PEACO	KMOS.9	0	0
02654	MW	273.			ES	22	10	89	PEACO	KMOS.9	0	0
02680	MW	340.			ES	22	10	89	PEACO	KMOS.9	0	0
02681	MW	297.			ES	22	10	89	PEACO	KMOS.9	0	0
02669	MW	393.			ES	22	10	89	PEACO	KMOS.9	0	0
02661	MW	374.	8		ES	22	10	89	PEACO	KMOS.9	0	0
02667	MW	423.			ES	22	10	89	PEACO	KMOS.9	0	0
02649	MW	314.			ES	22	10	89	PEACO	KMOS.9	0	0
02665	MW	386.			ES	22	10	89	PEACO	KMOS.9	0	0
02677	MW	348.			ES	22	10	89	PEACO	KMOS.9	0	0
02678	MW	404.			ES	22	10	89	PEACO	KMOS.9	0	0
02682	MW	270.			ES	22	10	89	PEACO	KMOS.9	0	0
02663	MW	400.			ES	22	10	89	PEACO	KMOS.9	0	0
02685	MW	248.			ES	22	10	89	PEACO	KMOS.9	0	0
02660	MW	364.			ES	22	10	89	PEACO	KMOS.9	0	0
02686	MW	319.			ES	22	10	89	PEACO	KMOS.9	0	0
02683	MW	339.			ES	22	10	89	PEACO	KMOS.9	0	0
02659	MW	284.			ES	22	10	89	PEACO	KMOS.9	0	0
02684	MW	378.			ES	22	10	89	PEACO	KMOS.9	0	0
02666	MW	255.			ES	22	10	89	PEACO	KMOS.9	0	0
02675	MW	334.			ES	22	10	89	PEACO	KMOS.9	0	0
02662	MW	383.			ES	22	10	89	PEACO	KMOS.9	0	0
02672	MW	323.			ES	22	10	89	PEACO	KMOS.9	0	0
02664	MW	339.			ES	22	10	89	PEACO	KMOS.9	0	0
02657	MW	334.			ES	22	10	89	PEACO	KMOS.9	0	0
02634	MW	300.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02548	MW	472.			ES	22	10	89	PEACO	KMOS.1	0	0
02957	MW	280.	8		ES	25	10	89	PEACO	KMOS.1	0	0
02613	MW	376.			ES	22	10	89	PEACO	KMOS.1	0	0
02607	MW	311.			ES	22	10	89	PEACO	KMOS.1	0	0
02598	MW	346.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02620	MW	317.			ES	22	10	89	PEACO	KMOS.1	0	0
02935	MW	355.	8		ES	25	10	89	PEACO	KMOS.1	0	0
02595	MW	297.			ES	22	10	89	PEACO	KMOS.1	0	0
02945	MW	405.			ES	25	10	89	PEACO	KMOS.1	0	0
02637	MW	314.			ES	22	10	89	PEACO	KMOS.1	0	0
02625	MW	322.			ES	22	10	89	PEACO	KMOS.1	0	0
02580	MW	295.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02653	MW	430.	17		ES	22	10	89	PEACO	KMOS.1	0	0
02600	MW	271.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02636	MW	264.			ES	22	10	89	PEACO	KMOS.1	0	0
02954	MW	275.			ES	25	10	89	PEACO	KMOS.1	0	0
02650	MW	322.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02614	MW	280.			ES	22	10	89	PEACO	KMOS.1	0	0
02936	MW	364.			ES	25	10	89	PEACO	KMOS.1	0	0
02647	MW	312.			ES	22	10	89	PEACO	KMOS.1	0	0
02617	MW	417.			ES	22	10	89	PEACO	KMOS.1	0	0
02956	MW	279.	8		ES	25	10	89	PEACO	KMOS.1	0	0
02589	MW	390.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02940	MW	309.			ES	25	10	89	PEACO	KMOS.1	0	0
02941	MW	326.			ES	25	10	89	PEACO	KMOS.1	0	0
02638	MW	278.	17		ES	22	10	89	PEACO	KMOS.1	0	0
02623	MW	394.			ES	22	10	89	PEACO	KMOS.1	0	0
02942	MW	303.	8		ES	25	10	89	PEACO	KMOS.1	0	0
02612	MW	341.			ES	22	10	89	PEACO	KMOS.1	0	0
02934	MW	287.			ES	25	10	89	PEACO	KMOS.1	0	0
02596	MW	326.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02937	MW	312.			ES	25	10	89	PEACO	KMOS.1	0	0
02602	MW	350.	8		ES	22	10	89	PEACO	KMOS.1	0	0

02953	MW	338.			ES	25	10	89	PEACO	KMOS.1	0	0
02646	MW	292.			ES	22	10	89	PEACO	KMOS.1	0	0
02952	MW	310.	8		ES	25	10	89	PEACO	KMOS.1	0	0
02933	MW	355.			ES	25	10	89	PEACO	KMOS.1	0	0
02652	MW	272.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02955	MW	286.			ES	25	10	89	PEACO	KMOS.1	0	0
02948	MW	315.			ES	25	10	89	PEACO	KMOS.1	1	0
02624	MW	409.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02649	MW	340.	17		ES	22	10	89	PEACO	KMOS.1	0	0
02621	MW	410.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02641	MW	300.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02943	MW	304.			ES	25	10	89	PEACO	KMOS.1	0	0
02944	MW	315.			ES	25	10	89	PEACO	KMOS.1	0	0
02947	MW	338.			ES	25	10	89	PEACO	KMOS.1	0	0
02618	MW	311.			ES	22	10	89	PEACO	KMOS.1	0	0
02619	MW	288.			ES	22	10	89	PEACO	KMOS.1	0	0
02604	MW	291.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02597	MW	356.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02628	MW	290.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02934	MW	379.	19		ES	25	10	89	PEACO	KMOS.1	0	0
02639	MW	314.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02603	MW	294.			ES	22	10	89	PEACO	KMOS.1	0	0
02630	MW	317.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02946	MW	272.			ES	25	10	89	PEACO	KMOS.1	0	0
02951	MW	312.	8		ES	25	10	89	PEACO	KMOS.1	0	0
02950	MW	386.			ES	25	10	89	PEACO	KMOS.1	0	0
02633	MW	290.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02594	MW	347.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02601	MW	356.	18		ES	22	10	89	PEACO	KMOS.1	0	0
02591	MW	436.	17		ES	22	10	89	PEACO	KMOS.1	0	0
02608	MW	310.			ES	22	10	89	PEACO	KMOS.1	0	0
02626	MW	332.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02642	MW	422.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02640	MW	368.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02582	MW	372.	18		ES	22	10	89	PEACO	KMOS.1	0	0
02956	MW	358.	18		ES	25	10	89	PEACO	KMOS.1	0	0
02631	MW	344.			ES	22	10	89	PEACO	KMOS.1	0	0
02949	MW	380.	18		ES	25	10	89	PEACO	KMOS.1	0	0
02939	MW	348.			ES	25	10	89	PEACO	KMOS.1	0	0
02632	MW	410.	17		ES	22	10	89	PEACO	KMOS.1	0	0
02651	MW	372.	18		ES	22	10	89	PEACO	KMOS.1	0	0
02606	MW	347.			ES	22	10	89	PEACO	KMOS.1	0	0
02627	MW	294.			ES	22	10	89	PEACO	KMOS.1	0	0
02646	MW	346.			ES	22	10	89	PEACO	KMOS.1	0	0
02609	MW	252.	8		ES	22	10	89	PEACO	KMOS.1	0	0
02893	MW	306.			ES	25	10	89	PEACO	KMOS.3	0	0
02917	MW	345.	8		ES	25	10	89	PEACO	KMOS.3	0	0
02926	MW	302.	9		ES	25	10	89	PEACO	KMOS.3	0	0
02916	MW	405.			ES	25	10	89	PEACO	KMOS.3	0	0
02896	MW	358.			ES	25	10	89	PEACO	KMOS.3	0	0
02886	MW	288.	8		ES	25	10	89	PEACO	KMOS.3	0	0
02905	MW	312.	8		ES	25	10	89	PEACO	KMOS.3	0	0
02903	MW	392.	8		ES	25	10	89	PEACO	KMOS.3	0	0
02906	MW	284.			ES	25	10	89	PEACO	KMOS.3	0	0
02885	MW	379.	9		ES	25	10	89	PEACO	KMOS.3	0	0
02884	MW	309.	8		ES	25	10	89	PEACO	KMOS.3	0	0
02874	MW	362.			ES	25	10	89	PEACO	KMOS.3	0	0
02927	MW	315.			ES	25	10	89	PEACO	KMOS.3	0	0
02908	MW	342.	8		ES	25	10	89	PEACO	KMOS.3	0	0
02887	MW	284.	8		ES	25	10	89	PEACO	KMOS.3	0	0

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PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP	LENGTH (MM)	WEIGHT (G)	SEX-MAT	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
M 31	MW	272.	306.	6	.	5	SC	ES	.		15	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 2	MW	288.	338.	.	.	.	.	ES	.		10	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 33	MW	315.	416.	16	.	6	SC	ES	.		15	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 77	MW	420.	744.	.	.	10	SC	ES	.		21	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 40	MW	280.	222.	.	.	4	SC	ES	.		15	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 29	MW	412.	1100.	16	.	10	SC	ES	.		15	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 69	MW	290.	392.	.	.	5	.	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 72	MW	415.	898.	.	.	9	SC	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 75	MW	375.	594.	.	.	7	SC	ES	.		21	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 70	MW	325.	474.	.	.	5	.	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 64	MW	315.	384.	.	.	5	SC	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 65	MW	380.	806.	.	.	7	.	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 30	MW	294.	346.	6	.	5	SC	ES	.		15	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 73	MW	348.	496.	.	.	6	SC	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 76	MW	487.	1288.	.	.	14	SC	ES	.		21	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 79	MW	330.	406.	.	.	6	SC	ES	.		21	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 36	MW	396.	852.	16	.	8	SC	ES	.		15	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 68	MW	412.	928.	.	.	9	.	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 35	MW	422.	894.	16	.	10	SC	ES	.		15	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 74	MW	348.	450.	.	.	6	SC	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 71	MW	440.	990.	.	.	12	SC	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 78	MW	435.	894.	.	.	10	SC	ES	.		21	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 67	MW	420.	1060.	.	.	9	.	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 34	MW	355.	602.	16	.	7	SC	ES	.		15	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 66	MW	445.	1280.	.	.	12	.	ES	.		20	10	89	PEACO	.	1	0	MERCURY ANALYSIS
02761	MW	258.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02765	MW	335.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02762	MW	337.	.	19	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02767	MW	378.	.	19	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02760	MW	311.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02752	MW	263.	.	8	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02773	MW	357.	.	19	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02777	MW	413.	.	19	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02765	MW	317.	.	8	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02771	MW	462.	.	19	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02768	MW	307.	.	19	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02772	MW	354.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02753	MW	239.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02770	MW	383.	.	19	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02763	MW	275.	.	8	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02791	MW	363.	.	9	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02790	MW	287.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02786	MW	324.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02794	MW	267.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02779	MW	381.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02787	MW	344.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02766	MW	300.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02789	MW	335.	.	8	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02776	MW	345.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	

02774	MW	327.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02775	MW	336.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02784	MW	414.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02768	MW	382.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM02.6	0	0	
02753	MW	307.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.3	0	0	
02758	MW	239.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.3	0	0	
02762	MW	276.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.3	0	0	
02761	MW	329.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.3	0	0	
02763	MW	276.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.3	0	0	
C 802	MW	351.	488.	18	.	.	.	GN	2.5		23	10	89	PEACO	KM04.4	1	0	ST-10(MUSH)
C 801	MW	370.	581.	19	.	.	.	GN	2.5		23	10	89	PEACO	KM04.4	1	0	ST-20(CLAMS/GAS20)
C 803	MW	243.	180.	.	.	.	.	GN	2.5		23	10	89	PEACO	KM04.4	1	0	ST-MT
C 804	MW	252.	320.	12	.	.	.	GN	2.5		23	10	89	PEACO	KM04.4	1	0	ST-15(MUSH)
03062	MW	282.	.	19	.	.	.	ES	.		23	10	89	PEACO	KM04.5	0	0	
03069	MW	258.	.	8	.	.	.	ES	.		23	10	89	PEACO	KM04.5	0	0	
03070	MW	319.	.	8	.	.	.	ES	.		23	10	89	PEACO	KM04.5	0	0	
03068	MW	296.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM04.5	0	0	
03063	MW	254.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM04.5	0	0	
03067	MW	267.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM04.5	0	0	
03065	MW	410.	.	17	.	.	.	ES	.		23	10	89	PEACO	KM04.5	0	0	
03061	MW	347.	.	.	.	.	.	ES	.		23	10	89	PEACO	KM04.5	0	0	
03071	MW	400.	.	19	.	.	.	ES	.		23	10	89	PEACO	KM04.5	0	0	
C 798	MW	354.	544.	19	.	.	.	GN	6.4		23	10	89	PEACO	KM04.6	1	0	ST-15 (MUSH)
02711	MW	408.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02721	MW	274.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02720	MW	388.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02734	MW	307.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02747	MW	400.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02729	MW	314.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02713	MW	383.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02746	MW	300.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02748	MW	322.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02714	MW	287.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02737	MW	407.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02723	MW	334.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02740	MW	287.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02735	MW	348.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02716	MW	324.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02736	MW	276.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02719	MW	309.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02730	MW	316.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02715	MW	378.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02712	MW	378.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02744	MW	352.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02728	MW	223.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02731	MW	347.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02743	MW	350.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02726	MW	442.	.	19	.	.	.	ES	.		22	10	89	PEACO	KM04.7	0	0	
02697	MW	270.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02705	MW	382.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02690	MW	357.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02707	MW	288.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02694	MW	287.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02708	MW	282.	.	17	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02702	MW	315.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02692	MW	329.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02704	MW	317.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02709	MW	420.	.	17	.	.	.	ES	.		22	10	89	PEACO	KM05.4	0	0	
02667	MW	317.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.9	0	0	
02670	MW	347.	.	.	.	.	.	ES	.		22	10	89	PEACO	KM05.9	0	0	

AGE-GROWTH ANALYSIS

FEMALES ONLY

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX			232.0	256.0	283.0	317.0	314.0	342.0	355.0	368.0							
MEAN+CI				288.7	286.1	311.9			390.1	414.8							
MEAN			232.0	246.7	273.4	301.4	314.0	342.0	352.0	364.0							
MEAN-CI				228.6	260.7	290.9			313.9	313.2							
MIN			232.0	240.0	262.0	291.0	314.0	342.0	349.0	360.0							
NUMBER			1.	3.	5.	7.	1.	1.	2.	2.							
SD	0.00	0.00	0.00	8.08	10.21	11.36	0.00	0.00	4.24	5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	4.67	4.57	4.29	0.00	0.00	3.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	3.25	3.74	3.77	0.00	0.00	1.21	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX				208.0	324.0	362.0				584.0							
MEAN+CI				243.1	628.4	502.5											
MEAN				205.0	298.0	350.0				584.0							
MEAN-CI				166.9	-32.4	197.5											
MIN				202.0	272.0	338.0				584.0							
NUMBER				2.	2.	2.				1.							
SD	0.00	0.00	0.00	4.24	36.77	16.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	3.00	26.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	2.07	12.34	4.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	0.000	1.461	1.524	1.358	0.000	0.000	0.000	1.252	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	2.222	1.695	1.762	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	0.000	1.396	1.510	1.323	0.000	0.000	0.000	1.252	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.570	1.324	0.884	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	1.331	1.495	1.289	0.000	0.000	0.000	1.252	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER				2.	2.	2.				1.							
SD	0.00	0.00	0.00	0.09	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.07	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	6.59	1.37	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NO SEX INDETERMINABLE IN AGED SAMPLE

AGE-MATURITY ANALYSIS

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER	TOTAL
SEX/ MAT.																		
99																		0
1																		0
2																		0
3																		0
4						4	2		1									7
5																		0
6																		0
7																		0
8																		0
9																		0
10																		0
11			1	2	1		1											5
12																		0
13																		0
14				1	4	7		1	2	2								17
15																		0
16																		0
17																		0
18																		0
19																		0
20																		0
TOTAL			1	3	5	11	3	1	3	2								29

AGE-GROWTH ANALYSIS

ALL GROUPED

AGE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDE
LENGTH(MM)																	
MAX	106.0	180.0	232.0	256.0	283.0	317.0	330.0	342.0	407.0	392.0		466.0	471.0	453.0	476.0		
MEAN+CI	110.2	184.3	246.2	258.7	286.1	306.7	343.3		409.7	394.2		504.4	746.1				
MEAN	93.4	172.3	219.7	248.7	273.4	295.4	323.0	342.0	365.3	388.8		429.3	447.5	453.0	476.0		
MEAN-CI	76.8	160.2	193.1	228.8	260.7	284.0	302.7		320.8	345.3		350.3	148.9				
MIN	75.0	162.0	213.0	240.0	262.0	256.0	314.0	342.0	349.0	359.0		409.0	424.0	453.0	476.0		
NUMBER	5.	4.	3.	3.	5.	11.	3.	1.	4.	4.		3.	2.	1.	1.		
SD	13.54	7.59	10.88	8.06	10.21	16.94	8.19	0.00	27.96	15.37	0.00	31.82	33.23	0.00	0.00	0.00	0.0
STERR	6.05	3.79	6.17	4.67	4.57	5.11	4.73	0.00	13.98	7.69	0.00	14.37	23.50	0.00	0.00	0.00	0.00
COVAR	14.50	4.41	4.87	3.26	3.74	5.73	2.53	0.00	7.85	4.18	0.00	7.41	7.43	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX	12.0	70.0	128.0	206.0	324.0	382.0				584.0		1390.0	1380.0		1540.0		
MEAN+CI	13.0	76.3	209.9	243.1	626.4	471.8						1886.8	4239.7				
MEAN	9.2	58.0	121.0	205.0	298.0	314.0				584.0		861.3	1114.0		1540.0		
MEAN-CI	5.4	41.7	32.1	166.8	-32.4	158.2						35.8	******				
MIN	6.0	44.0	114.0	202.0	272.0	242.0				584.0		716.0	868.0		1540.0		
NUMBER	5.	4.	2.	2.	2.	3.				1.		3.	2.		1.		
SD	3.03	10.89	9.90	4.24	38.77	83.50	0.00	0.00	0.00	0.00	0.00	372.53	347.90	0.00	0.00	0.00	0.0
STERR	1.35	5.46	7.00	3.00	26.00	38.86	0.00	0.00	0.00	0.00	0.00	215.08	246.00	0.00	0.00	0.00	0.0
COVAR	32.97	18.46	8.18	2.07	12.34	20.22	0.00	0.00	0.00	0.00	0.00	38.75	31.23	0.00	0.00	0.00	0.0
CONDITION																	
MAX	1.422	1.306	1.325	1.461	1.524	1.442	0.000	0.000	0.000	1.252	0.000	1.374	1.302	0.000	1.428	0.000	0.00
MEAN+CI	1.415	1.343	2.269	2.222	1.895	1.554	0.000	0.000	0.000	0.000	0.000	1.627	2.255	0.000	0.000	0.000	0.00
MEAN	1.124	1.146	1.244	1.386	1.510	1.363	0.000	0.000	0.000	1.252	0.000	1.176	1.220	0.000	1.428	0.000	0.00
MEAN-CI	0.834	0.949	0.219	0.570	1.324	1.171	0.000	0.000	0.000	0.000	0.000	0.724	0.185	0.000	0.000	0.000	0.00
MIN	0.884	1.035	1.163	1.331	1.495	1.288	0.000	0.000	0.000	1.252	0.000	1.016	1.139	0.000	1.428	0.000	0.000
NUMBER	5.	4.	2.	2.	2.	3.				1.		3.	2.		1.		
SD	0.23	0.12	0.11	0.08	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.18	0.12	0.00	0.00	0.00	0.00
STERR	0.10	0.06	0.08	0.07	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.10	0.08	0.00	0.00	0.00	0.0
COVAR	20.82	10.80	9.17	6.59	1.37	5.86	0.00	0.00	0.00	0.00	0.00	15.45	9.44	0.00	0.00	0.00	0.0

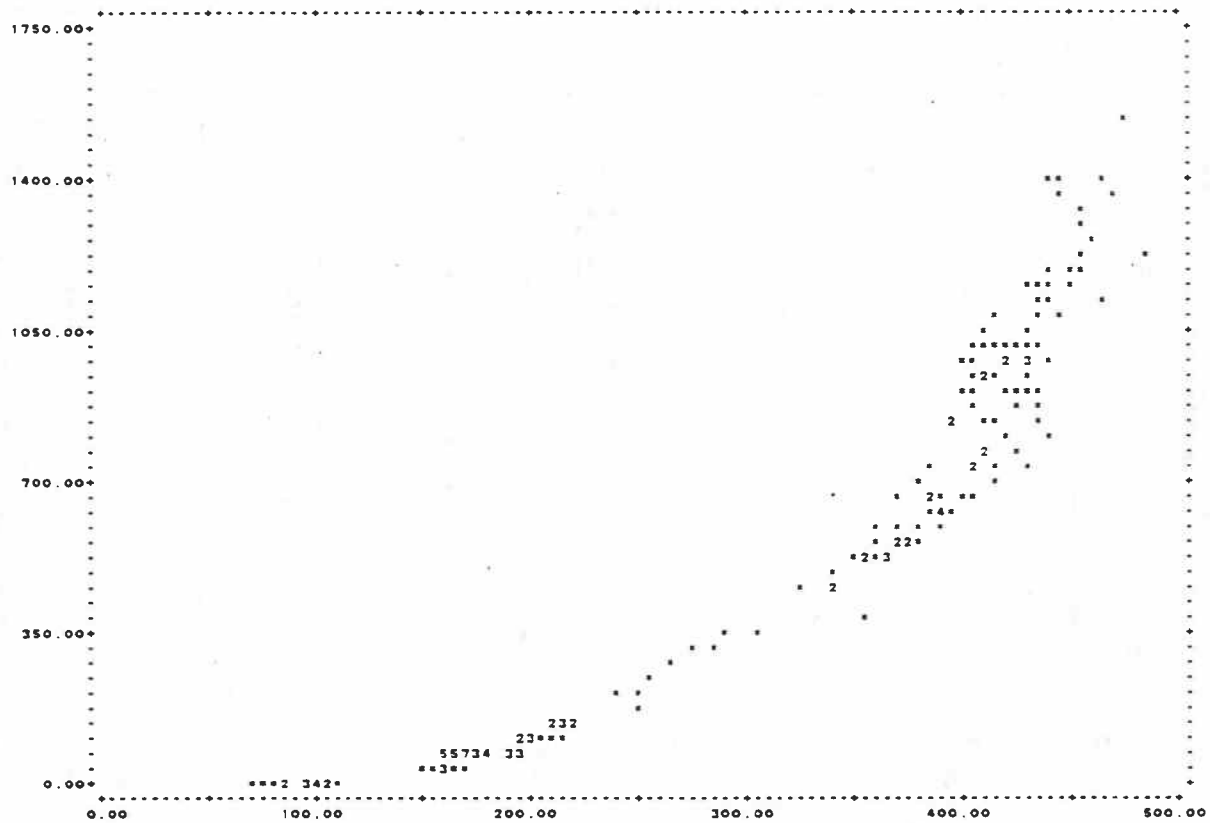
AGE-GROWTH ANALYSIS

MALES ONLY

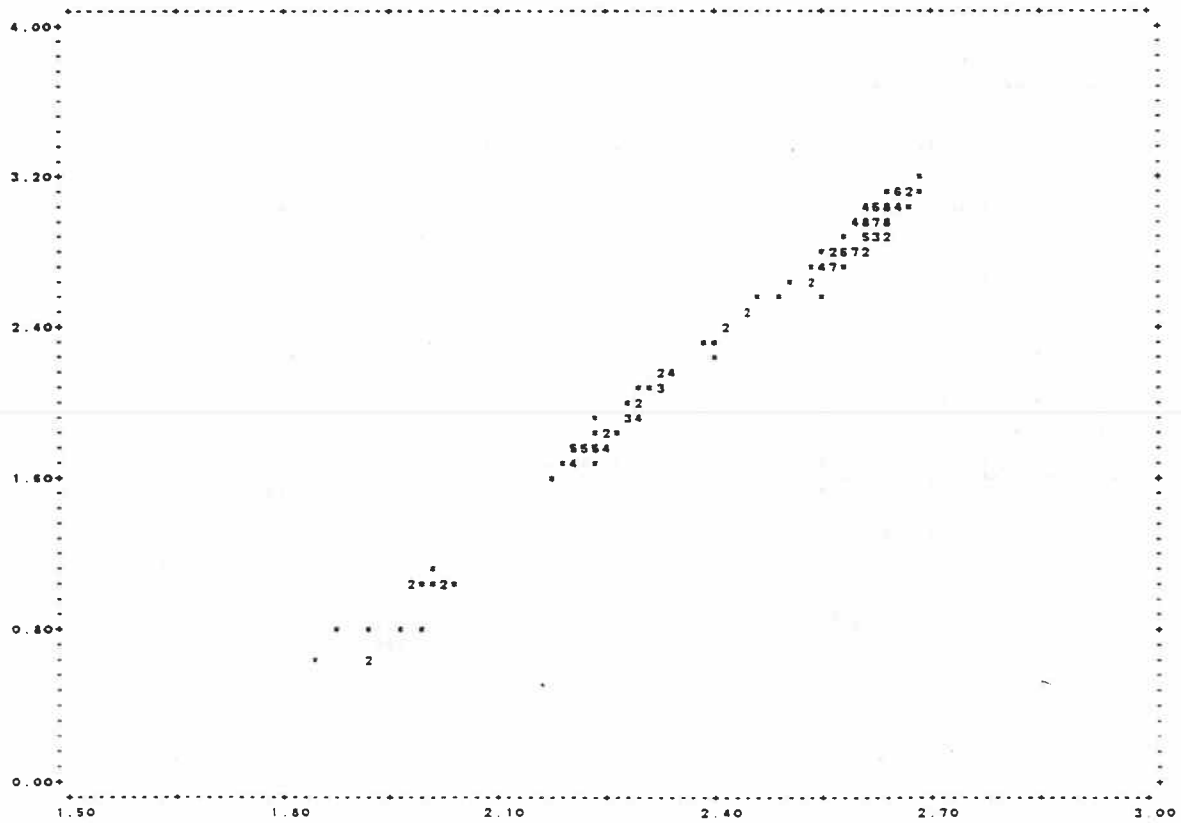
AGE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDE
LENGTH(MM)																	
MAX						304.0	330.0		350.0								
MEAN+CI						319.0	359.3										
MEAN						284.8	327.5		350.0								
MEAN-CI						250.5	295.7										
MIN						256.0	325.0		350.0								
NUMBER						4.	2.		1.								
SD	0.00	0.00	0.00	0.00	0.00	21.50	3.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	10.75	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	7.55	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WEIGHT(G)																	
MAX						242.0											
MEAN+CI																	
MEAN						242 0											
MEAN-CI																	
MIN						242.0											
NUMBER						1.											
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	0.000	0.000	0.000	1 442	0.000	0.000	0.000	0.000	0.000	0.000	0 000	0.000	0.000	0.000	0.00
MEAN+CI	0.000	0.000	0.000	0 000	0.000	0 000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0 000	0.000	0.000	0 00
MEAN	0.000	0.000	0.000	0.000	0.000	1.442	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0 000	0.000	0.000	0 000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	0.000	0.000	1.442	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER						1.											
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0 00	0.00	0.00	0.0
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

University of Alberta

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



PLOT OF LOG10 LENGTH (X-AXIS) VRS LOG10 WEIGHT (Y-AXIS)



WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
0- 49	19	10.4	1.06	19	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
50- 99	35	19.2	1.23	35	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
100- 149	13	7.1	1.36	13	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
150- 199	1	0.5	1.14	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 249	3	1.6	1.41	3	1	100.0	1.44	1	2	28.6	1.40	2	0	0.0	0.00	0
250- 299	1	0.5	1.50	1	0	0.0	0.00	0	1	14.3	1.50	1	0	0.0	0.00	0
300- 349	3	1.6	1.44	3	0	0.0	0.00	0	2	28.6	1.44	2	0	0.0	0.00	0
350- 399	2	1.1	1.09	2	0	0.0	0.00	0	1	14.3	1.29	1	0	0.0	0.00	0
400- 449	1	0.5	1.11	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
450- 499	3	1.6	1.26	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 549	7	3.8	1.13	7	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
550- 599	8	4.4	1.12	8	0	0.0	0.00	0	1	14.3	1.25	1	0	0.0	0.00	0
600- 649	8	4.4	1.07	8	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
650- 699	7	3.8	1.18	7	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 749	6	3.3	1.08	6	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
750- 799	3	1.6	1.10	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 849	5	2.7	1.18	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
850- 899	5	2.7	1.16	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
900- 949	9	4.9	1.29	9	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
950- 999	10	5.5	1.31	10	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1000-1049	9	4.9	1.36	9	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1050-1099	1	0.5	1.23	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1100-1149	8	4.4	1.33	8	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1150-1199	3	1.6	1.34	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1200-1249	3	1.6	1.28	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1250-1299	2	1.1	1.35	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1300-1349	1	0.5	1.43	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1350-1399	3	1.6	1.41	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1400-1449	2	1.1	1.81	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1450-1499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1500-1549	1	0.5	1.43	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	182	100.0	-	182	1	100.0	-	1	7	100.0	-	7	0	0.0	-	0

CONDITION FACTORS SUMMARY	ALL GROUPED	MALES	FEMALES	SEX INDETERMINABLE
MEAN =	1.2271	1.4424	1.3871	0.0000
STDDEV =	0.1726	0.0000	0.1065	0.0000
COEVAR =	14.0686	0.0000	7.6795	0.0000
STDERR =	0.0029	0.0000	0.0191	0.0000
N =	182	1	7	0
MEDIAN SIZE	569 G	226 G	313 G	0 G

LENGTH - WEIGHT REGRESSION

1) THE COEF. OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.989381373

2) N = 182

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -5.079301 + 3.06687641 LOG10(LENGTH)

OR WEIGHT= 0.83311E-05 LENGTH TO THE 3.06687641

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF	T	S.D.
INTERCEPT	-5.079301	-87.285431	0.058192
SLOPE	3.066876	128.499939	0.023862

5) LOG10(LENGTH) MEANS = 2.447863

6) LOG10(WEIGHT) MEANS = 2.427360

7) SUM OF X SQUARED = 1098.8698 SUM OF SMALL X SQUARED = 8.487548

8) SUM OF Y SQUARED = 1153.0640 SUM OF SMALL Y SQUARED = 80.888477

9) SUM OF XY = 1107.3887 SUM OF SMALL XY = 26.030273

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	79.83161926	79.83161926	16770.22856250
ERROR	180	0.85588730	0.00476032	
TOTAL	181	80.6884786		

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NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = MW

LOCATION= PEACN SITE(S)=KM02.3 KM02.8 KM03.0 KM03.6 KM04.3 KM04.5 KM04.8 KM04.9 KM05.3 KM05.4
KM05.5 KM05.6 KM05.7 KM05.8 KM06.9 KM06.1 KM06.2 KM06.3 KM06.4 KM06.6
KM06.7 KM07.0 KM07.1 KM07.2 KM07.3 KM07.4 KM08.9 KM09.1 KM09.2 KM09.4
KM09.8 KM09.7 KM09.4 KM09.9 KM10.2 KM10.3 KM10.5 KM10.6 KM10.7 KM10.8
KM11.0 KM11.1 KM11.3 KM11.5 KM11.6 KM11.8 KM12.0 KM12.1 KM12.2 KM12.3
KM12.5 KM12.6 KM12.7 KM12.8 KM13.0 KM13.1 KM13.2 KM13.3 KM13.4 KM13.5
KM13.7 KM13.8 KM13.9 KM14.0 KM14.3 KM14.4 KM14.6 KM14.7 KM14.8 KM14.9

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED =3494

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
60- 79	2	0.1	1.29	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
80- 99	7	0.2	0.90	7	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
100- 119	8	0.2	1.07	8	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
120- 139	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
140- 159	6	0.2	1.18	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
160- 179	37	1.0	1.25	25	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
180- 199	20	0.6	1.20	13	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 219	81	2.3	1.34	11	1	5.3	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
220- 239	165	4.7	0.00	0	0	0.0	0.00	0	1	3.2	0.00	0	0	0.0	0.00	0
240- 259	315	8.9	1.34	4	1	5.3	1.44	1	3	9.7	1.40	2	0	0.0	0.00	0
260- 279	467	13.2	1.51	2	2	10.5	0.00	0	3	9.7	1.51	2	0	0.0	0.00	0
280- 299	635	17.9	1.40	2	6	31.6	0.00	0	8	25.8	1.36	1	0	0.0	0.00	0
300- 319	571	16.1	1.29	1	3	15.8	0.00	0	5	16.1	1.29	1	0	0.0	0.00	0
320- 339	468	13.2	1.39	1	3	15.8	0.00	0	2	6.5	0.00	0	0	0.0	0.00	0
340- 359	276	7.8	1.12	8	3	15.8	0.00	0	7	22.6	0.00	0	0	0.0	0.00	0
360- 379	191	5.4	1.13	12	0	0.0	0.00	0	2	6.5	1.25	1	0	0.0	0.00	0
380- 399	130	3.7	1.17	16	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 419	78	2.2	1.28	25	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
420- 439	48	1.4	1.22	23	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
440- 459	30	0.8	1.33	16	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
460- 479	6	0.2	1.31	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
480- 499	1	0.0	1.08	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 519	2	0.1	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
520- 539	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
540- 559	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
560- 579	1	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
580- 599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 619	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
620- 639	1	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	3544	100.0	-	182	19	100.0	-	1	31	100.0	-	7	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 1.2271 STDDEV = 0.1726 COEVAR = 14.0688 STDERR = 0.0029 N = 182				MEAN = 1.4424 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 1				MEAN = 1.3871 STDDEV = 0.1065 COEVAR = 7.6795 STDERR = 0.0191 N = 7				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0			
MEDIAN SIZE	302 MM				299 MM				302 MM				0 MM			

A	636	MW	266.						ES			14	&	89	PEACN	KM14.7	0	0	
A	639	MW	251.						ES		Y 8157	14	&	89	PEACN	KM14.7	0	0	
A	646	MW	296.						ES		Y 8928	13	&	89	PEACN	KM14.7	0	0	
A	671	MW	250.						ES		Y 8948	13	&	89	PEACN	KM14.7	0	0	
A	880	MW	338.						ES		Y 9061	14	&	89	PEACN	KM14.7	0	0	
A	929	MW	283.						ES			14	&	89	PEACN	KM14.7	0	0	
A	910	MW	293.						ES		Y 9123	14	&	89	PEACN	KM14.7	0	0	
A	886	MW	310.						ES		Y 9108	14	&	89	PEACN	KM14.7	0	0	
A	668	MW	250.						ES		Y 8943	13	&	89	PEACN	KM14.7	0	0	
A	647	MW	285.						ES		Y 8929	13	&	89	PEACN	KM14.7	0	0	
A	673	MW	306.						ES		Y 8950	13	&	89	PEACN	KM14.7	0	0	
A	925	MW	257.						ES		Y 9154	14	&	89	PEACN	KM14.7	0	0	
A	892	MW	265.						ES		Y 9112	14	&	89	PEACN	KM14.7	0	0	
A	932	MW	278.						ES		Y 9092	14	&	89	PEACN	KM14.7	0	0	
A	882	MW	335.						ES		Y 8079	14	&	89	PEACN	KM14.7	0	0	
A	916	MW	292.						ES		Y 9087	14	&	89	PEACN	KM14.7	0	0	
A	885	MW	272.						ES		Y 9080	14	&	89	PEACN	KM14.7	0	0	
A	656	MW	258.						ES		Y 8936	13	&	89	PEACN	KM14.7	0	0	
A	909	MW	260.						ES		Y 9122	14	&	89	PEACN	KM14.7	0	0	
A	931	MW	245.						ES			14	&	89	PEACN	KM14.7	0	0	
A	677	MW	300.						ES		Y 8954	13	&	89	PEACN	KM14.7	0	0	
A	912	MW	258.						ES		Y 9066	14	&	89	PEACN	KM14.7	0	0	
A	661	MW	288.						ES		Y 8939	13	&	89	PEACN	KM14.7	0	0	
A	659	MW	235.						ES			13	&	89	PEACN	KM14.7	0	0	
A	914	MW	259.						ES		Y 9151	14	&	89	PEACN	KM14.7	0	0	
A	655	MW	312.						ES		Y 8935	13	&	89	PEACN	KM14.7	0	0	
A	923	MW	258.						ES		Y 9153	14	&	89	PEACN	KM14.7	0	0	
A	675	MW	324.						ES		Y 8952	13	&	89	PEACN	KM14.7	0	0	
A	643	MW	301.						ES			13	&	89	PEACN	KM14.7	0	0	
A	889	MW	311.						ES			14	&	89	PEACN	KM14.7	0	0	
A	930	MW	250.						ES			14	&	89	PEACN	KM14.7	1	0	
A	653	MW	285.						ES			13	&	89	PEACN	KM14.7	0	0	
A	663	MW	304.						ES		Y 8941	13	&	89	PEACN	KM14.7	0	0	
A	911	MW	259.						ES		Y 9064	14	&	89	PEACN	KM14.7	0	0	
A	664	MW	283.						ES			14	&	89	PEACN	KM14.7	0	0	
A	887	MW	302.						ES		Y 9110	14	&	89	PEACN	KM14.7	0	0	
A	678	MW	266.						ES		Y 8956	13	&	89	PEACN	KM14.7	0	0	
A	679	MW	253.						ES		Y 8956	13	&	89	PEACN	KM14.7	0	0	
A	926	MW	284.						ES		Y 9090	14	&	89	PEACN	KM14.7	0	0	
A	668	MW	325.						ES		Y 8945	13	&	89	PEACN	KM14.7	0	0	
A	654	MW	291.						ES		Y 8934	13	&	89	PEACN	KM14.7	0	0	
A	657	MW	311.						ES		Y 8937	13	&	89	PEACN	KM14.7	0	0	
A	644	MW	324.						ES			13	&	89	PEACN	KM14.7	0	0	
A	667	MW	255.						ES		Y 8944	13	&	89	PEACN	KM14.7	0	0	
A	642	MW	277.	324.	14	4	SC		ES			13	&	89	PEACN	KM14.7	1	0	ST20(20CHIR)
A	680	MW	293.						ES		Y 8957	13	&	89	PEACN	KM14.7	0	0	
A	649	MW	292.	334.	14	5	SC		ES			13	&	89	PEACN	KM14.7	1	0	ST15(10CHIR,SEPHEM)
A	669	MW	302.						ES		Y 8946	13	&	89	PEACN	KM14.7	0	0	
A	623	MW	265.						ES		Y 8912	13	&	89	PEACN	KM14.8	0	0	
A	629	MW	253.						ES			13	&	89	PEACN	KM14.8	0	0	
A	634	MW	252.						ES		Y 8920	13	&	89	PEACN	KM14.8	0	0	
A	630	MW	252.						ES		Y 8917	13	&	89	PEACN	KM14.8	0	0	
A	620	MW	288.						ES		Y 8910	13	&	89	PEACN	KM14.8	0	0	
A	618	MW	255.						ES			13	&	89	PEACN	KM14.8	1	0	
A	627	MW	283.						ES		Y 8915	13	&	89	PEACN	KM14.8	0	0	
A	632	MW	286.						ES		Y 8918	13	&	89	PEACN	KM14.8	0	0	
A	631	MW	239.						ES			13	&	89	PEACN	KM14.8	1	0	
A	635	MW	285.						ES		Y 8912	13	&	89	PEACN	KM14.8	0	0	
A	622	MW	270.						ES		Y 8911	13	&	89	PEACN	KM14.8	0	0	
A	633	MW	250.						ES		Y 8919	13	&	89	PEACN	KM14.8	0	0	

A	625	MW	285.						ES		Y 8914	13	&	89	PEACN	KM14.8	0	0
A	628	MW	297.						ES		Y 8916	13	&	89	PEACN	KM14.8	0	0
A	628	MW	235.						ES			13	&	89	PEACN	KM14.8	0	0
A	636	MW	289.						ES		Y 8922	13	&	89	PEACN	KM14.8	0	0
A	624	MW	258.						ES		Y 8913	13	&	89	PEACN	KM14.8	0	0
A	621	MW	281.						ES			13	&	89	PEACN	KM14.8	0	0
A	870	MW	270.						ES		Y 9100	14	&	89	PEACN	KM14.9	0	0
A	864	MW	286.						ES		Y 9072	14	&	89	PEACN	KM14.9	0	0
A	863	MW	306.						ES		Y 9076	14	&	89	PEACN	KM14.9	0	0
A	871	MW	295.						ES			14	&	89	PEACN	KM14.9	1	0
A	867	MW	300.						ES		Y 9078	14	&	89	PEACN	KM14.9	0	0
A	865	MW	312.						ES		Y 9077	14	&	89	PEACN	KM14.9	0	0
A	876	MW	284.						ES		Y 9105	14	&	89	PEACN	KM14.9	0	0
A	872	MW	258.						ES		Y 9101	14	&	89	PEACN	KM14.9	0	0
A	860	MW	323.						ES		Y 9075	14	&	89	PEACN	KM14.9	0	0

A2838	MW	266.			ES			21	& 89	PEACN	KM14.4	1	0		
A2782	MW	305.			ES		Y10392	21	& 89	PEACN	KM14.4	0	0		
A2840	MW	280.			ES		Y10449	21	& 89	PEACN	KM14.4	0	0		
A2815	MW	306.			ES		Y10427	21	& 89	PEACN	KM14.4	0	0		
A2744	MW	282.			ES		Y10378	21	& 89	PEACN	KM14.4	0	0		
A2852	MW	348.			ES		Y10458	21	& 89	PEACN	KM14.4	0	0		
A2825	MW	283.			ES		Y10436	21	& 89	PEACN	KM14.4	0	0		
A2831	MW	316.			ES		Y10442	21	& 89	PEACN	KM14.4	0	0		
A2867	MW	320.			ES		Y10471	21	& 89	PEACN	KM14.4	0	0		
A2808	MW	258.			ES			21	& 89	PEACN	KM14.4	0	0		
A2770	MW	287.			ES		Y10398	21	& 89	PEACN	KM14.4	0	0		
A2788	MW	247.			ES			21	& 89	PEACN	KM14.4	0	0		
A2811	MW	251.			ES		Y10424	21	& 89	PEACN	KM14.4	0	0		
A2869	MW	255.			ES		Y10473	21	& 89	PEACN	KM14.4	0	0		
A2874	MW	250.			ES		Y10478	21	& 89	PEACN	KM14.4	0	0		
A2861	MW	255.			ES		Y10467	21	& 89	PEACN	KM14.4	0	0		
A2838	MW	268.			ES		Y10448	21	& 89	PEACN	KM14.4	0	0		
A2822	MW	270.			ES		Y10433	21	& 89	PEACN	KM14.4	0	0		
A2785	MW	274.			ES		Y10410	21	& 89	PEACN	KM14.4	0	0		
A2854	MW	272.			ES		Y10461	21	& 89	PEACN	KM14.4	0	0		
A2877	MW	265.			ES			21	& 89	PEACN	KM14.4	0	0		
A2878	MW	310.			ES			21	& 89	PEACN	KM14.4	1	0		
A2796	MW	295.			ES			21	& 89	PEACN	KM14.4	1	0		
A2796	MW	295.			ES			21	& 89	PEACN	KM14.4	1	0		
A2849	MW	341.			ES		Y10456	21	& 89	PEACN	KM14.4	0	0		
A2857	MW	302.			ES		Y10463	21	& 89	PEACN	KM14.4	0	0		
A2865	MW	249.			ES			21	& 89	PEACN	KM14.4	0	0		
A2853	MW	309.			ES		Y10460	21	& 89	PEACN	KM14.4	0	0		
A2740	MW	317.			ES			21	& 89	PEACN	KM14.4	0	0		
A2875	MW	274.			ES			21	& 89	PEACN	KM14.4	0	0		
A2879	MW	250.			ES		Y10479	21	& 89	PEACN	KM14.4	0	0		
A2872	MW	274.			ES		Y10476	21	& 89	PEACN	KM14.4	0	0		
A2789	MW	247.			ES			21	& 89	PEACN	KM14.4	0	0		
A2878	MW	271.			ES			21	& 89	PEACN	KM14.4	0	0		
A2860	MW	315.			ES		Y10466	21	& 89	PEACN	KM14.4	0	0		
A2769	MW	304.			ES		Y10389	21	& 89	PEACN	KM14.4	0	0		
A2742	MW	248.			ES			21	& 89	PEACN	KM14.4	0	0		
A2836	MW	260.			ES		Y10446	21	& 89	PEACN	KM14.4	0	0		
A2788	MW	233.			ES			21	& 89	PEACN	KM14.4	0	0		
A2807	MW	277.			ES			21	& 89	PEACN	KM14.4	0	0		
A2845	MW	280.			ES		Y10452	21	& 89	PEACN	KM14.4	0	0		
A2739	MW	237.			ES			21	& 89	PEACN	KM14.4	0	0		
A2738	MW	275.			ES			21	& 89	PEACN	KM14.4	0	0		
A2828	MW	291.			ES		Y10439	21	& 89	PEACN	KM14.4	0	0		
A2805	MW	275.			ES			21	& 89	PEACN	KM14.4	0	0		
A2833	MW	331.			ES		Y10443	21	& 89	PEACN	KM14.4	0	0		
A2794	MW	287.			ES		Y10416	21	& 89	PEACN	KM14.4	0	0		
A2871	MW	293.			ES		Y10475	21	& 89	PEACN	KM14.4	0	0		
A2829	MW	257.			ES		Y10440	21	& 89	PEACN	KM14.4	0	0		
A2763	MW	255.			ES		Y10383	21	& 89	PEACN	KM14.4	0	0		
A2784	MW	231.			ES			21	& 89	PEACN	KM14.4	0	0		
A2862	MW	283.			ES		Y10468	21	& 89	PEACN	KM14.4	0	0		
A2835	MW	344.			ES		Y10445	21	& 89	PEACN	KM14.4	0	0		
A2823	MW	278.			ES		Y10434	21	& 89	PEACN	KM14.4	0	0		
A2827	MW	265.			ES		Y10438	21	& 89	PEACN	KM14.4	0	0		
A2743	MW	279.			ES		Y10373	21	& 89	PEACN	KM14.4	0	0		
A2844	MW	258.			ES		Y10451	21	& 89	PEACN	KM14.4	0	0		
A2821	MW	283.			ES		Y10432	21	& 89	PEACN	KM14.4	0	0		
A2747	MW	281.			ES		Y10377	21	& 89	PEACN	KM14.4	0	0		
A2886	MW	257.			ES			21	& 89	PEACN	KM14.5	0	0		

A2730	MW	279.			ES		Y10389	21	& 89	PEACN	KM14.5	0	0		
A2700	MW	273.			ES			21	& 89	PEACN	KM14.5	0	0		
A2737	MW	291.	14		ES			21	& 89	PEACN	KM14.5	1	0	ST-10 (CHIR-6 GAST-	
A2694	MW	336.			ES			21	& 89	PEACN	KM14.5	0	0		
A2715	MW	317			ES		Y10358	21	& 89	PEACN	KM14.5	0	0		
A2706	MW	304.			ES		Y10352	21	& 89	PEACN	KM14.5	0	0		
A2724	MW	311.			ES		Y10365	21	& 89	PEACN	KM14.5	0	0		
A2703	MW	333.			ES		Y10347	21	& 89	PEACN	KM14.5	0	0		
A2733	MW	331.			ES		Y10372	21	& 89	PEACN	KM14.5	0	0		
A2735	MW	296.	4		ES			21	& 89	PEACN	KM14.5	1	0	ST-5 (UNID-5) NO T	
A2709	MW	280.			ES		Y10353	21	& 89	PEACN	KM14.5	0	0		
A2717	MW	270.			ES		Y10360	21	& 89	PEACN	KM14.5	0	0		
A2706	MW	234.			ES		Y10350	21	& 89	PEACN	KM14.5	0	0		
A2721	MW	238.			ES			21	& 89	PEACN	KM14.5	0	0		
A2705	MW	289.			ES		Y10349	21	& 89	PEACN	KM14.5	0	0		
A2736	MW	296.	4		ES			21	& 89	PEACN	KM14.5	1	0	ST-5 (CHIR-3 UNID-2	
A2707	MW	312			ES		Y10351	21	& 89	PEACN	KM14.5	0	0		
A2701	MW	254.			ES		Y10345	21	& 89	PEACN	KM14.5	0	0		
A2714	MW	231			ES		Y10357	21	& 89	PEACN	KM14.5	0	0		
A2887	MW	297			ES			21	& 89	PEACN	KM14.5	0	0		
A2702	MW	319			ES		Y10346	21	& 89	PEACN	KM14.5	0	0		
A2836	MW	239.			ES			21	& 89	PEACN	KM14.5	0	0		
A2889	MW	260.			ES			21	& 89	PEACN	KM14.5	0	0		
A2896	MW	294.			ES			21	& 89	PEACN	KM14.5	0	0		
A2704	MW	297.			ES		Y10348	21	& 89	PEACN	KM14.5	0	0		
A 928	MW	258.			ES			14	& 89	PEACN	KM14.7	0	0		
A 881	MW	353.			ES		Y 9111	14	& 89	PEACN	KM14.7	0	0		
A 917	MW	256.			ES			14	& 89	PEACN	KM14.7	0	0		
A 907	MW	264.			ES		Y 9124	14	& 89	PEACN	KM14.7	0	0		
A 676	MW	254.			ES		Y 8953	13	& 89	PEACN	KM14.7	0	0		
A 915	MW	270.			ES		Y 9086	14	& 89	PEACN	KM14.7	0	0		
A 665	MW	280.			ES		Y 8942	13	& 89	PEACN	KM14.7	0	0		
A 672	MW	260.			ES		Y 8949	13	& 89	PEACN	KM14.7	0	0		
A 883	MW	320.			ES		Y 9106	14	& 89	PEACN	KM14.7	0	0		
A 894	MW	303.			ES		Y 9113	14	& 89	PEACN	KM14.7	0	0		
A 933	MW	302.			ES			14	& 89	PEACN	KM14.7	0	0		
A 938	MW	283.			ES			14	& 89	PEACN	KM14.7	0	0		
A 918	MW	287.			ES			14	& 89	PEACN	KM14.7	0	0		
A 886	MW	216.			ES			14	& 89	PEACN	KM14.7	0	0		
A 934	MW	321.			ES			14	& 89	PEACN	KM14.7	0	0		
A 662	MW	267.			ES		Y 8940	13	& 89	PEACN	KM14.7	0	0		
A 924	MW	315.			ES		Y 9089	14	& 89	PEACN	KM14.7	0	0		
A 897	MW	263.			ES		Y 9115	14	& 89	PEACN	KM14.7	0	0		
A 921	MW	223.			ES			14	& 89	PEACN	KM14.7	0	0		
A 895	MW	272.			ES		Y 9114	14	& 89	PEACN	KM14.7	0	0		
A 845	MW	310.			ES			13	& 89	PEACN	KM14.7	0	0		
A 880	MW	255.			ES			14	& 89	PEACN	KM14.7	0	0		
A 920	MW	295			ES		Y 9088	14	& 89	PEACN	KM14.7	0	0		
A 660	MW	283.			ES			13	& 89	PEACN	KM14.7	0	0		
A 658	MW	287			ES		Y 8938	13	& 89	PEACN	KM14.7	0	0		
A 652	MW	335			ES		Y 8933	13	& 89	PEACN	KM14.7	0	0		
A 674	MW	317			ES		Y 8951	13	& 89	PEACN	KM14.7	0	0		
A 937	MW	305			ES		Y 9156	14	& 89	PEACN	KM14.7	0	0		
A 684	MW	235.			ES			13	& 89	PEACN	KM14.7	0	0		
A 881	MW	257			ES		Y 9107	14	& 89	PEACN	KM14.7	0	0		
A 922	MW	297.			ES			14	& 89	PEACN	KM14.7	0	0		
A 885	MW	296.			ES		Y 9083	14	& 89	PEACN	KM14.7	0	0		
A 851	MW	287.			ES		Y 8932	13	& 89	PEACN	KM14.7	0	0		
A 883	MW	284.			ES		Y 9082	14	& 89	PEACN	KM14.7	0	0		
A 927	MW	259.			ES		Y 9091	14	& 89	PEACN	KM14.7	0	0		

A 898	MW	254.						ES		Y 8970	13	& 89	PEACN	KM14.3	0	0			
A 817	MW	307.						ES		Y 9035	13	& 89	PEACN	KM14.3	0	0			
A 759	MW	258.						ES		Y 7988	13	& 89	PEACN	KM14.3	0	0			
A 809	MW	354.						ES		Y 9029	13	& 89	PEACN	KM14.3	0	0			
A 768	MW	296.						ES		Y 7982	13	& 89	PEACN	KM14.3	0	0			
A 836	MW	303.						ES		Y 9054	13	& 89	PEACN	KM14.3	0	0			
A 797	MW	290.						ES		Y 9018	13	& 89	PEACN	KM14.3	0	0	PREVIOUSLY TAGGED		
A 780	MW	305.						ES		Y 7989	13	& 89	PEACN	KM14.3	0	0			
A 893	MW	213.						ES			13	& 89	PEACN	KM14.3	0	0			
A 690	MW	259.						ES			13	& 89	PEACN	KM14.3	0	0			
A 742	MW	315.						ES		Y 7976	13	& 89	PEACN	KM14.3	0	0			
A 766	MW	304.						ES			13	& 89	PEACN	KM14.3	0	0			
A 835	MW	289.						ES		Y 9053	13	& 89	PEACN	KM14.3	0	0			
A 852	MW	296.						ES		Y 9068	13	& 89	PEACN	KM14.3	0	0			
A 701	MW	220.						ES			13	& 89	PEACN	KM14.3	0	0			
A 702	MW	269.						ES		Y 8971	13	& 89	PEACN	KM14.3	0	0			
A 782	MW	247.						ES			13	& 89	PEACN	KM14.3	0	0			
A 787	MW	242.						ES			13	& 89	PEACN	KM14.3	0	0			
A 708	MW	250.						ES		Y.8978	13	& 89	PEACN	KM14.3	0	0			
A 804	MW	307.						ES		Y 9025	13	& 89	PEACN	KM14.3	0	0			
A 744	MW	250.						ES			13	& 89	PEACN	KM14.3	0	0			
A 737	MW	250.	206.	11		3	SC	ES			13	& 89	PEACN	KM14.3	1	0	ST15(10CHIR,SEPHEM)		
A 853	MW	256.						ES		Y 9070	13	& 89	PEACN	KM14.3	0	0			
A 734	MW	256.	242.	4		5	SC	ES			13	& 89	PEACN	KM14.3	1	0	ST15(15CHIR)NO TRI.		
A 811	MW	284.						ES		Y 9031	13	& 89	PEACN	KM14.3	0	0			
A 777	MW	270.						ES			13	& 89	PEACN	KM14.3	0	0			
A 795	MW	294.						ES		Y 9016	13	& 89	PEACN	KM14.3	0	0			
A 779	MW	294.						ES		Y 9001	13	& 89	PEACN	KM14.3	0	0			
A 882	MW	314.						ES		Y 8985	13	& 89	PEACN	KM14.3	0	0			
A 848	MW	289.						ES		Y 9085	13	& 89	PEACN	KM14.3	0	0			
A 831	MW	318.						ES		Y 9049	13	& 89	PEACN	KM14.3	0	0			
A 838	MW	307.						ES		Y 9056	13	& 89	PEACN	KM14.3	0	0			
A 828	MW	296.						ES		Y 9046	13	& 89	PEACN	KM14.3	0	0			
A 778	MW	267.						ES		Y 9000	13	& 89	PEACN	KM14.3	0	0			
A 726	MW	260.						ES		Y 8985	13	& 89	PEACN	KM14.3	0	0			
A 706	MW	263.						ES		Y 8975	13	& 89	PEACN	KM14.3	0	0			
A 756	MW	315.						ES			13	& 89	PEACN	KM14.3	0	0			
A 807	MW	268.						ES		Y 9027	13	& 89	PEACN	KM14.3	0	0			
A 707	MW	251.						ES		Y 8976	13	& 89	PEACN	KM14.3	0	0			
A 782	MW	307.						ES		Y 9004	13	& 89	PEACN	KM14.3	0	0			
A 819	MW	283.						ES		Y 9037	13	& 89	PEACN	KM14.3	0	0			
A 747	MW	337.						ES		Y 7981	13	& 89	PEACN	KM14.3	0	0			
A 841	MW	286.						ES		Y 9058	13	& 89	PEACN	KM14.3	0	0			
A 837	MW	301.						ES		Y 9055	13	& 89	PEACN	KM14.3	0	0			
A 844	MW	285.						ES		Y 9061	13	& 89	PEACN	KM14.3	0	0			
A 823	MW	300.						ES		Y 9041	13	& 89	PEACN	KM14.3	0	0			
A 800	MW	326.						ES		Y 9021	13	& 89	PEACN	KM14.3	0	0			
A 719	MW	267.						ES			13	& 89	PEACN	KM14.3	0	0			
A 847	MW	317.						ES		Y 9084	13	& 89	PEACN	KM14.3	0	0			
A 774	MW	323.						ES		Y 7998	13	& 89	PEACN	KM14.3	0	0			
A 824	MW	318.						ES		Y 9042	13	& 89	PEACN	KM14.3	0	0			
A 750	MW	265.						ES		Y 7962	13	& 89	PEACN	KM14.3	0	0			
A 739	MW	340.						ES			13	& 89	PEACN	KM14.3	0	0			
A 735	MW	240.	202.	11		3	SC	ES			13	& 89	PEACN	KM14.3	1	0	ST15(15CHIR)		
A 748	MW	314.						ES			13	& 89	PEACN	KM14.3	0	0			
A 703	MW	307.						ES		Y 8972	13	& 89	PEACN	KM14.3	0	0			
A 712	MW	249.						ES		Y 8981	13	& 89	PEACN	KM14.3	0	0			
A 741	MW	381.						ES		Y 7977	13	& 89	PEACN	KM14.3	0	0			
A 806	MW	318.						ES		Y 9028	13	& 89	PEACN	KM14.3	0	0			
A 830	MW	286.						ES		Y 9048	13	& 89	PEACN	KM14.3	0	0			

A 832	MW	278.						ES		Y 9050	13	& 89	PEACN	KM14.3	0	0			
A 746	MW	294.						ES		Y 7980	13	& 89	PEACN	KM14.3	0	0			
A 755	MW	293.						ES		Y 7986	13	& 89	PEACN	KM14.3	0	0			
A 856	MW	253.						ES			13	& 89	PEACN	KM14.3	1	0			
A 886	MW	283.						ES			13	& 89	PEACN	KM14.3	0	0			
A 851	MW	280.						ES		Y 9068	13	& 89	PEACN	KM14.3	0	0			
A 789	MW	316.						ES		Y 7993	13	& 89	PEACN	KM14.3	0	0			
A 754	MW	324.						ES		Y 7965	13	& 89	PEACN	KM14.3	0	0			
A 786	MW	311.						ES		Y 9010	13	& 89	PEACN	KM14.3	0	0			
A 825	MW	280.						ES			13	& 89	PEACN	KM14.3	0	0			
A 757	MW	274.						ES			13	& 89	PEACN	KM14.3	0	0			
A 891	MW	280.						ES			13	& 89	PEACN	KM14.3	0	0			
A 763	MW	335.						ES		Y 9005	13	& 89	PEACN	KM14.3	0	0			
A 829	MW	280.						ES		Y 9047	13	& 89	PEACN	KM14.3	0	0			
A 815	MW	285.						ES		Y 9034	13	& 89	PEACN	KM14.3	0	0			
A2810	MW	289.						ES		Y10423	21	& 89	PEACN	KM14.4	0	0			
A2832	MW	235.						ES			21	& 89	PEACN	KM14.4	0	0			
A2771	MW	300.						ES		Y10399	21	& 89	PEACN	KM14.4	0	0			
A2754	MW	250.						ES		Y10384	21	& 89	PEACN	KM14.4	0	0			
A2855	MW	304.						ES			21	& 89	PEACN	KM14.4	0	0			
A2761	MW	256						ES		Y10391	21	& 89	PEACN	KM14.4	0	0			
A2758	MW	340.						ES		Y10388	21	& 89	PEACN	KM14.4	0	0			
A2817	MW	279.						ES		Y10429	21	& 89	PEACN	KM14.4	0	0			
A2850	MW	320.						ES		Y10457	21	& 89	PEACN	KM14.4	0	0			
A2864	MW	274.						ES			21	& 89	PEACN	KM14.4	0	0			
A2814	MW	288.						ES		Y10426	21	& 89	PEACN	KM14.4	0	0			
A2775	MW	286.						ES			21	& 89	PEACN	KM14.4	0	0			
A2882	MW	271.						ES		Y10482	21	& 89	PEACN	KM14.4	0	0			
A2847	MW	312.						ES		Y10464	21	& 89	PEACN	KM14.4	0	0			
A2860	MW	303.						ES		Y10460	21	& 89	PEACN	KM14.4	0	0			
A2881	MW	310.						ES		Y10481	21	& 89	PEACN	KM14.4	0	0			
A2820	MW	285.						ES		Y10431	21	& 89	PEACN	KM14.4	0	0			
A2764	MW	276.						ES		Y10396	21	& 89	PEACN	KM14.4	0	0			
A2812	MW	263.						ES			21	& 89	PEACN	KM14.4	0	0			
A2808	MW	237.						ES			21	& 89	PEACN	KM14.4	0	0			
A2858	MW	261.						ES		Y10462	21	& 89	PEACN	KM14.4	0	0			
A2843	MW	317.						ES		Y10450	21	& 89	PEACN	KM14.4	0	0			
A2858	MW	304.						ES		Y10464	21	& 89	PEACN	KM14.4	0	0			
A2785	MW	285.						ES		Y10394	21	& 89	PEACN	KM14.4	0	0			
A2873	MW	326.						ES		Y10477	21	& 89	PEACN	KM14.4	0	0			
A2859	MW	266.						ES		Y10466	21	& 89	PEACN	KM14.4	0	0			
A2764	MW	304.						ES			21	& 89	PEACN	KM14.4	0	0			
A2774	MW	264.						ES			21	& 89	PEACN	KM14.4	0	0			
A2848	MW	306.						ES		Y10453	21	& 89	PEACN	KM14.4	0	0			
A2744	MW	253.						ES		Y10374	21	& 89	PEACN	KM14.4	0	0			
A2830	MW	264.						ES		Y10441	21	& 89	PEACN	KM14.4	0	0			
A2848	MW	313.						ES		Y10455	21	& 89	PEACN	KM14.4	0	0			
A2761	MW	270.						ES		Y10406	21	& 89	PEACN	KM14.4	0	0			
A2864	MW	338.						ES		Y10472	21	& 89	PEACN	KM14.4	0	0			
A2813	MW	305.						ES			21	& 89	PEACN	KM14.4	0	0			
A2818	MW	253.						ES		Y10430	21	& 89	PEACN	KM14.4	0	0			
A2824	MW	308.						ES		Y10435	21	& 89	PEACN	KM14.4	0	0			
A2837	MW	311.						ES		Y10447	21	& 89	PEACN	KM14.4	0	0			
A2812	MW	260.						ES		Y10425	21	& 89	PEACN	KM14.4	0	0			
A2851	MW	330.						ES		Y10458	21	& 89	PEACN	KM14.4	0	0			
A2870	MW	290.						ES		Y10474	21	& 89	PEACN	KM14.4	0	0			
A2834	MW	255.						ES		Y10444	21	& 89	PEACN	KM14.4	0	0			
A2868	MW	257.						ES		Y10470	21	& 89	PEACN	KM14.4	0	0			
A2863	MW	244.						ES		Y10469	21	& 89	PEACN	KM14.4	0	0			
A2741	MW	271.						ES			21	& 89	PEACN	KM14.4	0	0			

A	25	MW	283.					ES			9	&	89	PEACN	KM14.0	1	0	
A	48	MW	284.					ES		Y 8488	9	&	89	PEACN	KM14.0	0	0	
A	111	MW	283.					ES			10	&	89	PEACN	KM14.0	0	0	
A	115	MW	268.					ES			10	&	89	PEACN	KM14.0	0	0	
A	127	MW	290.					ES		Y 8540	10	&	89	PEACN	KM14.0	0	0	
A	121	MW	306.					ES		Y 8537	10	&	89	PEACN	KM14.0	0	0	
A	1	MW	297.					ES		Y 8472	9	&	89	PEACN	KM14.0	0	0	
A	27	MW	255.					ES		Y 8507	9	&	89	PEACN	KM14.0	0	0	
A	21	MW	283.					ES			9	&	89	PEACN	KM14.0	0	0	
A	141	MW	307.					ES		Y 8555	10	&	89	PEACN	KM14.0	0	0	
A	30	MW	317.					ES		Y 8480	9	&	89	PEACN	KM14.0	0	0	
A	24	MW	304.					ES		Y 8505	9	&	89	PEACN	KM14.0	0	0	
A	114	MW	375.					ES			10	&	89	PEACN	KM14.0	0	0	
A	17	MW	270.					ES			9	&	89	PEACN	KM14.0	0	0	
A	128	MW	260.					ES		Y 8550	10	&	89	PEACN	KM14.0	0	0	
A	49	MW	285.					ES		Y 8513	9	&	89	PEACN	KM14.0	0	0	
A	20	MW	298.					ES			9	&	89	PEACN	KM14.0	0	0	
A	7	MW	270.					ES		Y 5238	9	&	89	PEACN	KM14.0	0	0	
A	41	MW	290.					ES		Y 8515	9	&	89	PEACN	KM14.0	0	0	
A	133	MW	292.					ES		Y 8543	10	&	89	PEACN	KM14.0	0	0	
A	43	MW	244.					ES			9	&	89	PEACN	KM14.0	0	0	
A	124	MW	347.					ES		Y 8559	10	&	89	PEACN	KM14.0	0	0	
A	112	MW	345.					ES			10	&	89	PEACN	KM14.0	0	0	
A	119	MW	333.					ES		Y 8538	10	&	89	PEACN	KM14.0	0	0	
A	36	MW	337.					ES		Y 8512	9	&	89	PEACN	KM14.0	0	0	
A	146	MW	270.					ES		Y 8549	10	&	89	PEACN	KM14.0	0	0	
A	15	MW	245.					ES			9	&	89	PEACN	KM14.0	0	0	
A	5	MW	306.					ES		Y 8476	9	&	89	PEACN	KM14.0	0	0	
A	109	MW	263.					ES			10	&	89	PEACN	KM14.0	0	0	
A	32	MW	336.					ES		Y 8510	9	&	89	PEACN	KM14.0	0	0	
A	139	MW	296.					ES		Y 8584	10	&	89	PEACN	KM14.0	0	0	
A	4	MW	303.					ES		Y 8475	9	&	89	PEACN	KM14.0	0	0	
A	137	MW	275.					ES		Y 8583	10	&	89	PEACN	KM14.0	0	0	
A	113	MW	309.					ES			10	&	89	PEACN	KM14.0	0	0	
A	22	MW	300.					ES		Y 8504	9	&	89	PEACN	KM14.0	0	0	
A	125	MW	318.					ES		Y 8539	10	&	89	PEACN	KM14.0	0	0	
A	117	MW	280.					ES			10	&	89	PEACN	KM14.0	0	0	
A	840	MW	270.					ES		Y 9057	13	&	89	PEACN	KM14.3	0	0	
A	756	MW	409.					ES		Y 7987	13	&	89	PEACN	KM14.3	0	0	
A	827	MW	277.					ES		Y 9045	13	&	89	PEACN	KM14.3	0	0	
A	838	MW	260.					ES			13	&	89	PEACN	KM14.3	0	0	
A	791	MW	300.					ES		Y 9013	13	&	89	PEACN	KM14.3	0	0	
A	689	MW	252.					ES			13	&	89	PEACN	KM14.3	0	0	
A	696	MW	273.					ES		Y 8867	13	&	89	PEACN	KM14.3	0	0	
A	833	MW	277.					ES		Y 9061	13	&	89	PEACN	KM14.3	0	0	
A	816	MW	241.					ES			13	&	89	PEACN	KM14.3	0	0	
A	751	MW	321.					ES			13	&	89	PEACN	KM14.3	0	0	
A	704	MW	330.					ES		Y 8873	13	&	89	PEACN	KM14.3	0	0	
A	818	MW	235.					ES		Y 9038	13	&	89	PEACN	KM14.3	0	0	
A	752	MW	339.					ES		Y 7983	13	&	89	PEACN	KM14.3	0	0	
A	784	MW	251.					ES		Y 9006	13	&	89	PEACN	KM14.3	0	0	
A	770	MW	274.					ES		Y 7894	13	&	89	PEACN	KM14.3	0	0	
A	793	MW	321.					ES		Y 9015	13	&	89	PEACN	KM14.3	0	0	
A	776	MW	320.					ES		Y 7989	13	&	89	PEACN	KM14.3	0	0	
A	785	MW	280.					ES		Y 9007	13	&	89	PEACN	KM14.3	0	0	
A	786	MW	305.					ES		Y 9008	13	&	89	PEACN	KM14.3	0	0	
A	781	MW	296.					ES			13	&	89	PEACN	KM14.3	0	0	
A	813	MW	284.					ES		Y 9033	13	&	89	PEACN	KM14.3	0	0	
A	738	MW	328.					ES			13	&	89	PEACN	KM14.3	0	0	
A	846	MW	319.					ES		Y 9063	13	&	89	PEACN	KM14.3	0	0	

A	857	MW	250.					ES			13	&	89	PEACN	KM14.3	1	0	
A	842	MW	282.					ES		Y 9058	13	&	89	PEACN	KM14.3	0	0	
A	845	MW	324.					ES		Y 9062	13	&	89	PEACN	KM14.3	0	0	
A	812	MW	303.					ES		Y 9032	13	&	89	PEACN	KM14.3	0	0	
A	805	MW	242.					ES			13	&	89	PEACN	KM14.3	0	0	
A	715	MW	271.					ES		Y 8884	13	&	89	PEACN	KM14.3	0	0	
A	806	MW	312.					ES		Y 8026	13	&	89	PEACN	KM14.3	0	0	
A	780	MW	269.					ES		Y 8002	13	&	89	PEACN	KM14.3	0	0	
A	723	MW	254.					ES		Y 8891	13	&	89	PEACN	KM14.3	0	0	
A	799	MW	335.					ES		Y 9020	13	&	89	PEACN	KM14.3	0	0	
A	743	MW	365.					ES		Y 7979	13	&	89	PEACN	KM14.3	0	0	
A	753	MW	299.					ES		Y 7984	13	&	89	PEACN	KM14.3	0	0	
A	820	MW	345.					ES		Y 9038	13	&	89	PEACN	KM14.3	0	0	
A	796	MW	322.					ES		Y 8017	13	&	89	PEACN	KM14.3	0	0	
A	587	MW	242.					ES			13	&	89	PEACN	KM14.3	0	0	
A	822	MW	293.					ES		Y 8040	13	&	89	PEACN	KM14.3	0	0	
A	855	MW	330.					ES			13	&	89	PEACN	KM14.3	1	0	
A	798	MW	272.					ES		Y 8018	13	&	89	PEACN	KM14.3	0	0	
A	850	MW	286.					ES		Y 9066	13	&	89	PEACN	KM14.3	0	0	
A	714	MW	274.					ES		Y 8883	13	&	89	PEACN	KM14.3	0	0	
A	764	MW	385.					ES		Y 7990	13	&	89	PEACN	KM14.3	0	0	
A	773	MW	299.					ES		Y 7997	13	&	89	PEACN	KM14.3	0	0	
A	859	MW	311.					ES			13	&	89	PEACN	KM14.3	0	0	
A	834	MW	271.					ES		Y 9052	13	&	89	PEACN	KM14.3	0	0	
A	771	MW	320.					ES		Y 7995	13	&	89	PEACN	KM14.3	0	0	
A	858	MW	307.					ES			13	&	89	PEACN	KM14.3	1	0	
A	854	MW	311.					ES			13	&	89	PEACN	KM14.3	0	0	
A	721	MW	270.					ES		Y 8889	13	&	89	PEACN	KM14.3	0	0	
A	894	MW	287.					ES		Y 8864	13	&	89	PEACN	KM14.3	0	0	
A	745	MW	300.					ES			13	&	89	PEACN	KM14.3	0	0	
A	711	MW	314.					ES		Y 8880	13	&	89	PEACN	KM14.3	0	0	
A	625	MW	301.					ES		Y 9044	13	&	89	PEACN	KM14.3	0	0	
A	849	MW	325.					ES		Y 9067	13	&	89	PEACN	KM14.3	0	0	
A	803	MW	302.					ES		Y 9024	13	&	89	PEACN	KM14.3	0	0	
A	772	MW	287.					ES		Y 7996	13	&	89	PEACN	KM14.3	0	0	
A	705	MW	304.					ES		Y 8974	13	&	89	PEACN	KM14.3	0	0	
A	775	MW	327.					ES			13	&	89	PEACN	KM14.3	0	0	
A	790	MW	261.					ES		Y 9012	13	&	89	PEACN	KM14.3	0	0	
A	792	MW	256.					ES		Y 9014	13	&	89	PEACN	KM14.3	0	0	
A	700	MW	309.					ES			13	&	89	PEACN	KM14.3	0	0	
A	688	MW	317.					ES		Y 8963	13	&	89	PEACN	KM14.3	0	0	
A	788	MW	309.					ES		Y 9011	13	&	89	PEACN	KM14.3	0	0	
A	727	MW	219.					ES			13	&	89	PEACN	KM14.3	0	0	
A	736	MW	283.	272.	14	4	SC	ES			13	&	89	PEACN	KM14.3	1	0	ST15(15CHIR) NO TRI
A	814	MW	219.					ES			13	&	89	PEACN	KM14.3	0	0	
A	821	MW	335.					ES		Y 9039	13	&	89	PEACN	KM14.3	0	0	
A	783	MW	333.					ES			13	&	89	PEACN	KM14.3	0	0	
A	765	MW	300					ES		Y 7991	13	&	89	PEACN	KM14.3	0	0	
A	710	MW	283.					ES		Y 8979	13	&	89	PEACN	KM14.3	0	0	
A	699	MW	297.					ES		Y 8869	13	&	89	PEACN	KM14.3	0	0	
A	843	MW	255.					ES		Y 9060	13	&	89	PEACN	KM14.3	0	0	
A	740	MW	270.					ES		Y 7976	13	&	89	PEACN	KM14.3	0	0	
A	749	MW	329.					ES			13	&	89	PEACN	KM14.3	0	0	
A	810	MW	305.					ES		Y 9030	13	&	89	PEACN	KM14.3	0	0	
A	787	MW	319.					ES		Y 9009	13	&	89	PEACN	KM14.3	0	0	
A	713	MW	292.					ES		Y 8982	13	&	89	PEACN	KM14.3	0	0	
A	718	MW	276.					ES		Y 8987	13	&	89	PEACN	KM14.3	0	0	
A	801	MW	325.					ES		Y 9022	13	&	89	PEACN	KM14.3	0	0	
A	716	MW	283.					ES		Y 8986	13	&	89	PEACN	KM14.3	0	0	
A	802	MW	286.					ES		Y 9023	13	&	89	PEACN	KM14.3	0	0	

A	100	MW	241.						ES			9	&	&9	PEACN	KM13.9	0	0
A	157	MW	344.						ES		Y &661	10	&	&9	PEACN	KM13.9	0	0
A	70	MW	318.						ES			9	&	&9	PEACN	KM13.9	0	0
A	349	MW	340.						ES		Y &530	12	&	&9	PEACN	KM13.9	0	0
A	382	MW	252.						ES		Y &744	12	&	&9	PEACN	KM13.9	0	0
A	341	MW	279.						ES		Y &731	12	&	&9	PEACN	KM13.9	0	0
A	149	MW	501.						ES		Y &670	10	&	&9	PEACN	KM13.9	0	0
A	383	MW	302.						ES		Y &737	12	&	&9	PEACN	KM13.9	0	0
A	363	MW	321.						ES		Y &535	12	&	&9	PEACN	KM13.9	0	0
A	57	MW	336.						ES			9	&	&9	PEACN	KM13.9	0	0
A	151	MW	445.						ES		Y &675	10	&	&9	PEACN	KM13.9	0	0
A	371	MW	274.						ES		Y &749	12	&	&9	PEACN	KM13.9	0	0
A	346	MW	321.						ES		Y &529	12	&	&9	PEACN	KM13.9	0	0
A	160	MW	362.						ES		Y &664	10	&	&9	PEACN	KM13.9	0	0
A	364	MW	310.						ES		Y &745	12	&	&9	PEACN	KM13.9	0	0
A	156	MW	340.						ES		Y &680	10	&	&9	PEACN	KM13.9	0	0
A	84	MW	322.						ES		Y &625	9	&	&9	PEACN	KM13.9	0	0
A	377	MW	264.						ES		Y &752	12	&	&9	PEACN	KM13.9	0	0
A	87	MW	318.						ES		Y &673	9	&	&9	PEACN	KM13.9	0	0
A	171	MW	265.						ES		Y &694	10	&	&9	PEACN	KM13.9	0	0
A	361	MW	285.						ES		Y &534	12	&	&9	PEACN	KM13.9	0	0
A	333	MW	303.						ES		Y &728	12	&	&9	PEACN	KM13.9	0	0
A	78	MW	280.						ES		Y &497	9	&	&9	PEACN	KM13.9	0	0
A	174	MW	265.						ES		Y &697	10	&	&9	PEACN	KM13.9	0	0
A	329	MW	285.						ES		Y &524	12	&	&9	PEACN	KM13.9	0	0
A	173	MW	367.						ES		Y &696	10	&	&9	PEACN	KM13.9	0	0
A	46	MW	276.						ES		Y &674	9	&	&9	PEACN	KM13.9	0	0
A	89	MW	306.						ES			9	&	&9	PEACN	KM13.9	0	0
A	164	MW	395.						ES		Y &687	10	&	&9	PEACN	KM13.9	0	0
A	80	MW	300.						ES		Y &496	9	&	&9	PEACN	KM13.9	0	0
A	357	MW	362.						ES		Y &740	12	&	&9	PEACN	KM13.9	0	0
A	163	MW	326.						ES		Y &686	10	&	&9	PEACN	KM13.9	0	0
A	168	MW	295.						ES		Y &691	10	&	&9	PEACN	KM13.9	0	0
A	58	MW	361.						ES			9	&	&9	PEACN	KM13.9	0	0
A	64	MW	281.						ES		Y &490	9	&	&9	PEACN	KM13.9	0	0
A	368	MW	271.						ES		Y &747	12	&	&9	PEACN	KM13.9	0	0
A	99	MW	277.						ES		Y &632	9	&	&9	PEACN	KM13.9	0	0
A	86	MW	298.						ES		Y &630	9	&	&9	PEACN	KM13.9	0	0
A	90	MW	320.						ES		Y &626	9	&	&9	PEACN	KM13.9	0	0
A	76	MW	321.						ES		Y &621	9	&	&9	PEACN	KM13.9	0	0
A	172	MW	320.						ES		Y &695	10	&	&9	PEACN	KM13.9	0	0
A	101	MW	270.						ES		Y &654	9	&	&9	PEACN	KM13.9	0	0
A	72	MW	457.						ES		Y &620	9	&	&9	PEACN	KM13.9	0	0
A	348	MW	273.						ES		Y &734	12	&	&9	PEACN	KM13.9	0	0
A	91	MW	256.						ES		Y &672	9	&	&9	PEACN	KM13.9	0	0
A	79	MW	311.						ES		Y &622	9	&	&9	PEACN	KM13.9	0	0
A	361	MW	257.						ES		Y &736	12	&	&9	PEACN	KM13.9	0	0
A	158	MW	347.						ES		Y &662	10	&	&9	PEACN	KM13.9	0	0
A	330	MW	312.						ES		Y &725	12	&	&9	PEACN	KM13.9	0	0
A	175	MW	295.						ES		Y &698	10	&	&9	PEACN	KM13.9	0	0
A	75	MW	277.						ES		Y &495	9	&	&9	PEACN	KM13.9	0	0
A	347	MW	300.						ES		Y &733	12	&	&9	PEACN	KM13.9	0	0
A	88	MW	331.						ES		Y &491	9	&	&9	PEACN	KM13.9	0	0
A	334	MW	287.						ES		Y &729	12	&	&9	PEACN	KM13.9	0	0
A	370	MW	330.						ES		Y &748	12	&	&9	PEACN	KM13.9	0	0
A	94	MW	296.						ES		Y &653	9	&	&9	PEACN	KM13.9	0	0
A	356	MW	282.						ES		Y &739	12	&	&9	PEACN	KM13.9	0	0
A	374	MW	307.						ES		Y &750	12	&	&9	PEACN	KM13.9	0	0
A	83	MW	322.						ES		Y &624	9	&	&9	PEACN	KM13.9	0	0
A	385	MW	331.						ES		Y &636	12	&	&9	PEACN	KM13.9	0	0

A	166	MW	314.						ES		Y &655	10	&	&9	PEACN	KM13.9	0	0	
A	88	MW	336.						ES		Y &627	9	&	&9	PEACN	KM13.9	0	0	
A	375	MW	243.						ES			12	&	&9	PEACN	KM13.9	0	0	
A	360	MW	335.						ES		Y &743	12	&	&9	PEACN	KM13.9	0	0	
A	55	MW	291.						ES			9	&	&9	PEACN	KM13.9	0	0	
A	182	MW	304.	382.	14		5	SC	ES			10	&	&9	PEACN	KM13.9	1	0	ST10(&CHIR,2TRICH)
A	155	MW	290.						ES		Y &678	10	&	&9	PEACN	KM13.9	0	0	
A	367	MW	308.						ES		Y &746	12	&	&9	PEACN	KM13.9	0	0	
A	159	MW	318.						ES		Y &683	10	&	&9	PEACN	KM13.9	0	0	
A	331	MW	270.						ES			12	&	&9	PEACN	KM13.9	0	0	
A	92	MW	286.						ES		Y &629	9	&	&9	PEACN	KM13.9	0	0	
A	335	MW	294.						ES			12	&	&9	PEACN	KM13.9	0	0	
A	345	MW	309.						ES		Y &732	12	&	&9	PEACN	KM13.9	0	0	
A	170	MW	303.						ES		Y &693	10	&	&9	PEACN	KM13.9	0	0	
A	103	MW	300.						ES		Y &633	9	&	&9	PEACN	KM13.9	0	0	
A	358	MW	285.						ES		Y &533	12	&	&9	PEACN	KM13.9	0	0	
A	130	MW	275.						ES		Y &662	10	&	&9	PEACN	KM14.0	0	0	
A	36	MW	216.						ES			9	&	&9	PEACN	KM14.0	0	0	
A	122	MW	278.						ES		Y &658	10	&	&9	PEACN	KM14.0	0	0	
A	131	MW	267.						ES		Y &641	10	&	&9	PEACN	KM14.0	0	0	
A	42	MW	319.						ES		Y &486	9	&	&9	PEACN	KM14.0	0	0	
A	106	MW	265.						ES			10	&	&9	PEACN	KM14.0	0	0	
A	12	MW	383.						ES		Y &602	9	&	&9	PEACN	KM14.0	0	0	
A	15	MW	307.						ES		Y &476	9	&	&9	PEACN	KM14.0	0	0	
A	145	MW	289.						ES		Y &668	10	&	&9	PEACN	KM14.0	0	0	
A	3	MW	289.						ES		Y &474	9	&	&9	PEACN	KM14.0	0	0	
A	34	MW	254.						ES		Y &611	9	&	&9	PEACN	KM14.0	0	0	
A	108	MW	274.						ES			10	&	&9	PEACN	KM14.0	0	0	
A	47	MW	315.						ES		Y &618	9	&	&9	PEACN	KM14.0	0	0	
A	26	MW	331.						ES		Y &606	9	&	&9	PEACN	KM14.0	0	0	
A	118	MW	290.						ES			10	&	&9	PEACN	KM14.0	0	0	
A	132	MW	292.						ES		Y &642	10	&	&9	PEACN	KM14.0	0	0	
A	134	MW	290.						ES		Y &644	10	&	&9	PEACN	KM14.0	0	0	
A	147	MW	254.						ES		Y &669	10	&	&9	PEACN	KM14.0	0	0	
A	116	MW	286.						ES		Y &635	10	&	&9	PEACN	KM14.0	0	0	
A	11	MW	312.						ES		Y &601	9	&	&9	PEACN	KM14.0	0	0	
A	35	MW	325.						ES		Y &482	9	&	&9	PEACN	KM14.0	0	0	
A	45	MW	268.						ES		Y &487	9	&	&9	PEACN	KM14.0	0	0	
A	28	MW	282.						ES		Y &479	9	&	&9	PEACN	KM14.0	0	0	
A	13	MW	310.						ES			9	&	&9	PEACN	KM14.0	0	0	
A	138	MW	319.						ES		Y &646	10	&	&9	PEACN	KM14.0	0	0	
A	31	MW	327.						ES		Y &609	9	&	&9	PEACN	KM14.0	0	0	
A	2	MW	319.						ES		Y &473	9	&	&9	PEACN	KM14.0	0	0	
A	18	MW	290.						ES		Y &603	9	&	&9	PEACN	KM14.0	0	0	
A	126	MW	230.						ES			10	&	&9	PEACN	KM14.0	0	0	
A	33	MW	271.						ES		Y &481	9	&	&9	PEACN	KM14.0	0	0	
A	120	MW	288.						ES		Y &657	10	&	&9	PEACN	KM14.0	0	0	
A	123	MW	286.						ES		Y &638	10	&	&9	PEACN	KM14.0	0	0	
A	37	MW	255.						ES		Y &613	9	&	&9	PEACN	KM14.0	0	0	
A	29	MW	285.						ES		Y &606	9	&	&9	PEACN	KM14.0	0	0	
A	135	MW	361.						ES		Y &651	10	&	&9	PEACN	KM14.0	0	0	
A	129	MW	302.						ES			10	&	&9	PEACN	KM14.0	0	0	
A	9	MW	451.						ES		Y &600	9	&	&9	PEACN	KM14.0	0	0	
A	142	MW	285.						ES		Y &666	10	&	&9	PEACN	KM14.0	0	0	
A	144	MW	281.						ES		Y &667	10	&	&9	PEACN	KM14.0	0	0	
A	23	MW	298.						ES			9	&	&9	PEACN	KM14.0	0	0	
A	14	MW	312.						ES			9	&	&9	PEACN	KM14.0	0	0	
A	39	MW	303.						ES		Y &464	9	&	&9	PEACN	KM14.0	0	0	
A	19	MW	286.						ES			9	&	&9	PEACN	KM14.0	0	0	
A	110	MW	307.						ES			10	&	&9	PEACN	KM14.0	0	0	

University of Alberta

A	394	MW	322.						ES		Y	8543	12	&	89	PEACN	KM13.7	0	0	
A	415	MW	338.						ES		Y	8771	12	&	89	PEACN	KM13.7	0	0	
A	397	MW	245.						ES				12	&	89	PEACN	KM13.7	0	0	
A	393	MW	300.						ES		Y	8780	12	&	89	PEACN	KM13.7	0	0	
A	228	MW	280.						ES		Y	8588	10	&	89	PEACN	KM13.7	0	0	
A	395	MW	357.						ES		Y	8761	12	&	89	PEACN	KM13.7	0	0	
A	388	MW	243.						ES				12	&	89	PEACN	KM13.7	0	0	
A	234	MW	317.						ES		Y	8570	10	&	89	PEACN	KM13.7	0	0	
A	254	MW	384.						ES		Y	8500	10	&	89	PEACN	KM13.7	0	0	
A	405	MW	303.						ES		Y	8787	12	&	89	PEACN	KM13.7	0	0	
A	252	MW	242.						ES				10	&	89	PEACN	KM13.7	0	0	
A	398	MW	295.						ES		Y	8782	12	&	89	PEACN	KM13.7	0	0	
A	406	MW	287.						ES		Y	8647	12	&	89	PEACN	KM13.7	0	0	
A	391	MW	302.						ES		Y	8642	12	&	89	PEACN	KM13.7	0	0	
A	384	MW	282.						ES		Y	8756	12	&	89	PEACN	KM13.7	0	0	
A	232	MW	357.						ES				10	&	89	PEACN	KM13.7	0	0	
A	408	MW	318.						ES		Y	8548	12	&	89	PEACN	KM13.7	0	0	
A	420	MW	300.						ES		Y	8802	12	&	89	PEACN	KM13.7	0	0	
A	229	MW	315.						ES				10	&	89	PEACN	KM13.7	0	0	
A	419	MW	290.						ES		Y	8774	12	&	89	PEACN	KM13.7	0	0	
A	421	MW	205.						ES				12	&	89	PEACN	KM13.7	0	0	
A	392	MW	305.						ES		Y	8758	12	&	89	PEACN	KM13.7	0	0	
A	230	MW	250.						ES		Y	8589	10	&	89	PEACN	KM13.7	0	0	
A	412	MW	343.						ES		Y	8768	12	&	89	PEACN	KM13.7	0	0	
A	231	MW	367.						ES				10	&	89	PEACN	KM13.7	1	0	
A	404	MW	269.						ES		Y	8546	12	&	89	PEACN	KM13.7	0	0	
A	409	MW	246.						ES				12	&	89	PEACN	KM13.7	0	0	
A	411	MW	318.						ES		Y	8648	12	&	89	PEACN	KM13.7	0	0	
A	243	MW	290.						ES		Y	8717	10	&	89	PEACN	KM13.7	0	0	
A	211	MW	284.						ES		Y	8705	10	&	89	PEACN	KM13.8	0	0	
A	198	MW	331.						ES		Y	8704	10	&	89	PEACN	KM13.8	0	0	
A	207	MW	324.						ES		Y	8858	10	&	89	PEACN	KM13.8	0	0	
A	180	MW	291.		14		5	SC	ES				10	&	89	PEACN	KM13.8	1	0	ST16(12CHIR,4UNID)
A	217	MW	301.						ES		Y	8711	10	&	89	PEACN	KM13.8	0	0	
A	197	MW	374.						ES		Y	8861	10	&	89	PEACN	KM13.8	0	0	
A	191	MW	282.		11		4	SC	ES				10	&	89	PEACN	KM13.8	1	0	ST20(16CHIR,2TRICH,
A	209	MW	366.						ES		Y	8707	10	&	89	PEACN	KM13.8	0	0	
A	203	MW	306.						ES		Y	8885	10	&	89	PEACN	KM13.8	0	0	
A	220	MW	230.						ES				10	&	89	PEACN	KM13.8	0	0	
A	202	MW	298.						ES		Y	8705	10	&	89	PEACN	KM13.8	0	0	
A	218	MW	297.						ES		Y	8862	10	&	89	PEACN	KM13.8	0	0	
A	215	MW	244.						ES				10	&	89	PEACN	KM13.8	0	0	
A	183	MW	292.						ES				10	&	89	PEACN	KM13.8	0	0	
A	200	MW	296.						ES		Y	8653	10	&	89	PEACN	KM13.8	0	0	
A	185	MW	268.						ES				10	&	89	PEACN	KM13.8	0	0	
A	214	MW	331.						ES		Y	8710	10	&	89	PEACN	KM13.8	0	0	
A	212	MW	255.						ES		Y	8709	10	&	89	PEACN	KM13.8	0	0	
A	201	MW	287.						ES		Y	8554	10	&	89	PEACN	KM13.8	0	0	
A	199	MW	441.						ES		Y	8552	10	&	89	PEACN	KM13.8	0	0	
A	184	MW	297.						ES				10	&	89	PEACN	KM13.8	0	0	
A	189	MW	278.						ES				10	&	89	PEACN	KM13.8	0	0	
A	192	MW	302.						ES				10	&	89	PEACN	KM13.8	0	0	
A	219	MW	260.						ES		Y	8563	10	&	89	PEACN	KM13.8	0	0	
A	221	MW	272.						ES		Y	8565	10	&	89	PEACN	KM13.8	0	0	
A	213	MW	239.						ES				10	&	89	PEACN	KM13.8	0	0	
A	223	MW	267.						ES		Y	8568	10	&	89	PEACN	KM13.8	0	0	
A	193	MW	310.						ES				10	&	89	PEACN	KM13.8	0	0	
A	204	MW	286.						ES		Y	8556	10	&	89	PEACN	KM13.8	0	0	
A	208	MW	250.						ES		Y	8559	10	&	89	PEACN	KM13.8	0	0	
A	187	MW	299.		14		5	SC	ES				10	&	89	PEACN	KM13.8	1	0	ST16(12CHIR,4UNID)

A	186	MW	265.						ES				10	&	89	PEACN	KM13.8	0	0	
A	206	MW	303.						ES		Y	8708	10	&	89	PEACN	KM13.8	0	0	
A	208	MW	260.						ES		Y	8657	10	&	89	PEACN	KM13.8	0	0	
A	210	MW	297.						ES		Y	8560	10	&	89	PEACN	KM13.8	0	0	
A	186	MW	390.						ES				10	&	89	PEACN	KM13.8	0	0	
A	54	MW	238.						ES				9	&	89	PEACN	KM13.9	0	0	
A	337	MW	311.						ES		Y	8525	12	&	89	PEACN	KM13.9	0	0	
A	97	MW	322.						ES		Y	8631	9	&	89	PEACN	KM13.9	0	0	
A	152	MW	435.						ES		Y	8676	10	&	89	PEACN	KM13.9	0	0	
A	169	MW	302.						ES		Y	8692	10	&	89	PEACN	KM13.9	0	0	
A	372	MW	316.						ES				12	&	89	PEACN	KM13.9	0	0	
A	336	MW	293.						ES		Y	8728	12	&	89	PEACN	KM13.9	0	0	
A	389	MW	322.						ES		Y	8537	12	&	89	PEACN	KM13.9	0	0	
A	376	MW	300.						ES		Y	8751	12	&	89	PEACN	KM13.9	0	0	
A	153	MW	325.						ES		Y	8677	10	&	89	PEACN	KM13.9	0	0	
A	89	MW	325.						ES		Y	8671	9	&	89	PEACN	KM13.9	0	0	
A	167	MW	295.						ES		Y	8690	10	&	89	PEACN	KM13.9	0	0	
A	165	MW	270.						ES		Y	8688	10	&	89	PEACN	KM13.9	0	0	
A	93	MW	277.						ES		Y	8650	9	&	89	PEACN	KM13.9	0	0	
A	74	MW	319.						ES		Y	8494	9	&	89	PEACN	KM13.9	0	0	
A	102	MW	276.						ES		Y	8655	9	&	89	PEACN	KM13.9	0	0	
A	85	MW	307.						ES				9	&	89	PEACN	KM13.9	0	0	
A	355	MW	287.						ES		Y	8738	12	&	89	PEACN	KM13.9	0	0	
A	59	MW	344.						ES				9	&	89	PEACN	KM13.9	0	0	
A	162	MW	315.						ES				10	&	89	PEACN	KM13.9	0	0	
A	339	MW	302.						ES		Y	8730	12	&	89	PEACN	KM13.9	0	0	
A	154	MW	310.						ES		Y	8678	10	&	89	PEACN	KM13.9	0	0	
A	71	MW	332.						ES		Y	8492	9	&	89	PEACN	KM13.9	0	0	
A	340	MW	281.						ES		Y	8526	12	&	89	PEACN	KM13.9	0	0	
A	344	MW	303.						ES		Y	8528	12	&	89	PEACN	KM13.9	0	0	
A	58	MW	317.						ES				9	&	89	PEACN	KM13.9	0	0	
A	95	MW	271.						ES		Y	8852	9	&	89	PEACN	KM13.9	0	0	
A	342	MW	276.						ES		Y	8527	12	&	89	PEACN	KM13.9	0	0	
A	178	MW	330.						ES		Y	8701	10	&	89	PEACN	KM13.9	0	0	
A	179	MW	315.						ES		Y	8702	10	&	89	PEACN	KM13.9	0	0	
A	350	MW	265.						ES		Y	8735	12	&	89	PEACN	KM13.9	0	0	
A	359	MW	285.						ES		Y	8741	12	&	89	PEACN	KM13.9	0	0	
A	334	MW	248.						ES		Y	8727	12	&	89	PEACN	KM13.9	0	0	
A	364	MW	284.						ES		Y	8632	12	&	89	PEACN	KM13.9	0	0	
A	83	MW	361.						ES				9	&	89	PEACN	KM13.9	0	0	
A	62	MW	321.						ES				9	&	89	PEACN	KM13.9	0	0	
A	352	MW	270.						ES		Y	8531	12	&	89	PEACN	KM13.9	0	0	
A	61	MW	312.						ES				9	&	89	PEACN	KM13.9	0	0	
A	87	MW	306.						ES				9	&	89	PEACN	KM13.9	0	0	
A	332	MW	323.						ES				12	&	89	PEACN	KM13.9	0	0	
A	343	MW	246.						ES				12	&	89	PEACN	KM13.9	0	0	
A	60	MW	320.						ES				9	&	89	PEACN	KM13.9	0	0	
A	180	MW	290.						ES		Y	8703	10	&	89	PEACN	KM13.9	0	0	
A	86	MW	312.						ES		Y	8626	9	&	89	PEACN	KM13.9	0	0	
A	73	MW	326.						ES		Y	8493	9	&	89	PEACN	KM13.9	0	0	
A	177	MW	285.						ES		Y	8700	10	&	89	PEACN	KM13.9	0	0	
A	176	MW	293.						ES		Y	8699	10	&	89	PEACN	KM13.9	0	0	
A	386	MW	202.						ES				12	&	89	PEACN	KM13.9	0	0	
A	66	MW	271.						ES				9	&	89	PEACN	KM13.9	0	0	
A	181	MW	360.	584.	14		9	SC	ES				10	&	89	PEACN	KM13.9	1	0	ST15(4CHIR,3TRICH,8
A	82	MW	284.						ES		Y	8623	9	&	89	PEACN	KM13.9	0	0	
A	53	MW	367.						ES		Y	8489	9	&	89	PEACN	KM13.9	0	0	
A	181	MW	302.						ES		Y	8685	10	&	89	PEACN	KM13.9	0	0	
A	77	MW	336.						ES		Y	8496	9	&	89	PEACN	KM13.9	0	0	
A	372	MW	285.						ES		Y	8538	12	&	89	PEACN	KM13.9	0	0	

A1363	MW	246.						ES			16	8	89	PEACN	KM13.3	0	0	
A1373	MW	280.						ES		Y 9450	16	8	89	PEACN	KM13.3	0	0	
A1353	MW	295.						ES			16	8	89	PEACN	KM13.3	0	0	
A1376	MW	228.						ES			16	8	89	PEACN	KM13.3	0	0	
A1351	MW	296.						ES		Y 9425	16	8	89	PEACN	KM13.3	0	0	
A1382	MW	311.						ES			16	8	89	PEACN	KM13.3	0	0	
A1348	MW	304.						ES		Y 9366	16	8	89	PEACN	KM13.3	0	0	
A1358	MW	315.						ES		Y 9423	16	8	89	PEACN	KM13.3	0	0	
A1356	MW	241.						ES			16	8	89	PEACN	KM13.3	0	0	
A1375	MW	286.						ES			16	8	89	PEACN	KM13.3	0	0	
A1350	MW	296.						ES		Y 9399	16	8	89	PEACN	KM13.3	0	0	
A1369	MW	216.	142.					ES			16	8	89	PEACN	KM13.3	0	0	
A1390	MW	340.						ES		Y 9464	16	8	89	PEACN	KM13.3	0	0	
A1371	MW	258.						ES		Y 9432	16	8	89	PEACN	KM13.3	0	0	
A1394	MW	344.						ES		Y 9439	16	8	89	PEACN	KM13.3	0	0	
A1368	MW	283.		14		4	SC	ES			16	8	89	PEACN	KM13.3	1	0	ST15(SCHIR.10UNID.)
A1367	MW	322.						ES		Y 9453	16	8	89	PEACN	KM13.3	0	0	
A1357	MW	286.						ES		Y 9427	16	8	89	PEACN	KM13.3	0	0	
A1370	MW	288.						ES			16	8	89	PEACN	KM13.3	0	0	
A1364	MW	222.						ES			16	8	89	PEACN	KM13.3	0	0	
A1386	MW	269.						ES		Y 9436	16	8	89	PEACN	KM13.3	0	0	
A1374	MW	224.						ES			16	8	89	PEACN	KM13.3	0	0	
A1392	MW	254.						ES		Y 9438	16	8	89	PEACN	KM13.3	0	0	
A1385	MW	373.	580.					ES		Y 9424	16	8	89	PEACN	KM13.3	0	0	
A1380	MW	308.						ES		Y 9429	16	8	89	PEACN	KM13.3	0	0	
A1372	MW	258.						ES			16	8	89	PEACN	KM13.3	0	0	
A1354	MW	348.						ES		Y 9428	16	8	89	PEACN	KM13.3	0	0	
A1366	MW	299.						ES		Y 9431	16	8	89	PEACN	KM13.3	0	0	
A1348	MW	284.						ES		Y 9419	16	8	89	PEACN	KM13.3	0	0	
A1381	MW	232.						ES			16	8	89	PEACN	KM13.3	0	0	
A1359	MW	281.						ES		Y 9426	16	8	89	PEACN	KM13.3	0	0	
A1379	MW	330.						ES		Y 9451	16	8	89	PEACN	KM13.3	0	0	
A1391	MW	237.						ES			16	8	89	PEACN	KM13.3	0	0	
A1366	MW	228.						ES			16	8	89	PEACN	KM13.3	0	0	
A1385	MW	278.						ES		Y 9456	16	8	89	PEACN	KM13.3	0	0	
A1367	MW	277.						ES			16	8	89	PEACN	KM13.3	0	0	
A1385	MW	258.						ES		Y 9435	16	8	89	PEACN	KM13.3	0	0	
A1347	MW	221.						ES			16	8	89	PEACN	KM13.3	0	0	
A1340	MW	325.		4		8	SC	ES			16	8	89	PEACN	KM13.3	1	0	ST 10 (UNID. 10)
A1352	MW	250.						ES		Y 9421	16	8	89	PEACN	KM13.3	0	0	
A1355	MW	311.						ES		Y 9422	16	8	89	PEACN	KM13.3	0	0	
A1386	MW	257.						ES		Y 9437	16	8	89	PEACN	KM13.3	0	0	
A1381	MW	312.						ES		Y 9433	16	8	89	PEACN	KM13.3	0	0	
A1377	MW	319.						ES			16	8	89	PEACN	KM13.3	0	0	
A1382	MW	223.						ES			16	8	89	PEACN	KM13.3	0	0	
A 440	MW	308.						ES		Y 8778	12	8	89	PEACN	KM13.4	0	0	
A 462	MW	284.						ES		Y 8787	12	8	89	PEACN	KM13.4	0	0	
A 463	MW	255.						ES		Y 8817	12	8	89	PEACN	KM13.4	0	0	
A 438	MW	286.						ES		Y 8777	12	8	89	PEACN	KM13.4	0	0	
A 467	MW	272.						ES		Y 8790	12	8	89	PEACN	KM13.4	0	0	
A 444	MW	281.						ES		Y 8780	12	8	89	PEACN	KM13.4	0	0	
A 454	MW	289.						ES		Y 8783	12	8	89	PEACN	KM13.4	0	0	
A 442	MW	253.						ES		Y 8779	12	8	89	PEACN	KM13.4	0	0	
A 433	MW	289.						ES			12	8	89	PEACN	KM13.4	0	0	
A 465	MW	206.						ES			12	8	89	PEACN	KM13.4	0	0	
A 466	MW	214.						ES			12	8	89	PEACN	KM13.4	0	0	
A 434	MW	283.						ES		Y 8807	12	8	89	PEACN	KM13.4	0	0	
A 439	MW	355.						ES		Y 8810	12	8	89	PEACN	KM13.4	0	0	
A 446	MW	281.						ES		Y 8781	12	8	89	PEACN	KM13.4	0	0	
A 431	MW	267.						ES		Y 8776	12	8	89	PEACN	KM13.4	0	0	

A 424	MW	246.						ES			12	8	89	PEACN	KM13.4	0	0	
A 453	MW	308.						ES		Y 8814	12	8	89	PEACN	KM13.4	0	0	
A 452	MW	232.						ES			12	8	89	PEACN	KM13.4	0	0	
A 468	MW	284.						ES		Y 8789	12	8	89	PEACN	KM13.4	0	0	
A 461	MW	322.						ES		Y 8816	12	8	89	PEACN	KM13.4	0	0	
A 450	MW	294.						ES		Y 8813	12	8	89	PEACN	KM13.4	0	0	
A 432	MW	410.						ES		Y 8808	12	8	89	PEACN	KM13.4	0	0	
A 425	MW	294.						ES			12	8	89	PEACN	KM13.4	0	0	
A 465	MW	213.						ES			12	8	89	PEACN	KM13.4	0	0	
A 437	MW	325.						ES		Y 8809	12	8	89	PEACN	KM13.4	0	0	
A 459	MW	285.						ES		Y 8815	12	8	89	PEACN	KM13.4	0	0	
A 435	MW	267.						ES		Y 8806	12	8	89	PEACN	KM13.4	0	0	
A 449	MW	287.						ES		Y 8782	12	8	89	PEACN	KM13.4	0	0	
A 458	MW	272.						ES		Y 8785	12	8	89	PEACN	KM13.4	0	0	
A 445	MW	315.						ES		Y 8812	12	8	89	PEACN	KM13.4	0	0	
A 456	MW	305.						ES		Y 8784	12	8	89	PEACN	KM13.4	0	0	
A 447	MW	235.						ES			12	8	89	PEACN	KM13.4	0	0	
A 426	MW	310.						ES			12	8	89	PEACN	KM13.4	0	0	
A 428	MW	390						ES		Y 8804	12	8	89	PEACN	KM13.4	0	0	
A 460	MW	278.						ES		Y 8786	12	8	89	PEACN	KM13.4	0	0	
A 436	MW	288.						ES			12	8	89	PEACN	KM13.4	0	0	
A 457	MW	225						ES			12	8	89	PEACN	KM13.4	0	0	
A 429	MW	197.						ES			12	8	89	PEACN	KM13.4	0	0	
A 448	MW	254.						ES			12	8	89	PEACN	KM13.4	0	0	
A 451	MW	238.						ES			12	8	89	PEACN	KM13.4	0	0	
A 303	MW	272.						ES			10	8	89	PEACN	KM13.5	1	0	
A 306	MW	310.						ES		Y 8591	10	8	89	PEACN	KM13.5	0	0	
A 321	MW	265.						ES		Y 8597	10	8	89	PEACN	KM13.5	0	0	
A 297	MW	275.						ES			10	8	89	PEACN	KM13.5	0	0	
A 318	MW	346.						ES		Y 8517	10	8	89	PEACN	KM13.5	0	0	
A 305	MW	283.						ES		Y 8512	10	8	89	PEACN	KM13.5	0	0	
A 304	MW	250.						ES			10	8	89	PEACN	KM13.5	0	0	
A 298	MW	297.						ES			10	8	89	PEACN	KM13.5	0	0	
A 319	MW	350.						ES		Y 8596	10	8	89	PEACN	KM13.5	0	0	
A 300	MW	322.						ES			10	8	89	PEACN	KM13.5	0	0	
A 316	MW	290.						ES		Y 8516	10	8	89	PEACN	KM13.5	0	0	
A 328	MW	295.						ES		Y 8523	10	8	89	PEACN	KM13.5	0	0	
A 309	MW	285.						ES		Y 8513	10	8	89	PEACN	KM13.5	0	0	
A 327	MW	252.						ES		Y 8522	10	8	89	PEACN	KM13.5	0	0	
A 298	MW	289.						ES			10	8	89	PEACN	KM13.5	0	0	
A 307	MW	210.						ES			10	8	89	PEACN	KM13.5	0	0	
A 314	MW	283.						ES		Y 8515	10	8	89	PEACN	KM13.5	0	0	
A 317	MW	427.						ES		Y 8595	10	8	89	PEACN	KM13.5	0	0	
A 326	MW	270.						ES		Y 8521	10	8	89	PEACN	KM13.5	0	0	
A 320	MW	277.						ES		Y 8518	10	8	89	PEACN	KM13.5	0	0	
A 310	MW	271.						ES		Y 8592	10	8	89	PEACN	KM13.5	0	0	
A 322	MW	318.						ES		Y 8519	10	8	89	PEACN	KM13.5	0	0	
A 312	MW	299.						ES		Y 8593	10	8	89	PEACN	KM13.5	0	0	
A 301	MW	395.						ES			10	8	89	PEACN	KM13.5	0	0	
A 305	MW	354.						ES		Y 8590	10	8	89	PEACN	KM13.5	0	0	
A 324	MW	330.						ES		Y 8520	10	8	89	PEACN	KM13.5	0	0	
A 296	MW	285.						ES			10	8	89	PEACN	KM13.5	0	0	
A 315	MW	291.						ES		Y 8594	10	8	89	PEACN	KM13.5	0	0	
A 302	MW	302.						ES			10	8	89	PEACN	KM13.5	0	0	
A 323	MW	317.						ES		Y 8598	10	8	89	PEACN	KM13.5	0	0	
A 311	MW	327.						ES		Y 8514	10	8	89	PEACN	KM13.5	0	0	
A 224	MW	312.						ES			10	8	89	PEACN	KM13.7	1	0	
A 422	MW	284.						ES		Y 8775	12	8	89	PEACN	KM13.7	0	0	
A 388	MW	283.						ES			12	8	89	PEACN	KM13.7	0	0	
A 292	MW	245.						ES			10	8	89	PEACN	KM13.7	0	0	

A1401	MW	321.						ES		Y 9457	16	& 89	PEACN	KM13.0	0	0		
A1419	MW	249.						ES			16	& 89	PEACN	KM13.0	0	0		
A1487	MW	342.		14		7	SC	ES			16	& 89	PEACN	KM13.0	1	0		ST1S(STRICH;SEPH;SU
A1461	MW	277.						ES		Y 9500	16	& 89	PEACN	KM13.0	0	0		
A1763	MW	294.						ES		Y 9714	17	& 89	PEACN	KM13.0	0	0		
A1426	MW	282.						ES		Y 9478	16	& 89	PEACN	KM13.0	0	0		
A1473	MW	303.						ES			16	& 89	PEACN	KM13.0	0	0		
A1427	MW	228.						ES			16	& 89	PEACN	KM13.0	0	0		
A1727	MW	350.						ES		Y 9702	17	& 89	PEACN	KM13.0	0	0		
A1752	MW	291.						ES			17	& 89	PEACN	KM13.0	0	0		
A1786	MW	305.						ES			17	& 89	PEACN	KM13.0	1	0		
A1433	MW	284.						ES		Y 9481	16	& 89	PEACN	KM13.0	0	0		
A1746	MW	247.						ES			17	& 89	PEACN	KM13.0	0	0		
A1465	MW	381.	880.					ES			16	& 89	PEACN	KM13.0	0	0		
A1780	MW	246.						ES			17	& 89	PEACN	KM13.0	0	0		
A1753	MW	242.						ES			17	& 89	PEACN	KM13.0	0	0		
A1437	MW	285.						ES		Y 9484	16	& 89	PEACN	KM13.0	0	0		
A1463	MW	278.						ES		Y 9497	16	& 89	PEACN	KM13.0	0	0		
A1389	MW	335.						ES			16	& 89	PEACN	KM13.0	0	0		
A1720	MW	362.						ES		Y 9637	17	& 89	PEACN	KM13.0	0	0		
A1442	MW	289.						ES		Y 9485	16	& 89	PEACN	KM13.0	0	0		
A1447	MW	218.	132.					ES			16	& 89	PEACN	KM13.0	0	0		
A1731	MW	268.						ES		Y 9704	17	& 89	PEACN	KM13.0	0	0		
A1772	MW	252.						ES		Y 9726	17	& 89	PEACN	KM13.0	0	0		
A1438	MW	304.						ES		Y 9483	16	& 89	PEACN	KM13.0	0	0		
A1429	MW	370.	588.					ES		Y 9465	16	& 89	PEACN	KM13.0	0	0		
A1776	MW	270.						ES		Y 9729	17	& 89	PEACN	KM13.0	0	0		
A1457	MW	244.						ES			16	& 89	PEACN	KM13.0	0	0		
A1412	MW	289.						ES		Y 9446	16	& 89	PEACN	KM13.0	0	0		
A1460	MW	257.						ES		Y 9490	16	& 89	PEACN	KM13.0	0	0		
A1469	MW	280.						ES		Y 9474	16	& 89	PEACN	KM13.0	0	0		
A1428	MW	318.						ES		Y 9480	16	& 89	PEACN	KM13.0	0	0		
A1414	MW	306.						ES		Y 9481	16	& 89	PEACN	KM13.0	0	0		
A1411	MW	282.						ES		Y 9460	16	& 89	PEACN	KM13.0	0	0		
A1420	MW	261.						ES		Y 9463	16	& 89	PEACN	KM13.0	0	0		
A1480	MW	257.						ES		Y 9528	16	& 89	PEACN	KM13.0	0	0		
A1781	MW	205.						ES			17	& 89	PEACN	KM13.0	0	0		
A1436	MW	323.						ES		Y 9467	16	& 89	PEACN	KM13.0	0	0		
A1775	MW	244.						ES			17	& 89	PEACN	KM13.0	0	0		
A1762	MW	274.						ES		Y 9713	17	& 89	PEACN	KM13.0	0	0		
A1787	MW	191.						ES			17	& 89	PEACN	KM13.0	1	0		
A1455	MW	283.						ES		Y 9473	16	& 89	PEACN	KM13.0	0	0		
A1783	MW	221.						ES			17	& 89	PEACN	KM13.0	0	0		
A1406	MW	285.						ES		Y 9443	16	& 89	PEACN	KM13.0	0	0		
A1415	MW	276.						ES		Y 9447	16	& 89	PEACN	KM13.0	0	0		
A1724	MW	252.						ES		Y 9700	17	& 89	PEACN	KM13.0	0	0		
A1751	MW	324.						ES			17	& 89	PEACN	KM13.0	0	0		
A1728	MW	293.						ES		Y 9881	17	& 89	PEACN	KM13.0	0	0		
A 959	MW	347.						ES			15	& 89	PEACN	KM13.1	0	0		
A 957	MW	220.						ES			15	& 89	PEACN	KM13.1	0	0		
A 965	MW	302.						ES			15	& 89	PEACN	KM13.1	0	0		
A 955	MW	282.						ES		9125	15	& 89	PEACN	KM13.1	0	0		
A 969	MW	305.						ES			15	& 89	PEACN	KM13.1	0	0		
A 968	MW	236.						ES			15	& 89	PEACN	KM13.1	1	0		
A 961	MW	332.						ES		9163	15	& 89	PEACN	KM13.1	0	0		
A 954	MW	249.						ES			15	& 89	PEACN	KM13.1	0	0		
A 985	MW	278.						ES		Y 9136	15	& 89	PEACN	KM13.1	0	0		
A 971	MW	245.						ES			15	& 89	PEACN	KM13.1	0	0		
A 963	MW	327.						ES			15	& 89	PEACN	KM13.1	0	0		
A 967	MW	281.						ES		Y 9171	15	& 89	PEACN	KM13.1	0	0		

A 974	MW	288.						ES		9130	15	& 89	PEACN	KM13.1	0	0		
A 977	MW	227.						ES			15	& 89	PEACN	KM13.1	0	0		
A 975	MW	259.						ES		9131	15	& 89	PEACN	KM13.1	0	0		
A 982	MW	244.						ES			15	& 89	PEACN	KM13.1	0	0		
A 952	MW	318.						ES		9099	15	& 89	PEACN	KM13.1	0	0		
A 979	MW	234.						ES			15	& 89	PEACN	KM13.1	0	0		
A 973	MW	265.						ES		9129	15	& 89	PEACN	KM13.1	0	0		
A 958	MW	310.						ES		9126	15	& 89	PEACN	KM13.1	0	0		
A 978	MW	262.						ES		Y 9133	15	& 89	PEACN	KM13.1	0	0		
A 976	MW	264.						ES		Y 9132	15	& 89	PEACN	KM13.1	0	0		
A 947	MW	341.	480.					ES		9159	15	& 89	PEACN	KM13.1	0	0		
A 966	MW	281.						ES		9164	15	& 89	PEACN	KM13.1	0	0		
A 956	MW	307.						ES			15	& 89	PEACN	KM13.1	0	0		
A 946	MW	326.						ES		9086	15	& 89	PEACN	KM13.1	0	0		
A 980	MW	271.						ES		Y 9134	15	& 89	PEACN	KM13.1	0	0		
A 987	MW	235.						ES			15	& 89	PEACN	KM13.1	0	0		
A 982	MW	288.						ES			15	& 89	PEACN	KM13.1	0	0		
A 945	MW	317.						ES		9095	15	& 89	PEACN	KM13.1	0	0		
A 983	MW	272.						ES		Y 9135	15	& 89	PEACN	KM13.1	0	0		
A 964	MW	298.						ES		9128	15	& 89	PEACN	KM13.1	0	0		
A 950	MW	281.						ES		9098	15	& 89	PEACN	KM13.1	0	0		
A 960	MW	275.						ES		9127	15	& 89	PEACN	KM13.1	0	0		
A 968	MW	264.						ES		9166	15	& 89	PEACN	KM13.1	0	0		
A 485	MW	270.						ES		Y 8827	12	& 89	PEACN	KM13.2	0	0		
A 478	MW	283.						ES		Y 8822	12	& 89	PEACN	KM13.2	0	0		
A 486	MW	243.						ES			12	& 89	PEACN	KM13.2	0	0		
A 487	MW	362.						ES		Y 8824	12	& 89	PEACN	KM13.2	0	0		
A 492	MW	288.						ES			12	& 89	PEACN	KM13.2	0	0		
A 515	MW	310.						ES		Y 8836	12	& 89	PEACN	KM13.2	0	0		
A 525	MW	286.						ES		Y 8854	12	& 89	PEACN	KM13.2	0	0		
A 489	MW	258.						ES		Y 8825	12	& 89	PEACN	KM13.2	0	0		
A 533	MW	282.						ES		Y 8845	12	& 89	PEACN	KM13.2	0	0		
A 482	MW	312.						ES			12	& 89	PEACN	KM13.2	0	0		
A 532	MW	171.						ES			12	& 89	PEACN	KM13.2	0	0		
A 524	MW	388.						ES		Y 8844	12	& 89	PEACN	KM13.2	0	0		
A 477	MW	245.						ES			12	& 89	PEACN	KM13.2	0	0		
A 484	MW	274.						ES			12	& 89	PEACN	KM13.2	0	0		
A 483	MW	244.						ES			12	& 89	PEACN	KM13.2	0	0		
A 490	MW	251.						ES		Y 8826	12	& 89	PEACN	KM13.2	0	0		
A 520	MW	303.						ES		Y 8853	12	& 89	PEACN	KM13.2	0	0		
A 529	MW	289.						ES		Y 8842	12	& 89	PEACN	KM13.2	0	0		
A 480	MW	325.						ES		Y 8793	12	& 89	PEACN	KM13.2	0	0		
A 522	MW	334.						ES		Y 8841	12	& 89	PEACN	KM13.2	0	0		
A 493	MW	234.						ES			12	& 89	PEACN	KM13.2	0	0		
A 497	MW	241.						ES			12	& 89	PEACN	KM13.2	0	0		
A 479	MW	309.						ES		Y 8823	12	& 89	PEACN	KM13.2	0	0		
A 481	MW	223.						ES			12	& 89	PEACN	KM13.2	0	0		
A 527	MW	273.						ES		Y 8855	12	& 89	PEACN	KM13.2	0	0		
A 498	MW	295.						ES		Y 8828	12	& 89	PEACN	KM13.2	0	0		
A 500	MW	225.						ES			12	& 89	PEACN	KM13.2	0	0		
A 486	MW	285.						ES			12	& 89	PEACN	KM13.2	0	0		
A 528	MW	245.						ES			12	& 89	PEACN	KM13.2	0	0		
A 507	MW	218.						ES			12	& 89	PEACN	KM13.2	0	0		
A 531	MW	241.						ES			12	& 89	PEACN	KM13.2	0	0		
A 510	MW	223.						ES			12	& 89	PEACN	KM13.2	0	0		
A 523	MW	324.						ES		Y 8843	12	& 89	PEACN	KM13.2	0	0		
A 488	MW	248.						ES			12	& 89	PEACN	KM13.2	0	0		
A 528	MW	239.						ES			12	& 89	PEACN	KM13.2	0	0		
A1384	MW	272.						ES		Y 9462	16	& 89	PEACN	KM13.3	0	0		
A1378	MW	315.						ES			16	& 89	PEACN	KM13.3	0	0		

A 616	MW	222.						ES			12	&	89	PEACN	KM12.8	0	0	
A1841	MW	424.	868.			12	SC	ES		Y 9744	17	&	89	PEACN	KM12.8	0	0	
A 801	MW	255.						ES		Y 8904	12	&	89	PEACN	KM12.8	0	0	
A1541	MW	335.						ES		Y 9550	16	&	89	PEACN	KM12.8	0	0	
A1584	MW	258.						ES		Y 9582	16	&	89	PEACN	KM12.8	0	0	
A 802	MW	284.						ES		Y 8893	12	&	89	PEACN	KM12.8	0	0	
A 554	MW	257.						ES		Y 8876	12	&	89	PEACN	KM12.8	0	0	
A 576	MW	252.						ES		Y 8884	12	&	89	PEACN	KM12.8	0	0	
A1812	MW	299.						ES			17	&	88	PEACN	KM12.8	0	0	
A1548	MW	222.						ES			16	&	89	PEACN	KM12.8	0	0	
A1817	MW	270.						ES			17	&	89	PEACN	KM12.8	0	0	
A 557	MW	312.						ES		Y 8860	12	&	89	PEACN	KM12.8	0	0	
A 583	MW	287.						ES		Y 8886	12	&	89	PEACN	KM12.8	0	0	
A 547	MW	272.						ES		Y 8857	12	&	89	PEACN	KM12.8	0	0	
A1525	MW	316.						ES		Y 9545	16	&	89	PEACN	KM12.8	0	0	
A1470	MW	324.						ES			16	&	88	PEACN	KM13.0	0	0	
A1440	MW	288.						ES		Y 9484	16	&	89	PEACN	KM13.0	0	0	
A1725	MW	277.						ES		Y 9690	17	&	89	PEACN	KM13.0	0	0	
A1423	MW	344.						ES		Y 9475	16	&	89	PEACN	KM13.0	0	0	
A1735	MW	296.						ES		Y	17	&	88	PEACN	KM13.0	0	0	
A1472	MW	293.						ES			16	&	88	PEACN	KM13.0	0	0	
A1750	MW	313.						ES			17	&	89	PEACN	KM13.0	0	0	
A1481	MW	306.						ES		Y 9527	16	&	89	PEACN	KM13.0	0	0	
A1770	MW	211.						ES			17	&	89	PEACN	KM13.0	0	0	
A1765	MW	356.						ES		Y 9715	17	&	89	PEACN	KM13.0	0	0	
A1767	MW	285.						ES		Y 9716	17	&	89	PEACN	KM13.0	0	0	
A1475	MW	304.						ES			16	&	89	PEACN	KM13.0	0	0	
A1728	MW	312.						ES		Y 9701	17	&	89	PEACN	KM13.0	0	0	
A1744	MW	297.						ES		Y 9706	17	&	89	PEACN	KM13.0	0	0	
A1784	MW	215.						ES			17	&	88	PEACN	KM13.0	0	0	
A1443	MW	268.						ES		Y 9486	16	&	89	PEACN	KM13.0	0	0	
A1754	MW	283.						ES		Y 8897	17	&	89	PEACN	KM13.0	0	0	
A1774	MW	258.						ES		Y 9728	17	&	89	PEACN	KM13.0	0	0	
A1422	MW	245.						ES			16	&	89	PEACN	KM13.0	0	0	
A1458	MW	304.						ES		Y 9484	16	&	89	PEACN	KM13.0	0	0	
A1441	MW	328.						ES		Y 9469	16	&	89	PEACN	KM13.0	0	0	
A1468	MW	350.		4		8	SC	ES			16	&	89	PEACN	KM13.0	1	0	ST-10 (S TRICH; S U
A1781	MW	295.						ES		Y 9712	17	&	89	PEACN	KM13.0	0	0	
A1425	MW	286.						ES		Y 9477	16	&	89	PEACN	KM13.0	0	0	
A1748	MW	260.						ES			17	&	88	PEACN	KM13.0	0	0	
A1479	MW	306.						ES		Y 9525	16	&	89	PEACN	KM13.0	0	0	
A1407	MW	295.						ES		Y 9444	16	&	89	PEACN	KM13.0	0	0	
A1733	MW	297.						ES		Y 9705	17	&	89	PEACN	KM13.0	0	0	
A1484	MW	361.						ES		Y 9496	16	&	89	PEACN	KM13.0	0	0	
A1421	MW	352.						ES		Y 9475	16	&	89	PEACN	KM13.0	0	0	
A1488	MW	226.						ES			16	&	89	PEACN	KM13.0	0	0	
A1741	MW	251.						ES			17	&	89	PEACN	KM13.0	0	0	
A1760	MW	331.						ES		Y 8898	17	&	89	PEACN	KM13.0	0	0	
A1482	MW	217.						ES			16	&	89	PEACN	KM13.0	0	0	
A1771	MW	285.						ES		Y 9725	17	&	89	PEACN	KM13.0	0	0	
A1736	MW	282.						ES			17	&	89	PEACN	KM13.0	0	0	
A1729	MW	367.						ES		Y 9703	17	&	89	PEACN	KM13.0	0	0	
A1740	MW	254.						ES			17	&	89	PEACN	KM13.0	0	0	
A1484	MW	220.						ES			16	&	89	PEACN	KM13.0	0	0	
A1747	MW	328.						ES		Y 9696	17	&	89	PEACN	KM13.0	0	0	
A1405	MW	335.						ES		Y 9459	16	&	89	PEACN	KM13.0	0	0	
A1723	MW	258.						ES			17	&	88	PEACN	KM13.0	0	0	
A1451	MW	286.						ES		Y 9481	16	&	88	PEACN	KM13.0	0	0	
A1742	MW	329.						ES		Y 9707	17	&	89	PEACN	KM13.0	0	0	
A1404	MW	257.						ES		Y 9442	16	&	89	PEACN	KM13.0	0	0	

A1782	MW	245.						ES			17	&	89	PEACN	KM13.0	0	0	
A1439	MW	227.						ES			16	&	88	PEACN	KM13.0	0	0	
A1757	MW	271.						ES			17	&	89	PEACN	KM13.0	0	0	
A1474	MW	325.						ES			16	&	89	PEACN	KM13.0	0	0	
A1755	MW	288.						ES		Y 9710	17	&	89	PEACN	KM13.0	0	0	
A1759	MW	276.						ES		Y 9711	17	&	89	PEACN	KM13.0	0	0	
A1758	MW	297.						ES			17	&	89	PEACN	KM13.0	0	0	
A1446	MW	287.						ES		Y 9489	16	&	89	PEACN	KM13.0	0	0	
A1413	MW	217.	134.					ES			16	&	89	PEACN	KM13.0	0	0	
A1779	MW	282.						ES		Y 9720	17	&	89	PEACN	KM13.0	0	0	
A1456	MW	253.						ES		Y 9493	16	&	89	PEACN	KM13.0	0	0	
A1477	MW	217.						ES			16	&	89	PEACN	KM13.0	0	0	
A1417	MW	283.						ES		Y 9462	16	&	89	PEACN	KM13.0	0	0	
A1410	MW	283.						ES		Y 9446	16	&	89	PEACN	KM13.0	0	0	
A1468	MW	302						ES		Y 9549	16	&	89	PEACN	KM13.0	0	0	
A1449	MW	323.						ES		Y 9471	16	&	89	PEACN	KM13.0	0	0	
A1430	MW	232						ES			16	&	89	PEACN	KM13.0	0	0	
A1432	MW	312.						ES		Y 9479	16	&	89	PEACN	KM13.0	0	0	
A1786	MW	352.						ES		Y 9689	17	&	89	PEACN	KM13.0	0	0	
A1400	MW	384.	674					ES		Y 9430	16	&	89	PEACN	KM13.0	0	0	
A1730	MW	294						ES		Y 9692	17	&	89	PEACN	KM13.0	0	0	
A1788	MW	276.						ES			17	&	89	PEACN	KM13.0	1	0	
A1403	MW	304.						ES		Y 9458	16	&	89	PEACN	KM13.0	0	0	
A1444	MW	314.						ES		Y 9487	16	&	89	PEACN	KM13.0	0	0	
A1418	MW	303.						ES		Y 9448	16	&	89	PEACN	KM13.0	0	0	
A1402	MW	378.	578.					ES		Y 9441	16	&	89	PEACN	KM13.0	0	0	
A1773	MW	259.						ES		Y 9727	17	&	89	PEACN	KM13.0	0	0	
A1467	MW	252.						ES		Y 9501	16	&	89	PEACN	KM13.0	0	0	
A1471	MW	288.						ES			16	&	88	PEACN	KM13.0	0	0	
A1737	MW	280.						ES		Y 9708	17	&	89	PEACN	KM13.0	0	0	
A1488	MW	298.		4		5	SC	ES			16	&	89	PEACN	KM13.0	1	0	STS(SUNID) NO TRI
A1478	MW	295.						ES		Y 9502	16	&	89	PEACN	KM13.0	0	0	
A1408	MW	243.						ES			16	&	88	PEACN	KM13.0	0	0	
A1764	MW	287.						ES			17	&	89	PEACN	KM13.0	0	0	
A1435	MW	306.						ES		Y 9482	16	&	89	PEACN	KM13.0	0	0	
A1460	MW	291.						ES		Y 9495	16	&	89	PEACN	KM13.0	0	0	
A1745	MW	335.						ES			17	&	89	PEACN	KM13.0	0	0	
A1722	MW	298.						ES		Y 9674	17	&	89	PEACN	KM13.0	0	0	
A1462	MW	296.						ES		Y 9496	16	&	89	PEACN	KM13.0	0	0	
A1777	MW	240.						ES			17	&	89	PEACN	KM13.0	0	0	
A1486	MW	306.						ES		Y 9498	16	&	89	PEACN	KM13.0	0	0	
A1748	MW	287.						ES		Y 9709	17	&	89	PEACN	KM13.0	0	0	
A1739	MW	238.						ES			17	&	89	PEACN	KM13.0	0	0	
A1424	MW	365.						ES		Y 9464	16	&	88	PEACN	KM13.0	0	0	
A1483	MW	214.						ES			16	&	88	PEACN	KM13.0	0	0	
A1445	MW	288.						ES		Y 9488	16	&	89	PEACN	KM13.0	0	0	
A1453	MW	319.						ES		Y 9472	16	&	89	PEACN	KM13.0	0	0	
A1769	MW	278.						ES		Y 9718	17	&	89	PEACN	KM13.0	0	0	
A1416	MW	266.						ES		Y 9448	16	&	89	PEACN	KM13.0	0	0	
A1738	MW	234.						ES			17	&	89	PEACN	KM13.0	0	0	
A1768	MW	274						ES		Y 9717	17	&	89	PEACN	KM13.0	0	0	
A1454	MW	231.						ES			16	&	89	PEACN	KM13.0	0	0	
A1756	MW	235						ES			17	&	89	PEACN	KM13.0	0	0	
A1488	MW	282.		14		4	SC	ES			16	&	89	PEACN	KM13.0	1	0	ST1S(STRICHSEPM2CHI
A1476	MW	248						ES			16	&	89	PEACN	KM13.0	0	0	TAG 9520 DESTROYED
A1452	MW	360						ES		Y 9492	16	&	89	PEACN	KM13.0	0	0	
A1434	MW	300						ES		Y 9465	16	&	89	PEACN	KM13.0	0	0	
A1431	MW	239.						ES			16	&	89	PEACN	KM13.0	0	0	
A1775	MW	295						ES		Y 9719	17	&	89	PEACN	KM13.0	0	0	
A1734	MW	339.						ES		Y 9694	17	&	89	PEACN	KM13.0	0	0	

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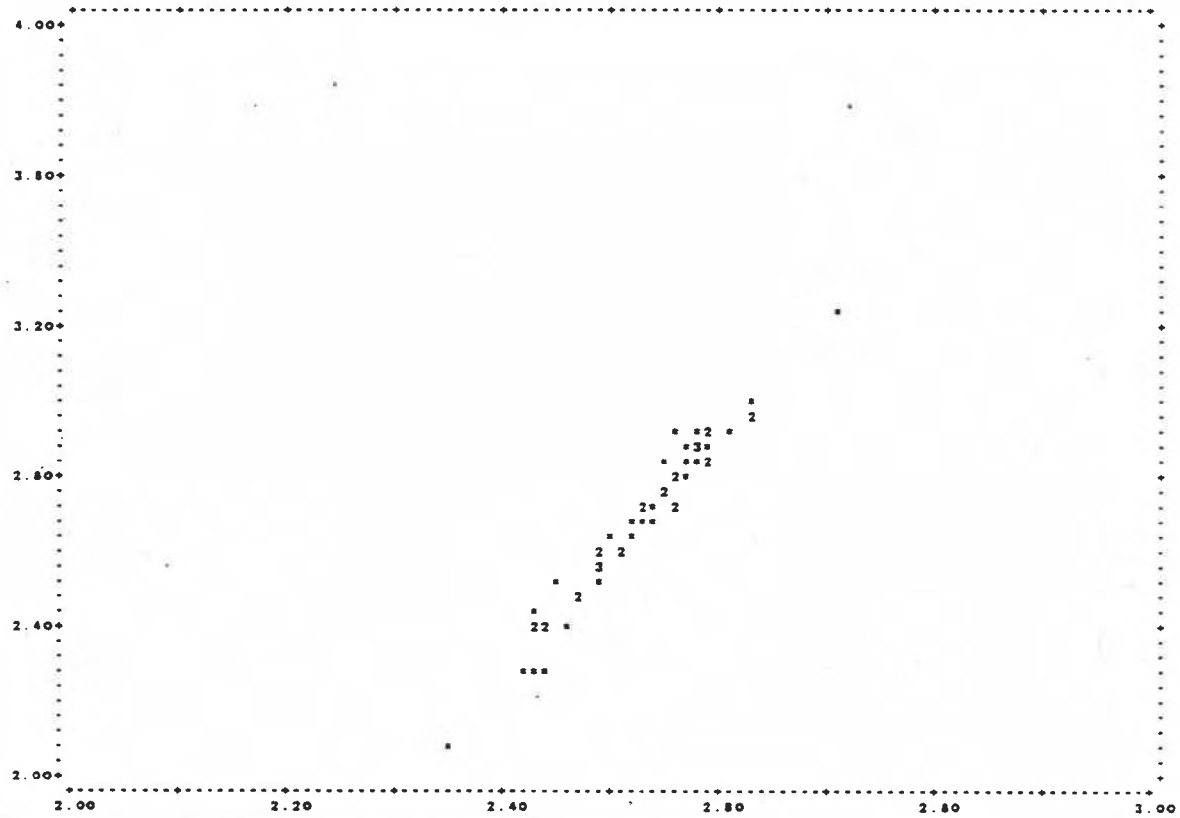
PLOT OF LOG10 LENGTH (X-AXIS) VRS LOG10 WEIGHT (Y-AXIS)



AGE-GROWTH ANALYSIS

ALL GROUPED

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX		283.0	324.0	363.0	406.0	357.0											
MEAN+CI		246.6	288.5	339.9	377.6	561.9											
MEAN		220.6	273.1	311.0	363.0	339.5											
MEAN-CI		195.9	257.7	282.1	328.4	117.1											
MIN		146.0	233.0	270.0	304.0	322.0											
NUMBER		14.	16.	7.	9.	2.											
SD	0.00	43.03	27.63	31.29	32.01	24.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	11.50	7.16	11.83	10.67	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	19.49	10.19	10.06	8.07	7.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX		246.0	396.0	540.0	868.0												
MEAN+CI			357.7	475.1	718.6												
MEAN		246.0	288.0	353.5	575.7												
MEAN-CI			212.3	231.9	432.7												
MIN		246.0	184.0	196.0	380.0												
NUMBER		1.	7.	6.	9.												
SD	0.00	0.00	78.58	115.86	186.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	29.71	47.30	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	27.58	32.78	32.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	1.209	1.391	1.438	1.463	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	1.323	1.434	1.337	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	1.209	1.193	1.242	1.268	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	1.062	1.051	1.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	1.209	1.006	1.008	1.154	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER		1.	7.	6.	9.												
SD	0.00	0.00	0.14	0.18	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.06	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	11.85	14.72	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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AGE-GROWTH ANALYSIS

MALES ONLY

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX			291.0	315.0	375.0												
MEAN+CI			413.9	332.6													
MEAN			280.5	313.5	375.0												
MEAN-CI			147.1	294.4													
MIN			270.0	312.0	375.0												
NUMBER			2.	2.	1.												
SD	0.00	0.00	14.85	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	10.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	5.29	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX			248.0	422.0	696.0												
MEAN+CI			271.4	978.0													
MEAN			246.0	374.5	696.0												
MEAN-CI			220.6	-229.0													
MIN			244.0	327.0	696.0												
NUMBER			2.	2.	1.												
SD	0.00	0.00	2.83	67.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	2.00	47.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	1.15	17.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	1.240	1.350	1.320	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	2.605	2.951	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	1.123	1.213	1.320	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	-0.358	-0.524	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	1.006	1.077	1.320	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER			2.	2.	1.												
SD	0.00	0.00	0.16	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.12	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	14.68	15.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

AGE-GROWTH ANALYSIS

FEMALES ONLY

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDE
LENGTH(MM)																	
MAX				335.0	380.0												
MEAN+CI					869.8												
MEAN				335.0	349.0												
MEAN-CI					-171.8												
MIN				335.0	306.0												
NUMBER				1.	2.												
SD	0.00	0.00	0.00	0.00	57.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	41.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	16.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
WEIGHT(G)																	
MAX				540.0	568.0												
MEAN+CI					3841.3												
MEAN				540.0	514.0												

WARNING Output field width too small. Condition occurred during a formatted WRITE on FORTRAN unit 11 which is attached to -FSHSC. The write is sequential at line 272. For this and all future occurrences of this condition, a field of *'s will be written.

MEAN-CI					******												
MIN				540.0	360.0												
NUMBER				1.	2.												
SD	0.00	0.00	0.00	0.00	359.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
STERR	0.00	0.00	0.00	0.00	254.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
COVAR	0.00	0.00	0.00	0.00	58.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
CONDITION																	
MAX	0.000	0.000	0.000	1.436	1.483	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
MEAN+CI	0.000	0.000	0.000	0.000	2.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
MEAN	0.000	0.000	0.000	1.436	1.348	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
MEAN-CI	0.000	0.000	0.000	0.000	-0.121	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
MIN	0.000	0.000	0.000	1.436	1.232	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
NUMBER				1.	2.												
SD	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MEDIAN SIZE	306 MM	311 MM	321 MM	271 MM

WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
100- 149	1	1.8	1.10	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
150- 199	3	5.5	1.00	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 249	4	7.3	1.17	4	2	25.0	1.12	2	0	0.0	0.00	0	0	0.0	0.00	0
250- 299	2	3.6	1.31	2	0	0.0	0.00	0	0	0.0	0.00	0	1	100.0	1.39	1
300- 349	5	9.1	1.21	5	2	25.0	1.16	2	0	0.0	0.00	0	0	0.0	0.00	0
350- 399	5	9.1	1.23	5	0	0.0	0.00	0	2	50.0	1.21	2	0	0.0	0.00	0
400- 449	3	5.5	1.23	3	1	12.5	1.35	1	0	0.0	0.00	0	0	0.0	0.00	0
450- 499	3	5.5	1.22	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 549	5	9.1	1.24	5	0	0.0	0.00	0	1	25.0	1.44	1	0	0.0	0.00	0
550- 599	2	3.6	1.25	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 649	3	5.5	1.26	3	1	12.5	1.26	1	0	0.0	0.00	0	0	0.0	0.00	0
650- 699	2	3.6	1.41	2	1	12.5	1.32	1	0	0.0	0.00	0	0	0.0	0.00	0
700- 749	6	10.9	1.32	6	1	12.5	1.38	1	0	0.0	0.00	0	0	0.0	0.00	0
750- 799	2	3.6	1.32	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 849	4	7.3	1.46	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
850- 899	2	3.6	1.30	2	0	0.0	0.00	0	1	25.0	1.46	1	0	0.0	0.00	0
900- 949	1	1.8	1.19	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
950- 999	1	1.8	1.26	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1000-1049	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1050-1099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1100-1149	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1150-1199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1200-1249	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1250-1299	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1300-1349	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1350-1399	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1400-1449	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1450-1499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1500-1549	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1550-1599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1600-1649	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1650-1699	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1700-1749	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1750-1799	1	1.8	1.33	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	55	100.0	-	55	8	100.0	-	8	4	100.0	-	4	1	100.0	-	1
COND. FACTORS SUMMARY	MEAN = 1.2573 STDDEV = 0.1361 COEVAR = 10.8273 STDERR = 0.0122 N = 55				MEAN = 1.2356 STDDEV = 0.1310 COEVAR = 10.5976 STDERR = 0.0463 N = 8				MEAN = 1.3324 STDDEV = 0.1367 COEVAR = 10.2619 STDERR = 0.0684 N = 4				MEAN = 1.3814 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 1			
MEDIAN SIZE	515 G				401 G				501 G				275 G			

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LENGTH - WEIGHT REGRESSION

1) THE COEF. OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.963126302

2) N = 55

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -5.603662 + 3.27710819 LOG10(LENGTH)

OR WEIGHT= 0.24908E-05 LENGTH TO THE 3.27710819

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF.	T	S.D.
INTERCEPT	-5.603662	-25.153214	0.222781
SLOPE	3.277108	37.206696	0.088078

5) LOG10(LENGTH) MEANS = 2.528476

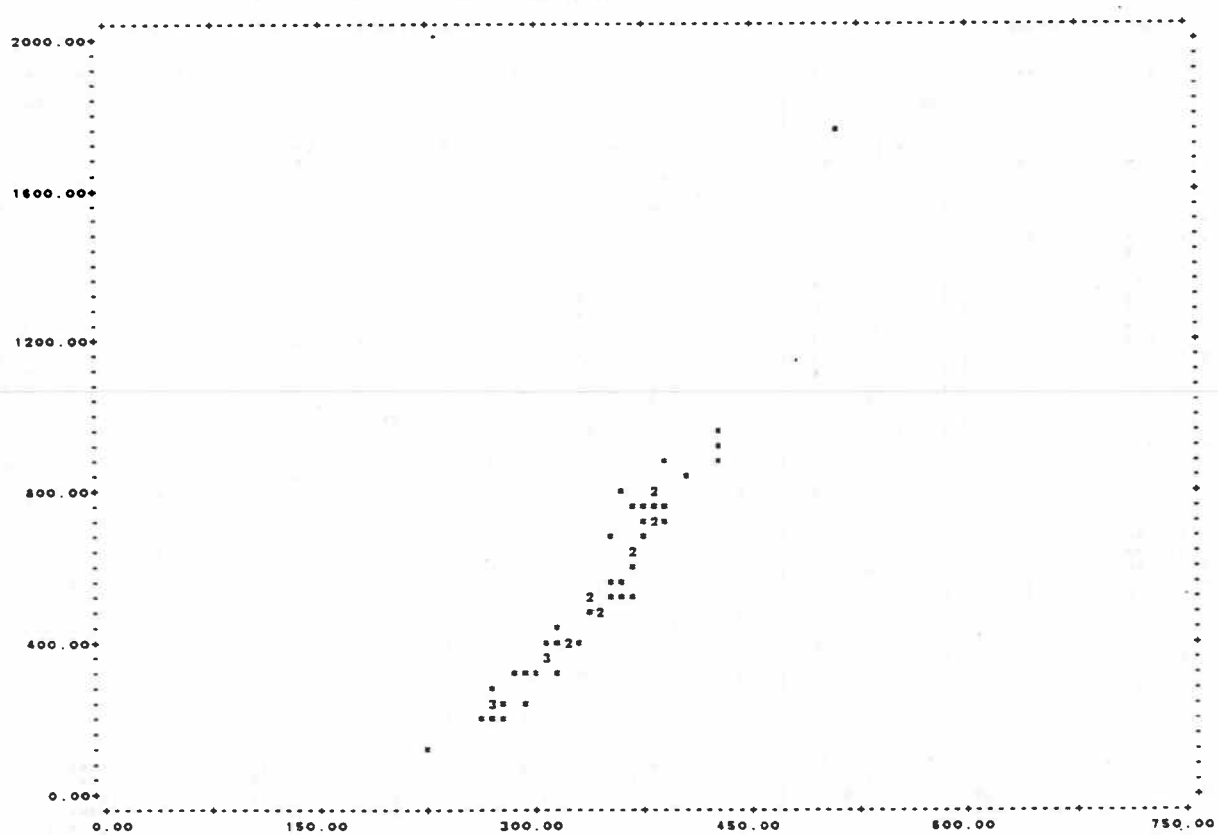
6) LOG10(WEIGHT) MEANS = 2.682425

7) SUM OF X SQUARED = 351.8687 SUM OF SMALL X SQUARED = 0.243164
8) SUM OF Y SQUARED = 396.4587 SUM OF SMALL Y SQUARED = 2.711426
9) SUM OF XY = 373.8316 SUM OF SMALL XY = 0.796875

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	2.61144543	2.61144643	1384.33813477
ERROR	53	0.09998035	0.00188642	
TOTAL	54	2.7114258		

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA
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NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA

PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
M 16	RT	306.	350.	16	.	4	OT	ES	.		12	10	89	PEACO	.	1	0	MERCURY ANALYSIS*DE
M 45	RT	335.	540.	16	.	3	OT	ES	.		17	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 38	RT	272.	280.	99	.	2	OT	ES	.		15	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 12	RT	375.	896.	6	.	4	OT	ES	.		12	10	89	PEACO	.	1	0	MERCURY ANALYSIS*DE
M 15	RT	270.	244.	6	.	2	OT	ES	.		12	10	89	PEACO	.	1	0	MERCURY ANALYSIS*DE
M 82	RT	270.	194.		.	3	OT	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 11	RT	315.	422.	6	.	3	OT	ES	.		11	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 103	RT	355.	559.		.	4	OT	ES	.		26	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 60	RT	286.	194.		.	2	OT	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 18	RT	312.	327.	6	.	3	OT	ES	.		12	10	89	PEACO	.	1	0	MERCURY ANALYSIS*DE
M 17	RT	292.	308.	6	.		OT	ES	.		12	10	89	PEACO	.	1	0	MERCURY ANALYSIS*DE
M 48	RT	425.	878.		.		OT	ES	.		18	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 21	RT	281.	248.	6	.	2	OT	ES	.		12	10	89	PEACO	.	1	0	MERCURY ANALYSIS*DE
M 13	RT	370.	648.	6	.		OT	ES	.		12	10	89	PEACO	.	1	0	MERCURY ANALYSIS*DE
M 104	RT	274.	198.		.		OT	ES	.		26	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 24	RT	390.	886.	16	.	4	OT	ES	.		12	10	89	PEACO	.	1	0	MERCURY ANALYSIS *M
M 81	RT	298.	310.		.	3	OT	ES	.		21	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 49	RT	284.	324.		.	3	OT	ES	.		18	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 25	RT	273.	246.		.	1	OT	ES	.		14	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 61	RT	334.	488.		.	4	OT	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 23	RT	378.	744.	6	.		OT	ES	.		12	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 57	RT	406.	848.		.	4	SO	ES	.		18	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 42	RT	342.	488.		.	4	OT	ES	.		17	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 80	RT	322.	404.		.	4	OT	ES	.		21	10	89	PEACO	.	1	0	MERCURY ANALYSIS
M 58	RT	345.	474.		.	4	OT	ES	.		19	10	89	PEACO	.	1	0	MERCURY ANALYSIS
C 793	RT	304.	.		.			GN	6.4		21	10	89	PEACO	KM06.0	1	0	
02441	RT	341.	.		.			ES	.		21	10	89	PEACO	KM06.6	0	0	
02327	RT	289.	.		.			ES	.	Y15667	20	10	89	PEACO	KM04.0	0	0	
02329	RT	322.	.		.	5		ES	.	Y15668	20	10	89	PEACO	KM04.0	0	0	AD
02316	RT	325.	.		.			ES	.	Y15669	20	10	89	PEACO	KM08.0	0	0	
02324	RT	367.	.		.	5		ES	.	Y15662	20	10	89	PEACO	KM08.0	0	0	AD
02174	RT	290.	.		.			ES	.	Y15682	18	10	89	PEACO	KM08.5	0	0	
02975	RT	425.	910.		.			ES	.	Y15576	18	10	89	PEACO	KM09.0	0	0	USED FOR TRANS. IMP
02977	RT	368.	746.		.			ES	.	Y15584	18	10	89	PEACO	KM09.0	0	0	USED FOR TRANS. IMP
02182	RT	373.	.		.			ES	.	Y15570	18	10	89	PEACO	KM09.0	0	0	
02976	RT	378.	728.		.			ES	.	Y15575	18	10	89	PEACO	KM09.0	0	0	USED FOR TRANS. IMP
02974	RT	512.	1780.		.			ES	.	Y15581	18	10	89	PEACO	KM09.0	0	0	USED FOR TRANS. IMP
02185	RT	437.	.		.			ES	.		18	10	89	PEACO	KM09.0	1	0	
02973	RT	385.	802.		.			ES	.	Y15568	17	10	89	PEACO	KM09.2	0	0	USED FOR TRANS. IMP
02171	RT	386.	.		.			ES	.	Y15554	17	10	89	PEACO	KM09.2	0	0	
02972	RT	383.	706.		.			ES	.	Y15544	17	10	89	PEACO	KM09.2	0	0	USED FOR TRANS. IMP
02148	RT	341.	.		.			ES	.	Y15538	17	10	89	PEACO	KM09.9	0	0	
01884	RT	278.	.		.			ES	.		15	10	89	PEACO	KM10.7	1	0	
01866	RT	296.	.		.			ES	.	Y15328	15	10	89	PEACO	KM10.7	0	0	
02970	RT	386.	724.		.			ES	.	Y15510	16	10	89	PEACO	KM10.8	0	0	USED FOR TRANS. IMP
02971	RT	386.	834.		.			ES	.	Y15512	16	10	89	PEACO	KM10.9	0	0	USED FOR TRANS. IMP
01798	RT	384.	.		.			ES	.	Y15290	14	10	89	PEACO	KM10.9	0	0	
01733	RT	274.	282.		.			ES	.		14	10	89	PEACO	KM11.2	1	0	
01978	RT	306.	.		.			ES	.	Y15419	18	10	89	PEACO	KM11.2	0	0	
01330	RT	350.	538.		.			ES	.	Y13735	12	10	89	PEACO	KM12.4	0	0	
01332	RT	312.	382.		.			ES	.	Y13736	12	10	89	PEACO	KM12.4	0	0	
01334	RT	381.	800.		.			ES	.	Y13734	12	10	89	PEACO	KM12.4	0	0	
C 85	RT	283.	.		.			ES	.	Y13777	8	10	89	PEACO	KM12.4	0	0	
01331	RT	188.	.		.			ES	.		12	10	89	PEACO	KM12.4	0	0	
01333	RT	357.	586.		.			ES	.	Y13737	12	10	89	PEACO	KM12.4	0	0	
C 318	RT	278.	.		.			ES	.	Y13891	11	10	89	PEACO	KM12.6	0	0	
02968	RT	424.	884.		.			ES	.	Y15046	14	10	89	PEACO	KM12.7	0	0	USED FOR TRANS. IMP
0 604	RT	257.	.		.	2		ES	.	Y13664	9	10	89	PEACO	KM12.9	0	0	(AD)
0 636	RT	363.	.		.	3		ES	.	Y13663	9	10	89	PEACO	KM12.9	0	0	L MAX
01158	RT	310.	348.		.			ES	.	Y13730	12	10	89	PEACO	KM13.0	0	0	
01156	RT	379.	750.		.			ES	.		12	10	89	PEACO	KM13.0	1	0	
01161	RT	297.	.		.			ES	.	Y13732	12	10	89	PEACO	KM13.0	0	0	
01424	RT	384.	536.		.			ES	.		13	10	89	PEACO	KM13.0	1	0	BROKEN BACK
C 289	RT	229.	.		.	1		ES	.		11	10	89	PEACO	KM13.0	0	0	LMAX
01154	RT	172.	.		.	1		ES	.		12	10	89	PEACO	KM13.0	0	0	LMAX
C 270	RT	273.	.		.	1		ES	.	Y13861	11	10	89	PEACO	KM13.0	0	0	RMAX
C 783	RT	401.	.		.			GN	.	Y15615	17	10	89	PEACO	KM13.0	0	0	
01162	RT	320.	.		.	2		ES	.	Y13733	12	10	89	PEACO	KM13.0	0	0	AD
0 376	RT	262.	.		.			ES	.	Y13659	8	10	89	PEACO	KM13.1	0	0	
0 326	RT	306.	.		.			ES	.	Y13657	8	10	89	PEACO	KM13.2	0	0	
0 322	RT	327.	.		.			ES	.	Y13656	8	10	89	PEACO	KM13.2	0	0	
01050	RT	306.	350.	16	.		OT	ES	.		11	10	89	PEACO	KM13.2	1	0	
0 308	RT	236.	.		.			ES	.		8	10	89	PEACO	KM13.3	0	0	
0 310	RT	333.	416.		.			ES	.	Y13654	8	10	89	PEACO	KM13.3	0	0	
0 312	RT	235.	.		.	1		ES	.		8	10	89	PEACO	KM13.3	0	0	LMAX
0 311	RT	356.	672.		.			ES	.	Y13653	6	10	89	PEACO	KM13.3	0	0	
0 186	RT	271.	241.		.	2		ES	.	Y13647	7	10	89	PEACO	KM13.3	0	0	AD
0 182	RT	364.	618.		.			ES	.	Y13651	7	10	89	PEACO	KM13.3	0	0	
0 298	RT	220.	.		.	1		ES	.		8	10	89	PEACO	KM13.3	0	0	LMAX
0 183	RT	380.	528.		.			ES	.	Y13648	7	10	89	PEACO	KM13.3	0	0	
0 175	RT	311.	396.		.	2		ES	.	Y13650	7	10	89	PEACO	KM13.3	0	0	AD
0 313	RT	391.	756.		.			ES	.		8	10	89	PEACO	KM13.3	1	0	
0 173	RT	224.	124.		.			ES	.		7	10	89	PEACO	KM13.3	0	0	
0 158	RT	218.	.		.	1		ES	.		7	10	89	PEACO	KM13.3	0	0	LMAX
0 168	RT	324.	392.		.	2		ES	.	Y13646	7	10	89	PEACO	KM13.3	0	0	AD
0 136	RT	271.	.		.			ES	.		7	10	89	PEACO	KM13.3	1	0	
0 140	RT	331.	.		.			ES	.	Y13643	7	10	89	PEACO	KM13.3	0	0	
0 168	RT	241.	.		.	1		ES	.	Y13649	7	10	89	PEACO	KM13.3	0	0	LMAX
01050	RT	389.	.		.			ES	.		11	10	89	PEACO	KM13.6	0	0	
01049	RT	381.	.		.			ES	.		11	10	89	PEACO	KM13.8	0	0	
0 107	RT	205.	.		.			ES	.		7	10	89	PEACO	KM13.7	0	0	
0 284	RT	195.	.		.	1		ES	.		8	10	89	PEACO	KM13.7	0	0	LMAX
0 247	RT	145.	.		.	1		ES	.		8	10	89	PEACO	KM13.7	0	0	LMAX
0 238	RT	209.	.		.	1		ES	.		8	10	89	PEACO	KM13.9	0	0	LMAX
0 22	RT	381.	800.		.			ES	.		7	10	89	PEACO	KM14.2	0	0	
0 1	RT	298.	.		.			ES	.	Y13630	7	10	89	PEACO	KM14.3	0	0	
0 940	RT	270.	.		.			ES	.	Y13726	11	10	89	PEACO	KM14.3	0	0	
0 887	RT	262.	.		.			ES	.	Y13756	11	10	89	PEACO	KM14.4	0	0	
C 197	RT	299.	.		.			ES	.	Y13807	11	10	89	PEACO	KM14.4	0	0	
C 196	RT	384.	.		.			ES	.	Y13806	11	10	89	PEACO	KM14.4	0	0	
0 850	RT	215.	.		.			ES	.		11	10	89	PEACO	KM14.4	0	0	
0 845	RT	392.	724.		.			ES	.		11	10	89	PEACO	KM14.4	1	0	
C 155	RT	321.	.		.			ES	.	Y13780	11	10	89	PEACO	KM14.6	0	0	
0 822	RT	318.	.		.			ES	.	Y13866	11	10	89	PEACO	KM14.6	0	0	
C 184	RT	299.	.		.			ES	.	Y13786	10	10	89	PEACO	KM14.8	0	0	
C 158	RT	278.	.		.			ES	.	Y13789	10	10	89	PEACO	KM14.8	0	0	
0 788	RT	242.	.		.	2		ES	.		10	10	89	PEACO	KM14.9	0	0	AD
0 786	RT	282.	.		.	2		ES	.	Y13872	10	10	89	PEACO	KM14.9	0	0	AD
0 790	RT	237.	.		.			ES	.		10	10	89	PEACO	KM14.9	0	0	

O	798	RT	233.	.	.	.	2	ES	.		10	10	89	PEACO	KM14.9	0	0	AD
O	800	RT	254.	.	.	.		ES	.	Y13674	10	10	89	PEACO	KM14.9	0	0	
O	789	RT	267.	.	.	.	2	ES	.	Y13668	10	10	89	PEACO	KM14.9	0	0	(AD)
O	799	RT	238.	.	.	.	2	ES	.		10	10	89	PEACO	KM14.9	0	0	AD
O	792	RT	258.	.	.	.		ES	.	Y13669	10	10	89	PEACO	KM14.9	0	0	
O	801	RT	153.	.	.	.	1	ES	.		10	10	89	PEACO	KM14.9	0	0	LMAX
O	794	RT	272.	.	.	.	2	ES	.	Y13671	10	10	89	PEACO	KM14.9	0	0	AD
O	797	RT	267.	.	.	.		ES	.	Y13673	10	10	89	PEACO	KM14.9	0	0	
O	793	RT	283.	.	.	.	1	ES	.	Y13670	10	10	89	PEACO	KM14.9	0	0	R MAX
C	808	RT	244.	.	.	.	1	AL	.	Y15525	26	10	89	PEACO	KM15.0	0	0	AD
C	789	RT	340.	510.	.	.		AL	.	Y15520	19	10	89	PEACO	KM15.0	0	0	
C	807	RT	242.	.	.	.		AL	.	Y15523	26	10	89	PEACO	KM15.0	0	0	
C	788	RT	332.	.	.	.		AL	.		19	10	89	PEACO	KM15.0	1	0	
C	785	RT	306.	.	.	.		AL	.	Y15517	19	10	89	PEACO	KM15.0	0	0	
C	786	RT	308.	.	.	.		AL	.	Y15516	19	10	89	PEACO	KM15.0	0	0	
C	786	RT	308.	.	.	.		AL	.	Y15518	19	10	89	PEACO	KM15.0	0	0	

****
NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***
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SPECIES = RT

LOCATION= PEACO SITE(S)= . KM06.0 KM06.6 KM08.0 KM08.5 KM09.0 KM09.2 KM09.8 KM10.7 KM10.8
KM10.9 KM11.2 KM12.4 KM12.6 KM12.7 KM12.9 KM13.0 KM13.1 KM13.2 KM13.3
KM13.6 KM13.7 KM13.8 KM14.2 KM14.3 KM14.4 KM14.6 KM14.8 KM14.9 KM15.0

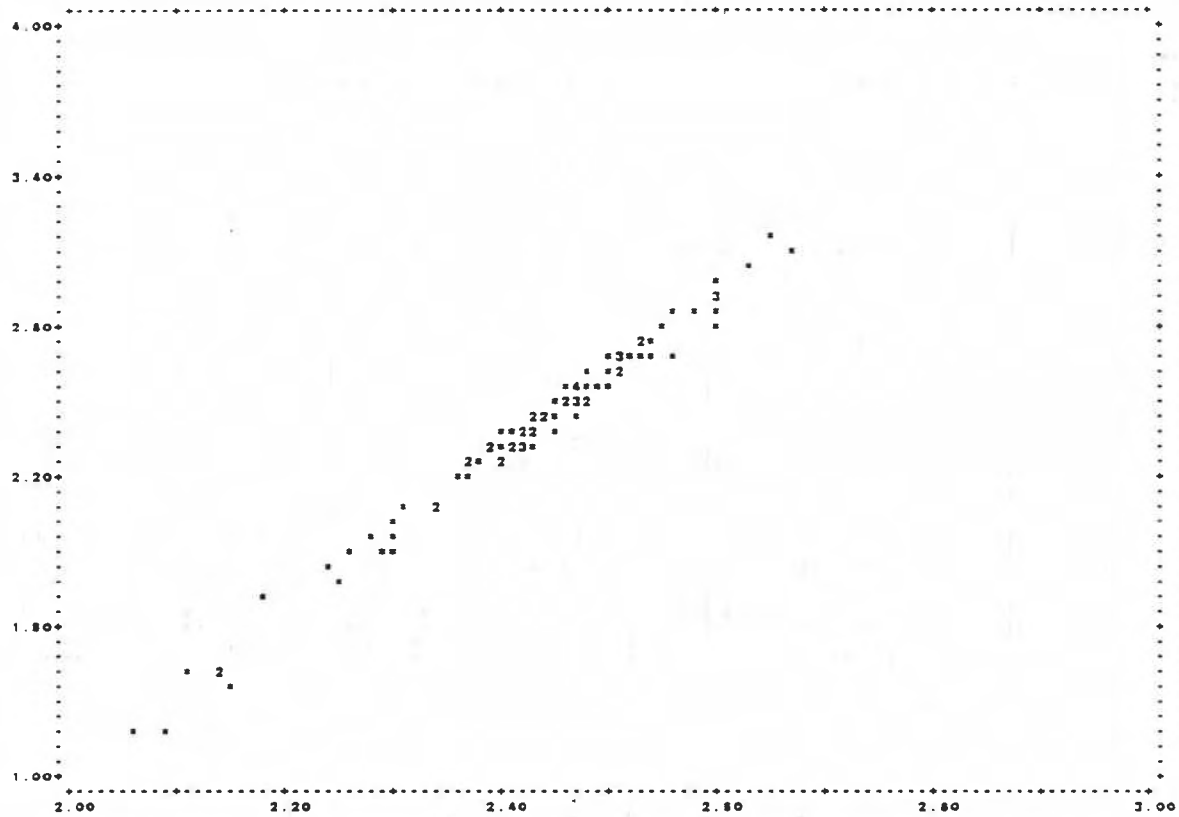
LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 112

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
140- 159	2	1.6	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
160- 179	1	0.8	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
180- 199	2	1.6	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 219	4	3.2	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
220- 239	8	6.4	1.10	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
240- 259	7	5.6	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
260- 279	21	16.8	1.16	8	1	12.5	1.24	1	0	0.0	0.00	0	1	100.0	1.38	1
280- 299	12	9.6	1.21	4	2	25.0	1.12	2	0	0.0	0.00	0	0	0.0	0.00	0
300- 319	14	11.2	1.23	7	2	25.0	1.21	2	2	50.0	1.21	2	0	0.0	0.00	0
320- 339	12	9.6	1.25	5	0	0.0	0.00	0	1	25.0	1.44	1	0	0.0	0.00	0
340- 359	10	8.0	1.27	7	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
360- 379	15	12.0	1.34	11	3	37.5	1.33	3	0	0.0	0.00	0	0	0.0	0.00	0
380- 399	10	8.0	1.33	7	0	0.0	0.00	0	1	25.0	1.46	1	0	0.0	0.00	0
400- 419	2	1.6	1.27	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
420- 439	4	3.2	1.20	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
440- 459	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
460- 479	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
480- 499	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 519	1	0.8	1.33	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	125	100.0	-	65	8	100.0	-	8	4	100.0	-	4	1	100.0	-	1
COND. FACTORS SUMMARY	MEAN =		1.2573		MEAN =		1.2358		MEAN =		1.3324		MEAN =		1.3914	
	STDDEV =		0.1381		STDDEV =		0.1310		STDDEV =		0.1367		STDDEV =		0.0000	
	COEVAR =		10.8273		COEVAR =		10.5876		COEVAR =		10.2619		COEVAR =		0.0000	
	STDERR =		0.0122		STDERR =		0.0463		STDERR =		0.0684		STDERR =		0.0000	
	N =		65		N =		8		N =		4		N =		1	

PLOT OF LOG10 LENGTH (X-AXIS) VRS LOG10 WEIGHT (Y-AXIS)



AGE-GROWTH ANALYSIS

ALL GROUPED

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX		305.0	323.0	449.0	487.0	428.0											
MEAN+CI		236.5	277.7	331.8	480.1												
MEAN		212.1	263.0	294.9	416.8	428.0											
MEAN-CI		187.8	248.4	258.9	353.5												
MIN		115.0	174.0	217.0	344.0	428.0											
NUMBER		21.	21.	15.	8.	1.											
SD	0.00	53.51	32.23	59.53	60.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	11.68	7.03	15.37	24.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	25.22	12.25	19.92	14.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX		380.0	488.0	1380.0	1280.0	1130.0											
MEAN+CI		193.6	332.6	825.7	1816.7												
MEAN		141.7	264.7	412.2	873.3	1130.0											
MEAN-CI		89.9	196.8	198.8	-70.1												
MIN		15.0	85.0	178.0	528.0	1130.0											
NUMBER		19.	13.	13.	3.	1.											
SD	0.00	107.55	112.38	353.43	379.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	24.67	31.18	98.02	219.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	75.88	42.45	85.75	43.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	1.558	1.478	1.525	1.297	1.441	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	1.242	1.403	1.325	1.346	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	1.168	1.345	1.241	1.257	1.441	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	1.094	1.288	1.158	1.168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.838	1.123	1.068	1.225	1.441	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER		18.	13.	13.	3.	1.											
SD	0.00	0.15	0.10	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.04	0.03	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	13.15	7.08	11.09	2.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NO MALES IN AGED SAMPLE

AGE-GROWTH ANALYSIS

FEMALES ONLY

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX		272.0															
MEAN+CI																	
MEAN		272.0															
MEAN-CI																	
MIN		272.0															
NUMBER		1.															
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX		276.0															
MEAN+CI																	
MEAN		276.0															
MEAN-CI																	
MIN		276.0															
NUMBER		1.															
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
CONDITION																	
MAX	0.000	1.372	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
MEAN	0.000	1.372	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
MEAN-CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
MIN	0.000	1.372	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0
NUMBER		1.															
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0

NO SEX INDETERMINABLE IN AGED SAMPLE

AGE-MATURITY ANALYSIS

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER	TOTAL
SEX/ MAT.																		
99																		0
1																		0
2																		0
3																		0
4																		0
5																		0
6																		0
7																		0
8																		0
9																		0
10																		0
11																		0
12																		0
13																		0
14		1																1
15																		0
16																		0
17																		0
18																		0
19																		0
20																		0
TOTAL		1																1

MEDIAN SIZE	284 MM	0 MM	271 MM	0 MM

WEIGHT FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = G	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
0- 49	6	6.7	1.01	6	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
50- 99	6	6.9	1.20	6	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
100- 149	5	5.6	1.27	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
150- 199	6	6.7	1.25	6	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 249	14	15.6	1.27	14	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
250- 299	6	6.9	1.24	6	0	0.0	0.00	0	1	100.0	1.37	1	0	0.0	0.00	0
300- 349	6	6.9	1.25	6	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
350- 399	10	11.1	1.36	10	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 449	2	2.2	1.31	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
450- 499	6	6.7	1.27	6	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
500- 549	5	5.6	1.42	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
550- 599	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
600- 649	1	1.1	1.46	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
650- 699	1	1.1	1.08	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
700- 749	3	3.3	1.34	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
750- 799	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
800- 849	2	2.2	1.30	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
850- 899	1	1.1	1.34	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
900- 949	1	1.1	1.47	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
950- 999	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1000-1049	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1050-1099	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1100-1149	1	1.1	1.44	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1150-1199	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1200-1249	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1250-1299	1	1.1	1.23	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1300-1349	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
1350-1399	1	1.1	1.52	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	90	100.0	-	90	0	0.0	-	0	1	100.0	-	1	0	0.0	-	0
COND. FACTORS SUMMARY	MEAN = 1.2707 STDDEV = 0.1500 COEVAR = 11.8012 STDERR = 0.0137 N = 90				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0				MEAN = 1.3715 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 1				MEAN = 0.0000 STDDEV = 0.0000 COEVAR = 0.0000 STDERR = 0.0000 N = 0			
MEDIAN SIZE	288 G				0 G				276 G				0 G			

University of Alberta

LENGTH - WEIGHT REGRESSION

1) THE COEF. OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.988609399

2) N = 90

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -5.366865 + 3.19253540 LOG10(LENGTH)

OR WEIGHT= 0.42967E-05 LENGTH TO THE 3.19253540

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF.	T	S.D.
INTERCEPT	-5.366865	-55.643127	0.096452
SLOPE	3.192535	80.521362	0.039648

5) LOG10(LENGTH) MEANS = 2.429389

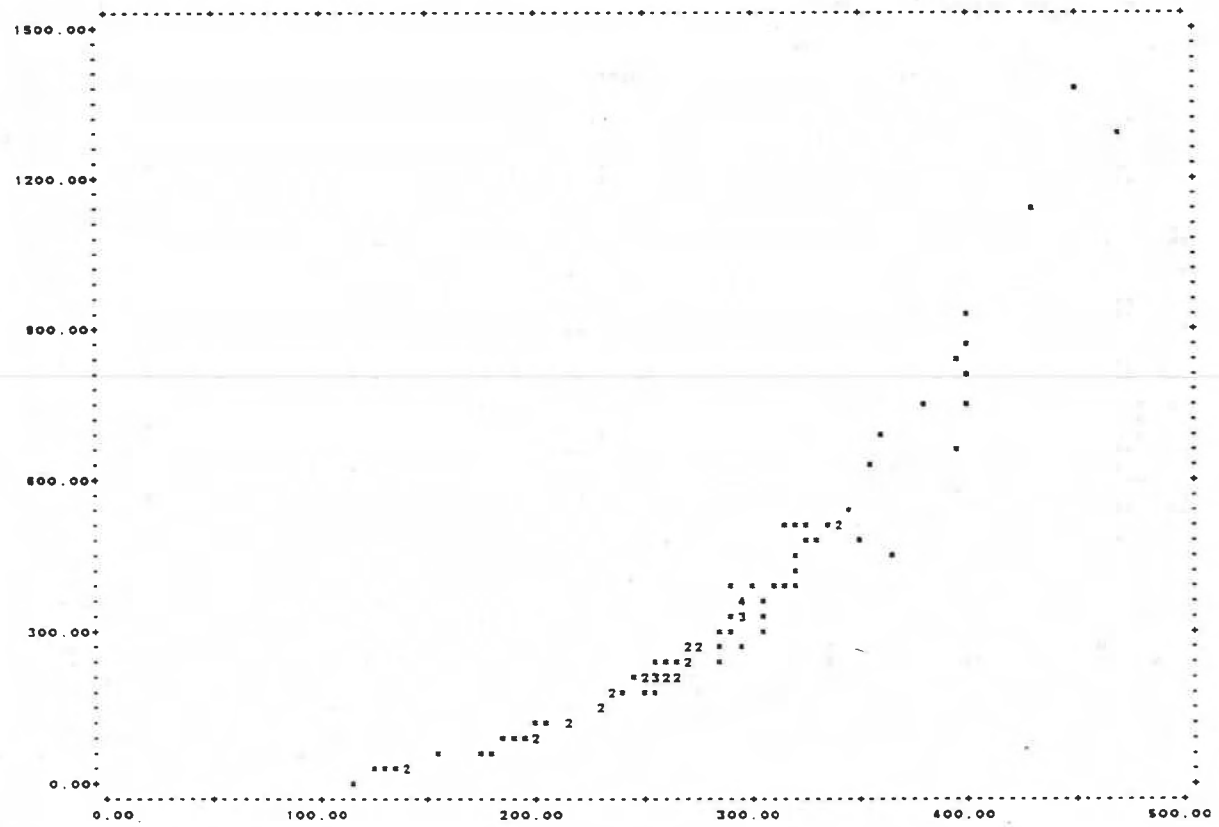
6) LOG10(WEIGHT) MEANS = 2.389045

7) SUM OF X SQUARED = 532.6130 SUM OF SMALL X SQUARED = 1.439208
8) SUM OF Y SQUARED = 528.5461 SUM OF SMALL Y SQUARED = 14.867920
9) SUM OF XY = 526.9473 SUM OF SMALL XY = 4.594482

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	14.88882706	14.88882706	6483.89140625
ERROR	88	0.19909286	0.00226242	
TOTAL	89	14.8679199		

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA
NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA
NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA - NEW SET OF DATA

PRINT-OUT OF RAW DATA TO BE ANALYSED

SAMPLE NO.	SP.	LENGTH (MM)	WEIGHT (G)	SEX-MAT.	GONAD WT(G)	AGE	AGE METH	CAPT METH	MESH (CM)	TAG NO.	DATE DAY	MO	YR	LOCATION	SITE	CAPT CODE	PRES CODE	COMMENTS
A3840	RT	428.	1130.			5	SC	ES		Y11520	26	8	89	PEACN	KM04.6	0	0	
A4280	RT	217.				3		ES			28	8	89	PEACN	KM06.2	0	0	L MAX
A4069	RT	467.				4	SC	ES		Y11862	28	8	89	PEACN	KM07.3	0	0	
A4029	RT	401.	746.					ES		Y11842	28	8	89	PEACN	KM07.4	0	0	
A3272	RT	251.	182.			1		ES		Y10788	24	8	89	PEACN	KM08.9	0	0	L MAX
A3208	RT	291.	319.			2		ES		Y10733	24	8	89	PEACN	KM09.1	0	0	(AD)
A3220	RT	322.	510.					ES		Y10740	24	8	89	PEACN	KM09.1	0	0	
A3211	RT	402.	870.					ES		Y10735	24	8	89	PEACN	KM09.1	0	0	
A3198	RT	337.	496					ES			24	8	89	PEACN	KM08.1	0	0	NO EYE (FRESH)
A3210	RT	396.	864.					ES		Y10734	24	8	89	PEACN	KM09.1	0	0	
A3146	RT	353.	642.					ES		Y10843	24	8	89	PEACN	KM09.2	0	0	
A3162	RT	388.	934.			3		ES		Y10847	24	8	89	PEACN	KM09.2	0	0	L MAX
A3169	RT	323.	488.			2		ES		Y10848	24	8	89	PEACN	KM09.2	0	0	AD
A3156	RT	338.	520.					ES		Y10883	24	8	89	PEACN	KM09.2	0	0	
A3144	RT	386.	830.					ES		Y10842	24	8	89	PEACN	KM09.2	0	0	
A3129	RT	246.	208.					ES		Y10834	24	8	89	PEACN	KM09.4	0	0	
A3124	RT	288.	288.			2		ES		Y10831	24	8	89	PEACN	KM09.4	0	0	AD
A3139	RT	444.				4	SC	ES		Y10839	24	8	89	PEACN	KM09.4	0	0	
A3138	RT	471.	1280.			4	SC	ES		Y10838	24	8	89	PEACN	KM09.4	0	0	
A3674	RT	283.				2		ES		Y10973	25	8	89	PEACN	KM09.6	0	0	AD
A3642	RT	336.						ES		Y10942	25	8	89	PEACN	KM09.6	0	0	
A3049	RT	280.	206.			1		ES		Y10603	24	8	89	PEACN	KM09.7	0	0	L MAX
A3048	RT	379.	738.					ES		Y10583	24	8	89	PEACN	KM09.7	0	0	
A2885	RT	211.				1		ES			20	8	89	PEACN	KM09.7	0	0	L MAX
A2845	RT	378.						ES		Y10313	20	8	89	PEACN	KM09.7	0	0	
A2859	RT	336.						ES		Y10323	20	8	89	PEACN	KM09.7	0	0	
A2860	RT	322.						ES		Y10341	20	8	89	PEACN	KM09.7	0	0	
A2831	RT	198.	112.					ES			20	8	89	PEACN	KM09.9	0	0	
A3523	RT	353.				4		ES		Y10952	25	8	89	PEACN	KM09.9	0	0	R MAX
A2839	RT	203.	120.					ES			20	8	89	PEACN	KM09.9	0	0	
A3531	RT	217.	118.			1		ES			25	8	89	PEACN	KM09.9	0	0	L MAX
A2837	RT	217.	122.			1		ES			20	8	89	PEACN	KM09.9	0	0	L MAX
A3520	RT	322.	420.			3		ES			25	8	89	PEACN	KM09.9	0	0	L MAX
A2916	RT	275.						ES		Y10656	23	8	89	PEACN	KM10.2	0	0	
A3425	RT	324.	482.					ES		Y10679	25	8	89	PEACN	KM10.2	0	0	
A2942	RT	199.				1		ES			23	8	89	PEACN	KM10.2	0	0	L MAX
A2943	RT	280.				2		ES		Y10525	23	8	89	PEACN	KM10.2	0	0	AD
A2531	RT	318.	438.				SC	ES		Y10237	19	8	89	PEACN	KM10.3	0	0	
A2533	RT	290.	380.			1		ES		Y10239	19	8	89	PEACN	KM10.3	0	0	R MAX
A2532	RT	320.	382.				SC	ES		Y10238	19	8	89	PEACN	KM10.3	0	0	
A2534	RT	307.					SC	ES		Y10240	19	8	89	PEACN	KM10.3	0	0	
A2141	RT	449.	1280.			3	SC	ES		Y 9952	18	8	89	PEACN	KM10.7	0	0	
A2140	RT	331.	460.			3	SC	ES		Y 9953	18	8	89	PEACN	KM10.7	0	0	
A2189	RT	232.	146.			1		ES			18	8	89	PEACN	KM10.7	0	0	LMAX
A2893	RT	288.						ES		Y10488	23	8	89	PEACN	KM10.7	0	0	
A2891	RT	388.						ES			23	8	89	PEACN	KM10.7	0	0	
A2913	RT	383.						ES		Y10688	23	8	89	PEACN	KM10.7	0	0	
A2181	RT	402.	812.			4	SC	ES		Y 9996	18	8	89	PEACN	KM10.8	0	0	
A3374	RT	315.						ES		Y10853	25	8	89	PEACN	KM10.8	0	0	
A2381	RT	340.						ES		Y10125	19	8	89	PEACN	KM10.8	0	0	
A3982	RT	307.						ES		Y10443	25	8	89	PEACN	KM10.9	0	0	HOLDING PEN (HP)
A3984	RT	300.				2		ES		Y10480	26	8	89	PEACN	KM10.8	0	0	AD (HP)
A3983	RT	284.				2		ES		Y10446	25	8	89	PEACN	KM10.9	0	0	AD (HP)
A2280	RT	380.	700.				SC	ES		Y10088	19	8	89	PEACN	KM11.3	0	0	
A1891	RT	250.	220.			2		ES		Y 9824	16	8	89	PEACN	KM12.0	0	0	(AD)
A1187	RT	339.	522.					ES		Y 9279	15	8	89	PEACN	KM12.1	0	0	
A1191	RT	295.	372.			2		ES		Y 9288	15	8	89	PEACN	KM12.1	0	0	AD
A1193	RT	153.	50.					ES			15	8	89	PEACN	KM12.1	0	0	
A1935	RT	298.	322.					ES		Y 9829	17	8	89	PEACN	KM12.2	0	0	
A1129	RT	315.	500.					ES		Y 9245	15	8	89	PEACN	KM12.3	0	0	
A1100	RT	137.	28.					ES			15	8	89	PEACN	KM12.3	0	0	
A1887	RT	248.				2		ES		Y 9806	17	8	89	PEACN	KM12.8	0	0	AD
A1848	RT	286.	380.				SC	ES		Y 9773	17	8	89	PEACN	KM12.8	0	0	
A1847	RT	297.	388.			2	SC	ES		Y 9772	17	8	89	PEACN	KM12.8	0	0	
A1549	RT	233.	170.					ES			16	8	89	PEACN	KM12.8	0	0	
A3868	RT	258.						ES			28	8	89	PEACN	KM12.9	0	0	(HP)
A1785	RT	128.	28.			1		ES			17	8	89	PEACN	KM13.0	0	0	(LMAX)
A1485	RT	253.	230.					ES		Y 9528	16	8	89	PEACN	KM13.0	0	0	
A1388	RT	164.	82.			1		ES			16	8	89	PEACN	KM13.3	0	0	(L MAX)
A1387	RT	297.	384.					ES		Y 9440	16	8	89	PEACN	KM13.3	0	0	
A1386	RT	230.	164.			2		ES			16	8	89	PEACN	KM13.3	0	0	(AD)
A 325	RT	315.				3		ES		Y 8589	10	8	89	PEACN	KM13.5	0	0	LMAX
A 222	RT	278.						ES		Y 8584	10	8	89	PEACN	KM13.8	0	0	
A 215	RT	240.				2		ES		Y 8581	10	8	89	PEACN	KM13.8	0	0	AD
A 52	RT	146.						ES			9	8	89	PEACN	KM14.0	0	0	
A 143	RT	248.				2		ES		Y 8848	10	8	89	PEACN	KM14.0	0	0	AD
A 731	RT	281.	242.					ES		Y 8998	13	8	89	PEACN	KM14.3	0	0	
A 728	RT	293.	272.					ES		Y 8996	13	8	89	PEACN	KM14.3	0	0	
A 722	RT	348.	488.					ES		Y 8990	13	8	89	PEACN	KM14.3	0	0	(LMAX)
A 733	RT	272.	250.					ES		Y 7975	13	8	89	PEACN	KM14.3	0	0	(LRMAX)
A 717	RT	257.	224.			2		ES		Y 8986	13	8	89	PEACN	KM14.3	0	0	(AD)
A 732	RT	301.	392.					ES		Y 8999	13	8	89	PEACN	KM14.3	0	0	
A 730	RT	285.	302.					ES		Y 8997	13	8	89	PEACN	KM14.3	0	0	
A 724	RT	280.	216.			3		ES		Y 8984	13	8	89	PEACN	KM14.3	0	0	(LMAX)
A2790	RT	194.	78.			1		ES			21	8	89	PEACN	KM14.4	0	0	L MAX
A2780	RT	303.	356.					ES		Y10406	21	8	89	PEACN	KM14.4	0	0	
A2777	RT	198.	84.			1		ES			21	8	89	PEACN	KM14.4	0	0	L MAX
A2798	RT	272.	278.	14		1	SO	ES			21	8	89	PEACN	KM14.4	1	0	RMAX ST10(CHIRSTRI2
A2787	RT	272.	228.			2		ES		Y10412	21	8	89	PEACN	KM14.4	0	0	AD
A2792	RT	253.	178.			3		ES		Y10414	21	8	89	PEACN	KM14.4	0	0	L MAX
A2791	RT	277.	278.			3		ES		Y10413	21	8	89	PEACN	KM14.4	0	0	L MAX
A2731	RT	344.	528.			4		ES		Y10370	21	8	89	PEACN	KM14.6	0	0	R MAX
A2732	RT	275.	288.					ES		Y10371	21	8	89	PEACN	KM14.6	0	0	
A2727	RT	174.	66.			2		ES			21	8	89	PEACN	KM14.6	0	0	AD
A2734	RT	200.	92.			1		ES			21	8	89	PEACN	KM14.6	0	0	L MAX
A2729	RT	364.	456.					ES		Y10388	21	8	89	PEACN	KM14.6	0	0	
A2720	RT	288.	306.					ES		Y10382	21	8	89	PEACN	KM14.6	0	0	
A2728	RT	192.	90.					ES			21	8	89	PEACN	KM14.6	0	0	
A2711	RT	284.	272.			3		ES			21	8	89	PEACN	KM14.6	0	0	L MAX
A2719	RT	237.	184.			2		ES			21	8	89	PEACN	KM14.6	0	0	AD
A2712	RT	312.	381.					ES		Y10355	21	8	89	PEACN	KM14.6	0	0	
A 906	RT	138.	28.			1		ES			14	8	89	PEACN	KM14.7	0	0	(LMAX)
A 681	RT	297.	334.					ES		Y 8958	13	8	89	PEACN	KM14.7	0	0	
A 935	RT	247.				2		ES		Y 9155	14	8	89	PEACN	KM14.7	0	0	AD
A 884	RT	293.	336.			2		ES		Y 8981	13	8	89	PEACN	KM14.7	0	0	(AD)
A 883	RT	258.	204.			3		ES		Y 8980	13	8	89	PEACN	KM14.7	0	0	(LMAX)
A 885	RT	313.	388.					ES		Y 8982	13	8	89	PEACN	KM14.7	0	0	
A 904	RT	288.	214.			3		ES		Y 9121	14	[illegible]	[illegible]	PEACN	KM14.7	0	0	(LMAX)
A 902	RT	178.	60.			1		ES			14	[illegible]	[illegible]	PEACN	KM14.7	0	0	(LMAX)

A 906	RT	142.	24.	.	1	ES	.		14	8	89	PEACN	KM14.7	0	0	(LMAX)
A 903	RT	267.	220.	.	1	ES	.	Y 9120	14	8	89	PEACN	KM14.7	0	0	(RMAX)
A 882	RT	245.	206.	.	2	ES	.	Y 8959	13	8	89	PEACN	KM14.7	0	0	(AD)
A 901	RT	240.	176.	.		ES	.	Y 9119	14	8	89	PEACN	KM14.7	0	0	
A 841	RT	257.	218.	.	1	ES	.	Y 8927	13	8	89	PEACN	KM14.8	0	0	(rmax)
A 878	RT	115.	15.	.	1	ES	.		14	8	89	PEACN	KM14.9	0	0	(LMAX)
A 861	RT	266.	228.	.	3	ES	.	Y 9043	14	8	89	PEACN	KM14.9	0	0	(LMAX)
A 869	RT	124.	16.	.		ES	.		14	8	89	PEACN	KM14.9	0	0	
A 866	RT	305.	336.	.	1	ES	.	Y 9073	14	8	89	PEACN	KM14.9	0	0	(RMAX)
A 862	RT	303.	302.	.	3	ES	.	Y 9071	14	8	89	PEACN	KM14.9	0	0	(LMAX)
A 868	RT	285.	252.	.	3	ES	.	Y 9074	14	8	89	PEACN	KM14.9	0	0	(LMAX)

NOTE SEPARATE ANALYSIS FOR EACH SPECIES AND EACH LOCATION (SITES AT EACH LOCATION GROUPED)***NOTE***

SPECIES = RT

LOCATION= PEACN SITE(S)=KM04.6 KM06.2 KM07.3 KM07.4 KM08.9 KM09.1 KM09.2 KM09.4 KM09.6 KM09.7
KM09.9 KM10.2 KM10.3 KM10.7 KM10.8 KM10.9 KM11.3 KM12.0 KM12.1 KM12.2
KM12.3 KM12.6 KM12.8 KM12.9 KM13.0 KM13.3 KM13.5 KM13.8 KM14.0 KM14.3
KM14.4 KM14.6 KM14.7 KM14.8 KM14.9

LENGTH - WEIGHT ANALYSIS

NO. FISH NOT SEXED = 119

LENGTH FREQUENCY DISTRIBUTION

CLASS INTERVAL UNITS = MM	ALL GROUPED # FISH	%	MEAN CF	N	MALES # FISH	%	MEAN CF	N	FEMALES # FISH	%	MEAN CF	N	SEX INDETERMINABLE # FISH	%	MEAN CF	N
100- 119	1	0.8	0.88	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
120- 139	4	3.3	1.06	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
140- 159	3	2.5	1.12	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
160- 179	2	1.7	1.16	2	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
180- 199	6	5.0	1.23	5	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
200- 219	6	5.0	1.23	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
220- 239	4	3.3	1.29	4	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
240- 259	15	12.5	1.29	10	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
260- 279	16	13.3	1.25	12	0	0.0	0.00	0	1	100.0	1.37	1	0	0.0	0.00	0
280- 299	16	13.3	1.30	14	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
300- 319	13	10.8	1.31	8	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
320- 339	12	10.0	1.35	8	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
340- 359	5	4.2	1.30	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
360- 379	4	3.3	1.27	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
380- 399	5	4.2	1.30	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
400- 419	3	2.5	1.25	3	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
420- 439	1	0.8	1.44	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
440- 459	2	1.7	1.52	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
460- 479	1	0.8	1.23	1	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
480- 499	1	0.8	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0	0	0.0	0.00	0
TOTALS	120	100.0	-	90	0	0.0	-	0	1	100.0	-	1	0	0.0	-	0

COND. FACTORS SUMMARY	ALL GROUPED	MALES	FEMALES	SEX INDETERMINABLE
MEAN =	1.2707	0.0000	1.3715	0.0000
STDDEV =	0.1500	0.0000	0.0000	0.0000
COEVAR =	11.8012	0.0000	0.0000	0.0000
STDERR =	0.0137	0.0000	0.0000	0.0000
N =	90	0	1	0

AGE-GROWTH ANALYSIS

MALES ONLY

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX						397.0											
MEAN+CI																	
MEAN						397.0											
MEAN-CI																	
MIN						397.0											
NUMBER						1.											
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX																	
MEAN+CI																	
MEAN																	
MEAN-CI																	
MIN																	
NUMBER																	
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER																	
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NO FEMALES IN AGED SAMPLE

AGE-GROWTH ANALYSIS

SEX INDETERMINABLE

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER
LENGTH(MM)																	
MAX			196.0														
MEAN+CI																	
MEAN			196.0														
MEAN-CI																	
MIN			196.0														
NUMBER			1.														
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX			69.0														
MEAN+CI																	
MEAN			69.0														
MEAN-CI																	
MIN			69.0														
NUMBER			1.														
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	0.000	1.182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.000	1.182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	1.182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER			1														
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AGE-MATURITY ANALYSIS

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OLDER	TOTAL
SEX/																		
MAT.																		1
99			1															0
1																		0
2																		0
3																		0
4																		0
5																		0
6																		0
7																		0
8																		1
9						1												0
10																		0
11																		0
12																		0
13																		0
14																		0
15																		0
16																		0
17																		0
18																		0
19																		0
20																		
OTAL			1			1												2

3:48:46 T=1.148 RC=0

SIG

LENGTH - WEIGHT REGRESSION

1) THE COEF. OF DETERMINATION (R SQUARED) OF THE LENGTH-WEIGHT RELATIONSHIP = 0.980568995

2) N = 30

3) THE LENGTH - WEIGHT REGRESSION EQUATION IS LOG10(WEIGHT) = -5.628645 + 3.27696991 LOG10(LENGTH)

OR WEIGHT= 0.23516E-05 LENGTH TO THE 3.27696991

4) TEST OF REGRESSION COEFFICIENTS:

	REGRESSION COEFF.	T	S.D.
INTERCEPT	-5.628645	-40.779068	0.138028
SLOPE	3.276970	54.223965	0.060427

5) LOG10(LENGTH) MEANS = 2.280344

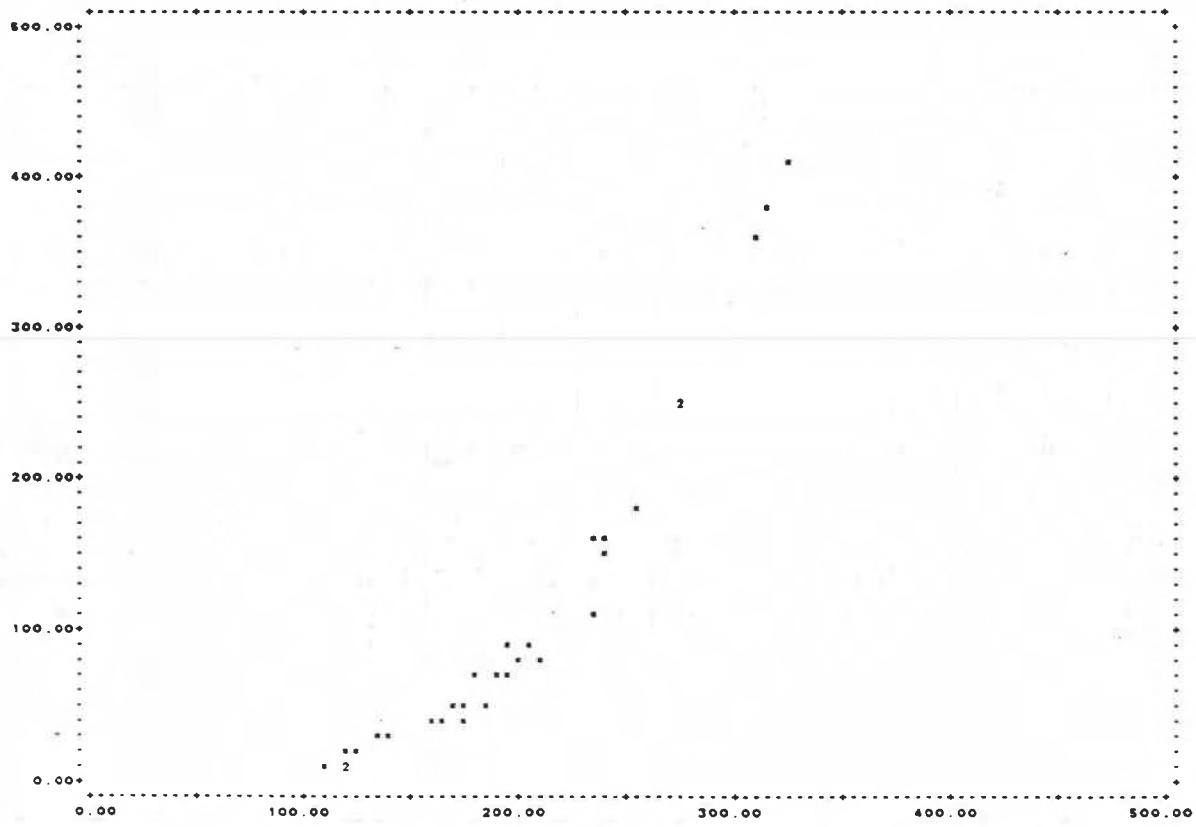
6) LOG10(WEIGHT) MEANS = 1.843973

7) SUM OF X SQUARED = 156.5267 SUM OF SMALL X SQUARED = 0.527557
8) SUM OF Y SQUARED = 107.7262 SUM OF SMALL Y SQUARED = 5.718131
9) SUM OF XY = 127.8756 SUM OF SMALL XY = 1.728821

10) ANALYSIS OF VARIANCE TABLE:

SOURCE	D.F.	SUM SQ.	MEAN SQ	F
REGRESS	1	5.66519356	5.66519356	2940.88916016
ERROR	28	0.05383791	0.00192635	
TOTAL	29	5.7181315		

PLOT OF LENGTH (X-AXIS) VRS WEIGHT (Y-AXIS)



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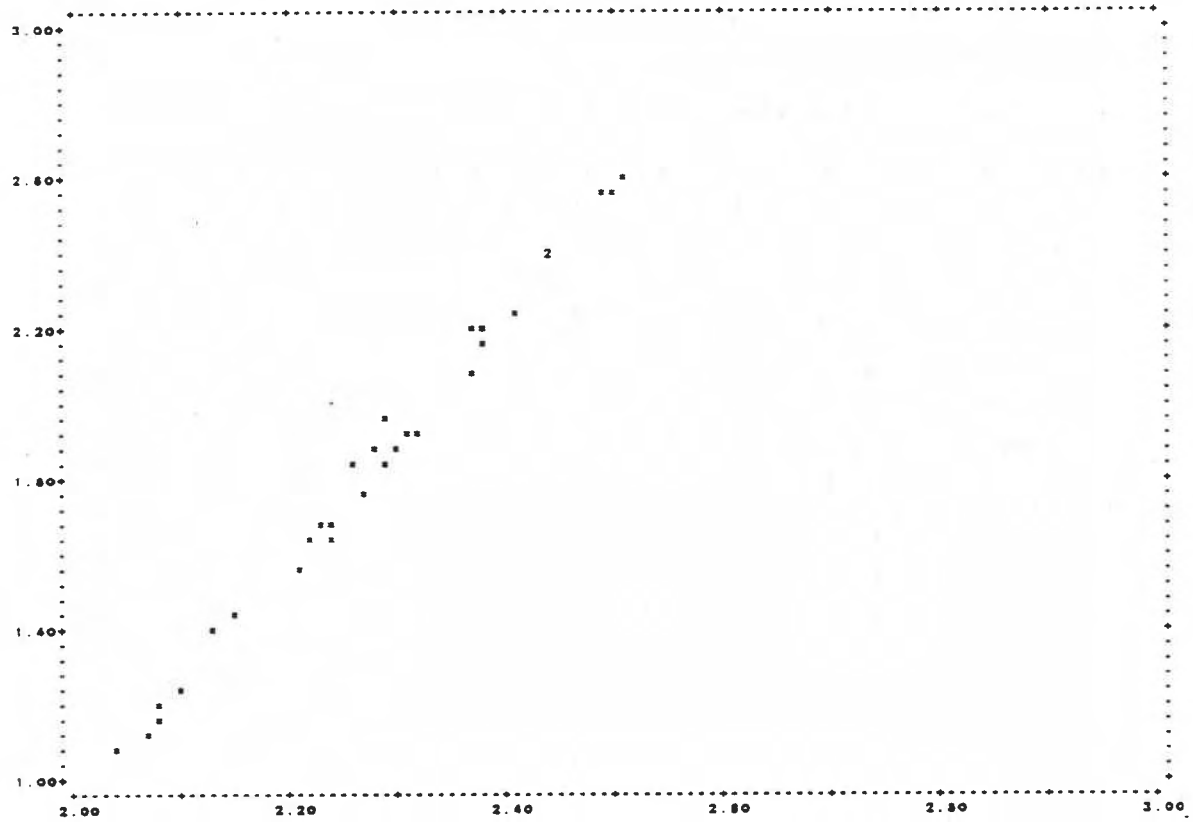
PLOT OF LOG10 LENGTH (X-AXIS) VRS LOG10 WEIGHT (Y-AXIS)



AGE-GROWTH ANALYSIS

ALL GROUPED

AGE-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OUTER
LENGTH(MM)																	
MAX		140.0	278.0	327.0		387.0											
MEAN+CI		133.7	221.0	344.6		595.5											
MEAN		124.1	207.7	302.2		371.5											
MEAN-CI		114.6	194.3	259.8		47.5											
MIN		109.0	161.0	242.0		346.0											
NUMBER		7.	27.	5.		2.											
SD	0.00	10.32	33.80	34.17	0.00	35.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	3.90	6.51	15.28	0.00	25.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	8.31	16.28	11.31	0.00	9.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT(G)																	
MAX		28.0	251.0	406.0													
MEAN+CI		24.1	137.1	509.4													
MEAN		16.3	103.2	322.0													
MEAN-CI		12.5	69.4	134.6													
MIN		12.0	36.0	146.0													
NUMBER		7.	18.	4.													
SD	0.00	6.29	84.06	117.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	2.38	16.04	58.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	34.40	85.93	36.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONDITION																	
MAX	0.000	1.061	1.225	1.208	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN+CI	0.000	1.015	1.067	1.256	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.000	0.924	1.022	1.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN-CI	0.000	0.833	0.958	1.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.791	0.840	1.044	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NUMBER		7.	18.	4.													
SD	0.00	0.10	0.13	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STERR	0.00	0.04	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVAR	0.00	10.66	12.77	6.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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MW	7240	PEACE	890622	ES	PEACE	890624	ES	122	114	2	-6
MW	9356	PEACE	890815	ES	PEACE	890817	ES	118	115	2	-3
MW	10005	PEACE	890818	ES	PEACE	890820	ES	107	103	2	-4
MW	9242	PEACE	890815	ES	PEACE	890817	ES	123	122	2	-1
MW	8740	PEACE	890812	ES	PEACE	890815	ES	139	131	3	-8
MW	8899	PEACE	890812	ES	PEACE	890815	ES	128	123	3	-5
MW	7023	PEACE	890621	ES	PEACE	890624	ES	128	116	3	-12
MW	5514	PEACE	890601	ES	PEACE	890604	ES	143	143	3	0
MW	5508	PEACE	890601	ES	PEACE	890604	ES	143	143	3	0
MW	10220	PEACE	890819	ES	PEACE	890823	ES	103	102	4	-1
MW	10122	PEACE	890819	ES	PEACE	890823	ES	108	107	4	-1
MW	10281	PEACE	890820	ES	PEACE	890825	ES	99	99	5	0
MW	10298	PEACE	890820	ES	PEACE	890825	ES	99	96	5	-3
MW	10015	PEACE	890818	ES	PEACE	890823	ES	107	102	5	-5
MW	8518	PEACE	890810	ES	PEACE	890816	ES	135	133	6	-2
MW	10111	PEACE	890819	ES	PEACE	890825	ES	111	108	6	-3
MW	9930	PEACE	890818	ES	PEACE	890825	ES	107	108	7	1
MW	10279	PEACE	890820	ES	PEACE	890827	GN	99	103	7	4
MW	9972	PEACE	890818	ES	PEACE	890825	ES	107	108	7	1
MW	9878	PEACE	890818	ES	PEACE	890825	ES	110	107	7	-3
MW	9988	PEACE	890818	ES	PEACE	890825	ES	107	110	7	3
MW	8883	PEACE	890812	ES	PEACE	890820	AL	128	116	8	-12
MW	7986	PEACE	890813	ES	PEACE	890821	ES	143	144	8	1
MW	3965	PEACE	890617	ES	PEACE	890625	ES	132	130	8	-2
MW	9069	PEACE	890813	ES	PEACE	890821	ES	143	144	8	1
MW	10126	PEACE	890819	ES	PEACE	890903	AL	108	108	15	0
MW	4239	PEACE	890604	ES	PEACE	890621	ES	143	128	17	-15
MW	7857	PEACE	890625	ES	PEACE	890713	AL	120	121	18	1
MW	7171	PEACE	890621	ES	PEACE	890711	AL	122	126	20	4
MW	4206	PEACE	890602	ES	PEACE	890713	AL	143	143	41	0
MW	10838	PEACE	890825	ES	PEACE	891009	ES	107	125	45	18
MW	7971	PEACE	890629	ES	PEACE	890818	ES	107	107	50	0
MW	10821	PEACE	890825	ES	PEACE	891014	ES	108	109	50	1
MW	7772	PEACE	890625	ES	PEACE	890815	ES	130	127	51	-3
MW	9436	PEACE	890916	ES	PEACE	891007	ES	133	133	52	0
MW	7562	PEACE	890624	ES	PEACE	890815	ES	116	116	52	0
MW	11964	PEACE	890828	ES	PEACE	891019	ES	67	94	52	27
MW	7592	PEACE	890624	ES	PEACE	890815	ES	116	116	52	0
MW	13425	PEACE	890830	ES	PEACE	891021	ES	64	67	52	3
MW	13374	PEACE	890830	ES	PEACE	891021	ES	64	66	52	2
MW	9755	PEACE	890817	ES	PEACE	891009	ES	128	129	53	1
MW	9731	PEACE	890817	ES	PEACE	891009	ES	128	129	53	1
MW	9548	PEACE	890816	ES	PEACE	891008	ES	128	128	53	0
MW	13194	PEACE	890829	ES	PEACE	891021	ES	61	66	53	5
MW	9723	PEACE	890817	ES	PEACE	891009	ES	128	129	53	1
MW	5009	PEACE	890617	ES	PEACE	890809	ES	138	140	53	2
MW	9749	PEACE	890817	ES	PEACE	891009	ES	126	127	53	1
MW	5031	PEACE	890617	ES	PEACE	890809	ES	138	140	53	2
MW	11959	PEACE	890828	ES	PEACE	891021	ES	67	67	54	0
MW	11910	PEACE	890828	ES	PEACE	891021	ES	71	66	54	-5
MW	3950	PEACE	890617	ES	PEACE	890810	ES	140	140	54	0
MW	13114	PEACE	890829	ES	PEACE	891022	ES	64	65	54	1
MW	10009	PEACE	890818	ES	PEACE	891011	ES	107	143	54	36
MW	11874	PEACE	890828	ES	PEACE	891021	ES	72	71	54	-1
MW	13138	PEACE	890829	ES	PEACE	891022	ES	63	61	54	-2
MW	9188	PEACE	890815	ES	PEACE	891008	ES	127	125	54	1
MW	7232	PEACE	890622	ES	PEACE	890815	ES	122	123	54	1
MW	13184	PEACE	890829	ES	PEACE	891022	ES	63	65	54	2

MW	9228	PEACE	890815	ES	PEACE	891009	ES	123	125	55	2
MW	7694	PEACE	890626	ES	PEACE	890820	ES	99	99	55	0
MW	7695	PEACE	890626	ES	PEACE	890820	ES	99	99	55	0
MW	7701	PEACE	890624	ES	PEACE	890818	ES	113	110	55	-3
MW	10148	PEACE	890819	ES	PEACE	891013	ES	106	127	55	21
MW	10278	PEACE	890820	ES	PEACE	891014	ES	99	109	55	0
MW	9134	PEACE	890815	ES	PEACE	891009	ES	131	131	55	0
MW	7731	PEACE	890626	ES	PEACE	890820	ES	99	97	55	-2
MW	10121	PEACE	890819	ES	PEACE	891014	ES	108	109	56	1
MW	13433	PEACE	890830	ES	PEACE	891025	ES	64	63	56	1
MW	7318	PEACE	890623	ES	PEACE	890818	ES	112	110	56	-2
MW	10039	PEACE	890819	ES	PEACE	891014	ES	113	112	56	-1
MW	7416	PEACE	890623	ES	PEACE	890818	ES	111	110	56	1
MW	8964	PEACE	890813	ES	PEACE	891008	ES	143	139	56	-4
MW	7396	PEACE	890623	ES	PEACE	890818	ES	111	110	56	-1
MW	10067	PEACE	890819	ES	PEACE	891014	ES	111	109	56	2
MW	7473	PEACE	890623	ES	PEACE	890818	ES	109	107	56	2
MW	7360	PEACE	890623	ES	PEACE	890818	ES	112	110	56	-2
MW	9850	PEACE	890817	ES	PEACE	891012	ES	118	130	56	2
MW	7487	PEACE	890623	ES	PEACE	890818	ES	109	107	56	2
MW	9597	PEACE	890816	ES	PEACE	891011	ES	125	126	56	1
MW	7429	PEACE	890623	ES	PEACE	890818	ES	111	110	56	-1
MW	11662	PEACE	890827	ES	PEACE	891023	ES	30	26	57	4
MW	7510	PEACE	890623	ES	PEACE	890819	ES	109	106	57	-3
MW	9926	PEACE	890818	ES	PEACE	891014	ES	107	109	57	2
MW	11706	PEACE	890827	ES	PEACE	891023	ES	28	26	57	2
MW	10499	PEACE	890823	ES	PEACE	891019	ES	107	108	57	1
MW	8101	PEACE	890624	ES	PEACE	890820	ES	98	97	57	-1
MW	10581	PEACE	890823	ES	PEACE	891019	ES	98	94	57	4
MW	4178	PEACE	890621	ES	PEACE	890817	ES	128	128	57	0
MW	10127	PEACE	890819	ES	PEACE	891015	ES	108	107	57	-1
MW	9935	PEACE	890818	ES	PEACE	891014	ES	107	109	57	2
MW	7445	PEACE	890623	ES	PEACE	890819	ES	109	108	57	1
MW	8874	PEACE	890812	ES	PEACE	891008	ES	128	131	57	3
MW	7010	PEACE	890621	ES	PEACE	890817	ES	128	128	57	0
MW	10046	PEACE	890819	ES	PEACE	891016	ES	113	112	58	1
MW	7331	PEACE	890622	ES	PEACE	890819	ES	110	108	58	2
MW	8701	PEACE	890810	ES	PEACE	891007	ES	139	142	58	3
MW	7738	PEACE	890626	ES	PEACE	890823	ES	99	98	58	-1
MW	9301	PEACE	890815	ES	HALF	891012	ES	121	12	58	9
MW	9484	PEACE	890816	ES	PEACE	891013	ES	130	121	58	-9
MW	9650	PEACE	890816	ES	PEACE	891013	ES	120	121	58	1
MW	9109	PEACE	890814	ES	PEACE	891011	ES	147	144	58	3
MW	9379	PEACE	890815	ES	PEACE	891012	ES	116	128	58	2
MW	7736	PEACE	890626	ES	PEACE	890823	ES	99	98	58	-1
MW	9338	PEACE	890815	ES	PEACE	891012	ES	118	124	58	6
MW	10547	PEACE	890824	ES	PEACE	891022	ES	97	61	59	6
MW	9383	PEACE	890815	ES	PEACE	891013	ES	116	116	59	0
MW	9122	PEACE	890814	ES	PEACE	891012	ES	147	126	59	-21
MW	9365	PEACE	890815	ES	PEACE	891013	ES	116	116	59	0
MW	9331	PEACE	890815	ES	PEACE	891013	ES	118	117	59	1
MW	9986	PEACE	890818	ES	PEACE	891016	ES	107	108	59	1
MW	8783	PEACE	890812	ES	PEACE	891011	ES	134	130	60	4
MW	10296	PEACE	890820	ES	PEACE	891019	ES	99	91	60	8
MW	5126	PEACE	890617	ES	PEACE	890816	ES	132	125	60	-7
MW	8751	PEACE	890812	ES	PEACE	891011	ES	139	143	60	4
MW	7696	PEACE	890626	ES	PEACE	890825	ES	99	99	60	0
MW	7695	PEACE	890626	ES	PEACE	890825	ES	99	99	60	0

APPENDIX 4.2B
Feeding Habits of Mountain Whitefish

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                                        AGE-MATURITY ANALYSIS
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*****************************************************************
  ** NO AGE-MATURITY ANALYSIS SINCE NO FISH AGED IN THIS SAMPLE **
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15:23:28  T=4.088  RC=0

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Appendix 4.2B Table 1 **Results of stomach content analyses of different sample sessions for mountain whitefish captured from the Peace River 1989.**

	SPRING (n = 5)				SUMMER (n = 51)				FALL (n = 12)			
	No. which Item Occurred		Food 'Point' Total		No. which Item Occurred		Food 'Point' Total		No. which Item Occurred		Food 'Point' Total	
Food Item	Occur-rence	%	Points	%	Occur-rence	%	Points	%	Occur-rence	%	Points	%
Insecta												
Coleoptera	0	0.0	0	0.0	2	3.9	3	0.3	0	0.0	0	0.0
Hymenoptera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ephemeroptera	3	60.0	12	12.0	6	11.8	25	2.5	1	8.3	2	0.8
Trichoptera	2	40.0	12	12.0	13	25.5	69	6.8	2	16.7	23	9.6
Hemiptera	0	0.0	0	0.0	1	2.0	2	0.2	0	0.0	0	0.0
Diptera	4	80.0	29	29.0	24	47.1	203	19.9	1	8.3	2	0.8
Plecoptera	0	0.0	0	0.0	2	3.9	6	0.6	0	0.0	0	0.0
Terrestrial	0	0.0	0	0.0	1	2.0	3	0.3	1	8.3	0	0.0
Mollusca												
Gastropoda	1	20.0	2	2.0	4	7.8	16	1.6	1	8.3	10	4.2
Pelecypoda	0	0.0	0	0.0	2	3.9	10	1.0	1	8.3	10	4.2
Pisces	0	0.0	0	0.0	2	3.9	10	1.0	1	8.3	5	2.1
Unidentified	1	20.0	20	20.0	32	62.7	229	22.5	4	33.3	45	18.8
Empty	0	0.0	0	0.0	2	0.8	444	43.5	2	16.7	143	59.6

Appendix 4.2B Table 2 Results of stomach content analyses of different length classes for mountain whitefish captured from the Peace River 1989.

Food Item	Length Class (≤325 mm) (n = 43)				Length Class (>325 mm) (n = 25)			
	No. in which Item Occurred		Food 'Point' Total		No. in which Item Occurred		Food 'Point' Total	
	Occurrence	%	Points	%	Occurrence	%	Points	%
Insecta								
Coleoptera	2	4.7	3	0.3	0	0.0	0	0.0
Hymenoptera	0	0.0	0	0.0	0	0.0	0	0.0
Ephemeroptera	7	16.3	27	3.1	3	12.0	12	2.4
Trichoptera	7	16.3	31	3.6	10	40.0	73	14.6
Hemiptera	1	2.3	2	0.2	0	0.0	0	0.0
Diptera	25	58.1	221	25.7	4	16.0	13	2.6
Plecoptera	1	2.3	1	0.1	1	4.0	5	1.0
Terrestrial	1	2.3	3	0.3	1	4.0	0	0.0
Mollusca								
Gastropoda	3	7.0	8	0.9	3	12.0	20	4.0
Pelecypoda	0	0.0	0	0.0	3	12.0	20	4.0
Pisces	1	2.3	5	0.6	2	8.0	10	2.0
Unidentified	23	53.5	154	17.9	13	52.0	140	28.0
Empty	2	4.7	405	47.1	2	8.0	207	41.4

APPENDIX 4.3
Tag Recovery Data

APPENDIX 4.3. Tag recovery data for Site C study area, 1989.

SPEC	TAG NO.	RELEASE LOCATION	RELEASE DATE	CAPTURE METHOD	RECAPTURE LOCATION	RECAPTURE DATE	RECAPTURE METHOD	RELEASE KM	RECAPTURE KM	INTERVAL DAYS	DISTANCE KM
AG	4163	PEACE	890620	ES	PEACE	890622	ES	119	122	2	3
AG	10539	PEACE	890823	ES	PEACE	890825	ES	98	99	2	1
AG	8121	PEACE	890624	ES	PEACE	890626	ES	94	92	2	-2
AG	8174	PEACE	890624	ES	PEACE	890626	ES	92	92	2	0
AG	10309	PEACE	890820	ES	PEACE	890823	ES	99	98	3	-1
AG	10310	PEACE	890820	ES	PEACE	890823	ES	99	98	3	-1
AG	15716	PEACE	891022	ES	PEACE	891025	ES	65	63	3	-2
AG	10303	PEACE	890820	ES	PEACE	890824	ES	99	97	4	-2
AG	10308	PEACE	890820	ES	PEACE	890825	ES	99	99	5	0
AG	10320	PEACE	890820	ES	PEACE	890825	ES	97	99	5	2
AG	10327	PEACE	890820	ES	PEACE	890825	ES	97	110	5	13
AG	7463	PEACE	890623	ES	PEACE	890629	ES	109	107	6	-2
AG	4124	PEACE	890619	ES	PEACE	890625	ES	132	123	6	-9
AG	10134	PEACE	890819	ES	PEACE	890825	ES	108	108	6	0
AG	7467	PEACE	890623	ES	PEACE	890703	AL	109	107	10	-2
AG	7960	PEACE	890629	ES	PEACE	890719	AL	107	108	20	1
AG	7933	PEACE	890626	ES	PEACE	890716	AL	92	108	20	16
AG	2500	PEACE	890527	ES	PEACE	890719	AL	36	49	22	13
AG	4980	PEACE	890613	ES	PEACE	890713	AL	130	121	30	-9
AG	7600	PEACE	890624	ES	PEACE	890726	AL	116	129	32	13
AG	7877	PEACE	890626	ES	PEACE	890729	AL	93	88	33	-5
AG	7742	PEACE	890626	ES	PEACE	890805	AL	99	88	40	-11
AG	8178	PEACE	890624	ES	PEACE	890805	AL	92	88	42	-4
AG	13359	PEACE	890829	ES	PEACE	891021	ES	67	66	53	-1
AG	10953	PEACE	890825	ES	PEACE	891018	ES	99	99	54	0
AG	7748	PEACE	890626	ES	PEACE	890820	ES	99	99	55	0
AG	10667	PEACE	890823	ES	PEACE	891017	ES	98	99	55	1
AG	7466	PEACE	890623	ES	PEACE	890818	ES	109	107	56	-2
AG	7858	PEACE	890625	ES	PEACE	890820	ES	108	97	56	-11
AG	8135	PEACE	890624	ES	PEACE	890820	ES	98	97	57	-1
AG	7334	PEACE	890622	ES	PEACE	890819	ES	110	108	58	-2
AG	4162	PEACE	890620	ES	PEACE	890817	ES	119	122	58	3
AG	7869	PEACE	890626	ES	PEACE	890823	ES	99	98	58	-1
AG	7928	PEACE	890626	ES	PEACE	890824	ES	92	92	59	0
AG	10274	PEACE	890820	ES	PEACE	891020	ES	103	83	61	-20
AG	4986	PEACE	890613	ES	PEACE	890820	AL	130	129	68	-1
AG	4958	PEACE	890612	ES	PEACE	890909	AL	137	108	89	-29
AG	7917	PEACE	890626	ES	PEACE	890931	AL	92	131	97	39
AG	7215	PEACE	890622	ES	PEACE	890931	AL	122	131	101	9
AG	4163	PEACE	890620	ES	PEACE	890931	AL	119	131	103	12
AG	4164	PEACE	890620	ES	PEACE	890931	AL	119	131	103	12
AG	4126	PEACE	890619	ES	PEACE	891007	ES	132	133	110	1
AG	7908	PEACE	890626	ES	PEACE	891017	ES	93	92	113	-1
AG	7879	PEACE	890626	ES	PEACE	891020	ES	93	89	116	-4
AG	7177	PEACE	890621	ES	PEACE	891016	ES	122	112	117	-10
DV	8036	HALF	890623	ES	HALF	890805	AL	25	105	43	999
DV	8049	HALF	890623	ES	PEACE	890815	AL	25	75	53	999
DV	10161	PEACE	890819	ES	PEACE	891014	ES	108	109	56	1
DV	4146	PEACE	890620	ES	PEACE	890819	AL	128	129	60	1
DV	9771	PEACE	890817	ES	PEACE	891017	ES	128	98	61	-30
DV	7503	PEACE	890623	ES	PEACE	891015	ES	109	107	114	-2
GE	8367	PEACE	890627	ES	PEACE	890628	ES	26	26	1	0
K	8614	PEACE	890809	ES	PEACE	890810	ES	140	135	1	-5
K	8616	PEACE	890809	ES	PEACE	890810	ES	140	135	1	-5

K	7066	PEACE	890621	ES	PEACE	890931	AL	128	131	102	3
LNS	8083	PEACE	890624	ES	PEACE	890812	ES	102	132	49	30
LNS	5297	PEACE	890626	ES	PEACE	890830	ES	26	57	65	1
LNS	4911	PEACE	890606	ES	PEACE	890810	ES	137	137	65	0
LSS	13059	PEACE	890829	ES	PEACE	890830	ES	66	66	1	0
LSS	9093	PEACE	890815	ES	PEACE	891007	ES	131	135	53	4
LSS	10998	PEACE	890826	ES	PEACE	891022	ES	49	47	57	-2
LW	4247	PEACE	890604	ES	PEACE	890604	ES	143	143	0	0
LW	10664	PEACE	890823	ES	PEACE	890825	ES	102	102	2	0
LW	4861	PEACE	890606	ES	PEACE	890619	ES	137	137	13	0
LW	4221	PEACE	890602	ES	PEACE	890624	ES	143	106	22	-37
LW	7667	PEACE	890624	ES	PEACE	890728	AL	113	144	34	31
LW	10682	PEACE	890824	ES	PEACE	891019	ES	92	102	56	0
LW	4237	PEACE	890604	ES	PEACE	890802	AL	143	144	59	1
LW	7726	PEACE	890624	ES	PEACE	890825	ES	106	136	62	30
LW	4862	PEACE	890606	ES	PEACE	891013	ES	137	127	129	0
MW	10311	PEACE	890820	ES	PEACE	890820	ES	99	97	0	-2
MW	10608	PEACE	890824	ES	PEACE	890824	ES	96	94	0	-2
MW	4508	PEACE	890604	ES	PEACE	890604	ES	137	137	0	0
MW	10304	PEACE	890820	ES	PEACE	890820	ES	99	97	0	-2
MW	10284	PEACE	890820	ES	PEACE	890820	ES	99	97	0	-2
MW	4591	PEACE	890604	ES	PEACE	890604	ES	143	143	0	0
MW	8706	PEACE	890810	ES	PEACE	890810	ES	138	137	0	-1
MW	9527	PEACE	890816	ES	PEACE	890816	ES	130	125	0	-5
MW	10298	PEACE	890820	ES	PEACE	890820	ES	99	97	0	-2
MW	9433	PEACE	890816	ES	PEACE	890816	ES	133	130	0	-3
MW	10117	PEACE	890819	ES	PEACE	890819	ES	108	106	0	-2
MW	10605	PEACE	890824	ES	PEACE	890824	ES	96	94	0	-2
MW	10793	PEACE	890825	ES	PEACE	890825	ES	108	107	0	-1
MW	8745	PEACE	890812	ES	PEACE	890812	ES	139	137	0	-2
MW	8555	PEACE	890810	ES	PEACE	890810	ES	138	135	0	-3
MW	8665	PEACE	890810	ES	PEACE	890810	ES	140	139	0	-1
MW	10904	PEACE	890825	ES	PEACE	890825	ES	99	96	0	-3
MW	10562	PEACE	890824	ES	PEACE	890824	ES	96	94	0	-2
MW	10900	PEACE	890825	ES	PEACE	890825	ES	99	96	0	-3
MW	7473	PEACE	890623	ES	PEACE	890623	ES	109	109	0	0
MW	8601	PEACE	890809	ES	PEACE	890810	ES	140	139	1	-1
MW	13129	PEACE	890829	ES	PEACE	890830	ES	64	64	1	0
MW	13140	PEACE	890829	ES	PEACE	890830	ES	63	64	1	1
MW	4385	PEACE	890603	ES	PEACE	890604	ES	144	143	1	-1
MW	13127	PEACE	890829	ES	PEACE	890830	ES	64	64	1	0
MW	8491	PEACE	890809	ES	PEACE	890810	ES	139	138	1	-1
MW	13200	PEACE	890829	ES	PEACE	890830	ES	61	59	1	-2
MW	7437	PEACE	890623	ES	PEACE	890624	ES	109	106	1	-3
MW	13145	PEACE	890829	ES	PEACE	890830	ES	63	64	1	1
MW	9672	PEACE	890816	ES	PEACE	890817	ES	120	1148	1	-2
MW	8494	PEACE	890809	ES	PEACE	890810	ES	139	138	1	-1
MW	4392	PEACE	890603	ES	PEACE	890604	ES	144	143	1	-1
MW	9640	PEACE	890816	ES	PEACE	890817	ES	120	118	1	-2
MW	5423	PEACE	890601	ES	PEACE	890602	ES	143	143	1	0
MW	9936	PEACE	890818	ES	PEACE	890819	ES	107	106	1	-1
MW	9297	PEACE	890815	ES	PEACE	890817	ES	118	118	2	0
MW	10538	PEACE	890823	ES	PEACE	890825	ES	98	96	2	-2
MW	8568	PEACE	890810	ES	PEACE	890812	ES	137	137	2	0
MW	4217	PEACE	890602	ES	PEACE	890604	ES	143	143	2	0
MW	4496	PEACE	890604	ES	PEACE	890606	ES	137	137	2	0
MW	5550	PEACE	890602	ES	PEACE	890604	ES	143	137	2	-6
MW	9282	PEACE	890815	ES	PEACE	890817	ES	121	122	2	1

MW	8089	PEACE	890624	ES	PEACE	890825	ES	102	102	62	0
MW	9025	PEACE	890813	ES	HALF	891014	ES	143	1	62	999
MW	9714	PEACE	890817	ES	PEACE	891019	ES	130	91	63	-39
MW	7491	PEACE	890623	ES	PEACE	890825	ES	109	108	63	-1
MW	7453	PEACE	890623	ES	PEACE	890825	ES	109	108	63	-1
MW	7420	PEACE	890623	ES	PEACE	890825	ES	109	108	63	-1
MW	1613	PEACE	890527	ES	PEACE	890829	ES	36	63	63	27
MW	8476	PEACE	890809	ES	PEACE	891012	ES	140	124	64	-16
MW	8003	PEACE	890622	ES	PEACE	890825	ES	101	102	64	1
MW	7336	PEACE	890622	ES	PEACE	890825	ES	110	107	64	-3
MW	7314	PEACE	890622	ES	PEACE	890825	ES	110	107	64	-3
MW	7257	PEACE	890622	ES	PEACE	890826	ES	122	45	65	-77
MW	4504	PEACE	890604	ES	PEACE	890810	ES	137	135	67	-2
MW	8841	PEACE	890812	ES	PEACE	891019	ES	132	91	68	-41
MW	5526	PEACE	890602	ES	PEACE	890812	ES	143	128	71	-15
MW	4402	PEACE	890603	ES	PEACE	890813	ES	144	143	71	-1
MW	4808	PEACE	890605	ES	PEACE	890816	ES	127	125	72	-2
MW	5030	PEACE	890617	ES	PEACE	890901	AL	138	137	76	-1
MW	7158	PEACE	890621	ES	PEACE	890926	AL	122	139	97	17
MW	7020	PEACE	890621	ES	PEACE	891009	ES	128	129	110	1
MW	7631	PEACE	890624	ES	PEACE	891012	ES	114	130	110	16
MW	7390	PEACE	890623	ES	HALF	891012	ES	111	13	111	999
MW	7210	PEACE	890622	ES	PEACE	891012	ES	123	124	112	1
MW	7661	PEACE	890624	ES	PEACE	891014	ES	113	112	112	-1
MW	5076	PEACE	890617	ES	PEACE	891007	ES	132	142	112	10
MW	7093	PEACE	890621	ES	PEACE	891011	ES	127	127	112	0
MW	4179	PEACE	890621	ES	PEACE	891012	ES	128	130	113	2
MW	7962	PEACE	890628	ES	PEACE	891019	ES	107	108	113	1
MW	7453	PEACE	890623	ES	PEACE	891014	ES	109	112	113	3
MW	7050	PEACE	890621	ES	PEACE	891013	ES	128	130	114	2
MW	7496	PEACE	890623	ES	PEACE	891015	ES	109	107	114	-2
MW	5136	PEACE	890617	ES	PEACE	891009	ES	132	131	114	-1
MW	7362	PEACE	890623	ES	PEACE	891016	ES	112	112	115	0
MW	7002	PEACE	890621	ES	PEACE	891014	ES	128	109	115	-19
MW	7492	PEACE	890623	ES	PEACE	891016	ES	109	108	115	-1
MW	1626	PEACE	890527	ES	PEACE	891025	ES	36	63	120	27
MW	4069	PEACE	890618	ES	PEACE	891021	ES	136	71	125	-65
MW	4006	PEACE	890618	ES	PEACE	891022	ES	136	65	126	-71
MW	4734	PEACE	890605	ES	PEACE	891009	ES	132	131	126	-1
MW	4277	PEACE	890603	ES	PEACE	891008	ES	143	139	127	-4
MW	4734	PEACE	890605	ES	PEACE	891013	ES	132	130	130	-2
NP	7117	PEACE	890621	ES	PEACE	890722	AL	127	127	31	0
NP	8306	PEACE	890626	ES	PEACE	890827	ES	26	26	62	0
NSF	7099	PEACE	890621	ES	PEACE	890710	AL	127	127	19	0
NSF	7128	PEACE	890621	ES	PEACE	890712	AL	127	127	21	0
RT	13861	PEACE	891011	ES	PEACE	891012	ES	130	128	1	-2
RT	4994	PEACE	890615	ES	PEACE	890617	ES	137	132	2	-5
RT	9245	PEACE	890815	ES	PEACE	890817	ES	123	122	2	-1
RT	7828	PEACE	890625	ES	PEACE	890627	ES	123	127	2	4
RT	10237	PEACE	890819	ES	PEACE	890823	ES	103	102	4	-1
RT	10096	PEACE	890819	ES	PEACE	890826	AL	113	119	7	6
RT	15518	PEACE	891019	AL	PEACE	891026	AL	150	150	7	0
RT	10500	PEACE	890822	AL	PEACE	890830	AL	144	143	8	-1
RT	7830	PEACE	890625	ES	PEACE	890711	AL	123	126	16	3
RT	4165	PEACE	890620	ES	PEACE	890712	AL	119	123	22	4
RT	9440	PEACE	890816	ES	PEACE	890910	AL	133	129	25	-4
RT	4957	PEACE	890612	ES	PEACE	890707	AL	144	143	25	-1
RT	4990	PEACE	890614	ES	PEACE	890718	AL	147	147	34	0

RT	4956	PEACE	890608	ES	PEACE	890722	AL	142	137	44	-5
RT	4970	PEACE	890612	ES	PEACE	890729	AL	123	127	47	4
RT	10879	PEACE	890825	ES	PEACE	891014	ES	102	109	50	7
RT	10643	PEACE	890824	ES	PEACE	891017	ES	92	92	54	0
RT	7964	PEACE	890629	ES	PEACE	890824	ES	107	92	56	-15
RT	7964	PEACE	890629	ES	PEACE	890824	ES	107	94	56	3
RT	9829	PEACE	890817	ES	PEACE	891012	ES	122	124	56	2
RT	10323	PEACE	890820	ES	PEACE	891017	ES	97	92	58	-5
RT	10313	PEACE	890820	ES	PEACE	891017	ES	97	92	58	5
RT	4142	PEACE	890620	ES	PEACE	890817	ES	128	128	58	0
RT	10239	PEACE	890819	ES	PEACE	891016	ES	103	108	58	5
RT	4173	PEACE	890620	ES	PEACE	890817	ES	119	118	58	-1
RT	10240	PEACE	890819	ES	PEACE	891017	ES	103	102	59	1
RT	4994	PEACE	890615	ES	PEACE	890815	AL	137	119	61	3
RT	8141	PEACE	890624	ES	PEACE	890824	ES	94	94	61	0
RT	7068	PEACE	890621	ES	PEACE	890825	ES	128	129	65	1
RT	9074	PEACE	890814	ES	PEACE	891026	AL	149	150	73	1
RT	4085	PEACE	890619	ES	PEACE	890901	AL	137	137	74	0
RT	7841	PEACE	890625	ES	PEACE	890909	AL	123	139	76	16
RT	5110	PEACE	890617	ES	PEACE	890907	AL	132	139	82	7
RT	4992	PEACE	890615	ES	PEACE	890908	AL	137	138	85	1
RT	4946	PEACE	890608	ES	PEACE	890903	AL	144	143	87	-1
RT	4172	PEACE	890620	ES	PEACE	890931	AL	119	131	103	2
RT	4143	PEACE	890620	ES	PEACE	891008	ES	128	132	110	4
RT	4967	PEACE	890612	ES	PEACE	890931	AL	123	131	111	8
RT	7955	PEACE	890628	ES	PEACE	891019	ES	107	108	113	1
RT	7911	PEACE	890626	ES	PEACE	891018	ES	93	90	114	1
RT	4169	PEACE	890620	ES	PEACE	891012	ES	119	124	114	5
RT	8140	PEACE	890624	ES	PEACE	891017	ES	98	98	115	0
RT	8145	PEACE	890624	ES	PEACE	891020	ES	94	79	118	-3
RT	4926	PEACE	890607	ES	PEACE	891008	AL	150	147	123	3
YW	8465	PEACE	890628	ES	PEACE	890628	AL	26	11	0	-15
YW	8392	PEACE	890627	ES	PEACE	890628	ES	26	26	1	0
YW	11985	PEACE	890828	ES	PEACE	890829	ES	66	64	1	2
YW	8380	PEACE	890627	ES	PEACE	890628	ES	26	26	1	0
YW	11982	PEACE	890828	ES	PEACE	890829	ES	66	64	1	2
YW	8378	PEACE	890627	ES	PEACE	890628	ES	26	26	1	0
YW	11986	PEACE	890828	ES	PEACE	890829	ES	66	64	1	-2
YW	8317	PEACE	890626	ES	PEACE	890628	ES	26	26	2	0
YW	8329	PEACE	890626	ES	PEACE	890628	ES	26	26	2	0
YW	8332	PEACE	890626	ES	PEACE	890628	ES	26	26	2	0
YW	11756	PEACE	890827	ES	PEACE	890922	AL	26	26	26	0
YW	8451	PEACE	890628	ES	PEACE	890801	AL	26	46	34	0
YW	8424	PEACE	890628	ES	PEACE	890802	AL	26	49	35	3
YW	8398	PEACE	890628	ES	PEACE	890806	AL	24	65	39	41
YW	8329	PEACE	890626	ES	PEACE	890805	AL	26	65	40	39
YW	8350	PEACE	890627	ES	PEACE	890807	AL	12	11	41	1
YW	11991	PEACE	890828	ES	PEACE	891025	ES	66	26	55	-40
YW	8369	PEACE	890627	ES	PEACE	890825	GN	26	46	59	20
YW	8402	PEACE	890628	ES	PEACE	890827	GN	26	46	60	0
YW	8467	PEACE	890628	ES	PEACE	890829	ES	26	66	62	0
YW	8467	PEACE	890628	ES	PEACE	890830	ES	26	66	63	40
YW	8446	PEACE	890628	ES	PEACE	891024	ES	26	26	118	0
YW	8430	PEACE	890628	ES	PEACE	891025	ES	26	26	119	0
YW	8446	PEACE	890628	ES	PEACE	891025	ES	26	26	119	0
YW	8439	PEACE	890628	ES	PEACE	891028	AL	26	26	122	0

APPENDIX 5.0
Mercury Content Analysis Data

APPENDIX 5.0. Mercury content analysis data of fish captured from the Peace River during fall 1989.

SPECIES	LEN	WT	SEX	AGE	DAY	MO	YR	MERCURY(PPM)
AG	361	682		5	15	10	89	0.041
AG	375	862		3	17	10	89	0.026
DV	330	414	16	6	12	10	89	0.041
DV	392	642		6	17	10	89	0.074
DV	422	754		7	17	10	89	0.14
DV	448	784	99	7	14	10	89	0.11
DV	475	1225			19	10	89	0.25
DV	505	1310	6	8	14	10	89	0.15
DV	610	4400		9	17	10	89	0.069
DV	814	5700	16	9	10	10	89	0.835
K	282	268	16		10	10	89	0.031
K	315	376	16		10	10	89	0.038
LING	370	342			25	10	89	0.075
LING	435	542			25	10	89	0.14
LW	320	380	16	4	12	10	89	0.046
LW	335	430	16	5	11	10	89	0.063
LW	337	470	6	5	11	10	89	0.057
LW	345	558	16	6	12	10	89	0.047
LW	346	492	6		11	10	89	0.063
LW	356	610	16	5	15	10	89	0.046
LW	362	486	16	5	11	10	89	0.13
LW	374	572	16	6	15	10	89	0.089
LW	400	782	16	6	12	10	89	0.088
LW	416	846	16	6	11	10	89	0.08
LW	513	2300		11	7	10	89	0.093
MW	272	306	6	5	15	10	89	0.023
MW	280	222		4	15	10	89	0.021
MW	286	338			10	10	89	0.053
MW	290	392		5	20	10	89	0.03
MW	294	346	6	5	15	10	89	0.018
MW	315	364		5	19	10	89	0.037
MW	315	418	16	6	15	10	89	0.029
MW	329	474		5	20	10	89	0.044
MW	330	406		6	21	10	89	0.032
MW	348	450		6	20	10	89	0.072
MW	348	496		6	20	10	89	0.055
MW	355	502	16	7	15	10	89	0.041
MW	375	594		7	21	10	89	0.041
MW	380	806		7	20	10	89	0.057
MW	396	852	16	8	15	10	89	0.048
MW	412	928		9	20	10	89	0.053
MW	412	1100	16	10	15	10	89	0.053
MW	415	898		9	20	10	89	0.1
MW	420	744		10	21	10	89	0.057
MW	420	1060		9	20	10	89	0.046
MW	435	994		10	21	10	89	0.12
MW	440	990		12	20	10	89	0.11
MW	445	1260		12	20	10	89	0.063
MW	487	1289		14	21	10	89	0.11
NP	310	210			23	10	89	0.033
NP	396	652			21	10	89	0.044
NP	419	544			19	10	89	0.04
NP	435	574			23	10	89	0.04
NP	437	633			23	10	89	0.044

NP	464	764			17 10 89	0.052
NP	515	1010			23 10 89	0.077
NP	521	1030			23 10 89	0.12
NP	530	1125			23 10 89	0.072
NP	538	1280			23 10 89	0.088
NP	538	1225			24 10 89	0.055
NP	545	1305			19 10 89	0.25
NP	552	1235			19 10 89	0.063
NP	591	1565			23 10 89	0.093
NP	618	1750			18 10 89	0.1
NP	636	1925			24 10 89	0.12
NP	639	1755			19 10 89	0.053
NP	657	2300			18 10 89	0.08
NP	673	2450	16		14 10 89	0.13
NP	675	2650			18 10 89	0.105
NP	790	3650			19 10 89	0.19
RT	266	194		2	19 10 89	0.027
RT	270	244	6	2	12 10 89	0.026
RT	270	198		3	19 10 89	0.031
RT	272	280	99	2	15 10 89	0.025
RT	273	246		1	14 10 89	0.014
RT	284	324		3	18 10 89	0.033
RT	291	248	6	2	12 10 89	0.019
RT	292	308	6		12 10 89	0.031
RT	298	310		3	21 10 89	0.018
RT	308	360	16	4	12 10 89	0.092
RT	312	327	6	3	12 10 89	0.039
RT	315	422	6	3	11 10 89	0.02
RT	322	404		4	21 10 89	0.023
RT	334	486		4	19 10 89	0.021
RT	335	540	16	3	17 10 89	0.027
RT	342	486		4	17 10 89	0.026
RT	345	474		4	19 10 89	0.038
RT	370	648	6		12 10 89	0.018
RT	375	696	6	4	12 10 89	0.014
RT	378	744	6		12 10 89	0.03
RT	390	868	16	4	12 10 89	0.025
RT	406	848		4	19 10 89	0.056
RT	425	878			18 10 89	0.047
YW	343	484		5	24 10 89	0.11
YW	361	558		9	24 10 89	0.23
YW	382	638		6	25 10 89	0.125
YW	396	746		5	25 10 89	0.1
YW	398	800		9	25 10 89	0.01
YW	400	746		7	25 10 89	0.19
YW	415	873		7	25 10 89	0.17
YW	415	936		9	23 10 89	0.24