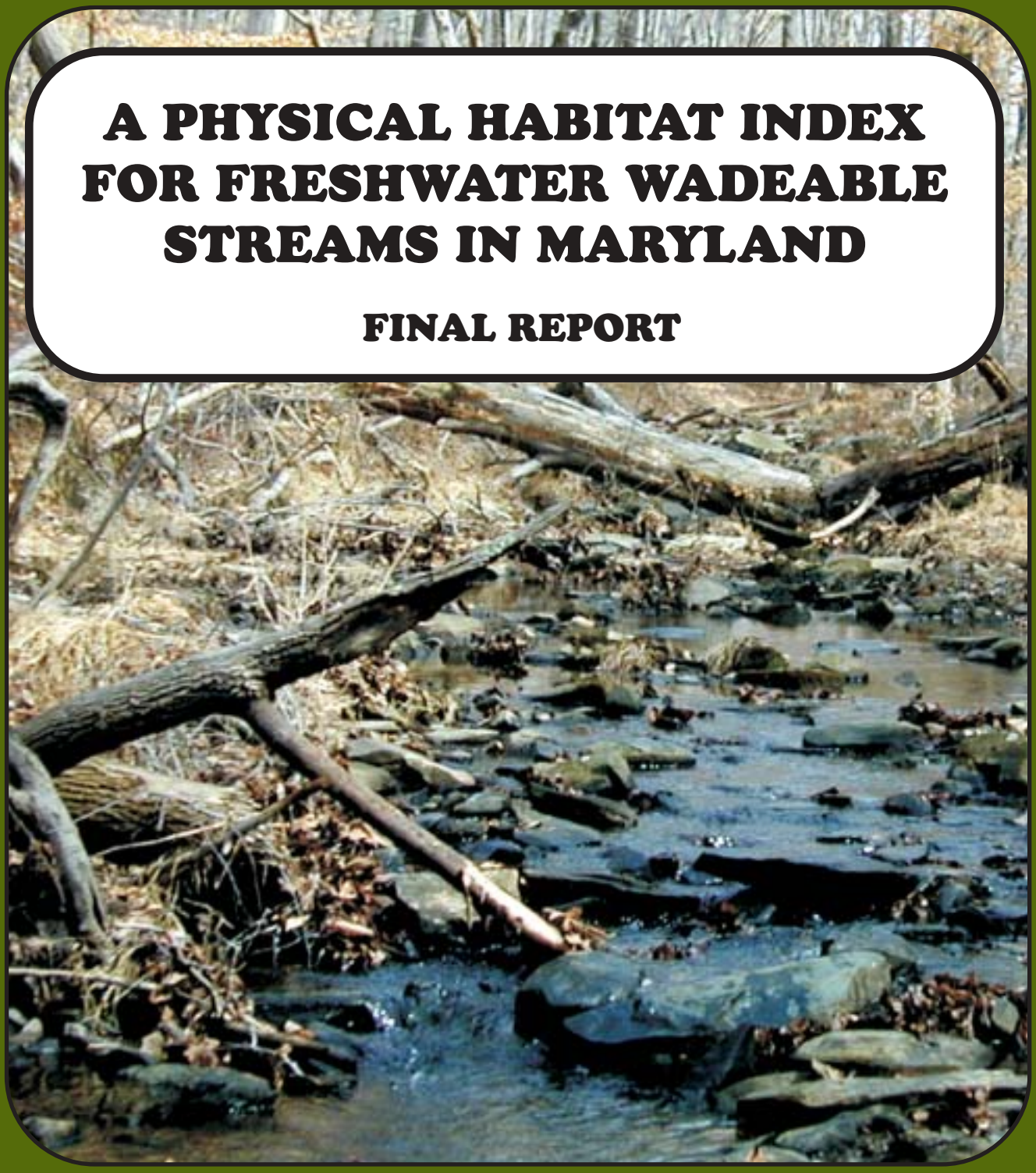
A PHYSICAL HABITAT INDEX FOR FRESHWATER WADEABLE STREAMS IN MARYLAND

FINAL REPORT



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A Physical Habitat Index for Freshwater Wadeable Streams in Maryland

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May 2002

Final Report

FOREWORD

This report entitled, "A Physical Habitat Index for Freshwater Wadeable Streams in Maryland," supports the Maryland Department of Natural Resources' Maryland Biological Stream Survey (MBSS) under the direction of Ronald Klauda and Paul Kazyak of the Monitoring and Non-Tidal Assessment Division (MANTA). Tetra Tech, Inc. was sub-contracted to develop a revised Physical Habitat Index intended to update and revise the original provisional index. The primary goals were to (1) examine the current biological, chemical, land use, and physical habitat data from the 1994-2000 MBSS database to classify streams in the state, develop reference and degraded criteria for each class, investigate habitat metrics that discriminate between reference and degraded condition, and assemble them into a final revised physical habitat index (PHI); (2) relate the revised PHI to biological metrics calculated as part of the MBSS; (3) compare the revised PHI to the original index; and (4) propose potential new metrics to be added to the current habitat assessment protocol used by the MBSS.

EXECUTIVE SUMMARY

Physical stream habitat is the physical template upon which the biological structure of stream communities is built. Degradation of the physical habitat has serious consequences for stream communities and is among the leading cause of stream impairment nation-wide (USEPA, 2000). An important component of any assessment program is, therefore, a sound habitat assessment approach.

The Maryland Biological Stream Survey (MBSS) has been collecting a variety of physical habitat measures for streams in the state since 1994. In 1999, the MBSS developed a provisional physical habitat index (PHI) to synthesize those extensive data into a single multimetric indicator of physical habitat quality. The provisional PHI has been used to assess the physical condition in Maryland streams, but several aspects of the index needed refinement.

A primary objective of this project was to revisit the provisional PHI with the intent of updating and revising it to resolve concerns that had emerged. The second objective of this project was to investigate additional habitat measures for their potential to improve the characterization, especially the extent to which they might help predict biological condition.

Revising the PHI

The first stage of the project included selection of a classification system for streams in the state and refinement of the criteria used to designate reference and degraded sites. We then proceeded to the index development phase. This phase consisted of assembling the MBSS database, exploring the statistical structure of the data,

transforming the data as necessary to improve the information that could be extracted, evaluating the comparability of certain metrics among years and developing conversion methods where needed, exploring the discrimination efficiency of candidate metrics for each stream class, assembling those metrics into a multimetric index, and testing that index for discrimination efficiency and ability to predict biological condition. We then pursued the investigation of potential new physical habitat metrics, which consisted of collecting slope and bankfull depth measures from sites in Prince George's and Howard Counties where biological and sediment textural data had already been collected.

After exploring the data and looking at the distribution of previous reference sites across the state, we selected the Coastal Plain, Piedmont, and Highland (Blue Ridge, Valley and Ridge, and Appalachian Plateau) regions as stream classes. This classification emphasized the distinct characteristics of the widely sampled and heavily impacted Piedmont region as a specific class, which was not done as part of the provisional PHI development. We also selected reference and degradation criteria based on the amount of forested, agricultural, and urban land use. We avoided the use of biological data in selecting reference sites that would be used for inferential analysis, another concern raised after the provisional PHI was developed. We applied different reference criteria to each stream class to optimize the number of reference sites while at the same time maintaining as strict criteria as possible. Reference criteria were most relaxed for the Piedmont region, largely because it is difficult to find relatively unimpacted watersheds in this class. As a result, any habitat impairment thresholds based on the statistical distribution of reference sites, a common approach, will have to consider the more relaxed criteria used in the Piedmont region. This will affect the computation of

total habitat impairment among regions and comparisons among regions will have to be made with this in mind.

Once streams were classified and criteria developed, we assembled the database. We constructed a few new variables to take advantage of some of the binomial metrics not included in the provisional PHI. We combined several presence/absence habitat type metrics into a general habitat metric (HAB) that represented the percent of important habitat types available at a site. Similarly, we combined several bed sediment presence/absence metrics into a synthetic metric of the percent of substrate types present at a site (SUBSTRATE). We also calculated a width:depth ratio metric (WIDDEP), which was the ratio of wetted width to thalweg depth, and a sinuosity metric (SINUOUS), the ratio of the straight line distance between the ends of the study reach to the thalweg length of the stream (75m). Lastly, different methods were used to assess remoteness and bank stability in 2000. In order to make these metrics comparable between rounds one and two of the MBSS, we developed regression equations to convert the metrics. Both metrics were important in the final index developed for each stream class.

The next step in preparing the data was to investigate watershed area effects among candidate metrics. Several metrics showed significant correlations with watershed area, a problem identified during development of the provisional PHI. We corrected for area effects by deriving equations to predict habitat score from watershed area based on reference sites in each class. We then calculated the residual metric score by subtracting the predicted value for each test site (based on its watershed area) from the observed metric value. These residuals were used as the metric scores.

Once the data were corrected for area effects, the final step was scaling each metric. Metric scores were scaled from 0-100 based on the 5th or 95th percentile of the distribution of scores from all sites, depending on the response of the metric to degradation. Sites scoring above or below 0 or 100 were rounded to 0 or 100 as necessary.

Once the data were prepared, we investigated the discrimination efficiency (percent of degraded sites falling below the 25th percentile of the reference site scores) for all the candidate metrics. We then assembled the most discriminating and least redundant metrics into a final multimetric PHI for each stream class by averaging the metric scores (the sum of metrics divided by the number of metrics used). The metrics selected for Coastal Plain streams were bank stability, instream wood, instream habitat quality, epibenthic substrate, shading, and remoteness. For Piedmont streams, riffle quality, bank stability, instream wood, instream habitat quality, epibenthic substrate, shading, remoteness, and embeddedness were selected. Finally, in Highland streams, bank stability, epibenthic substrate, shading, riparian width, and remoteness were used. The metrics selected for each region represent a mixture of habitat characteristics: geomorphology, visual habitat quality, and riparian condition.

Once the final PHI was calculated for each stream class, we looked for any watershed area effects in the final index. None of the final indices were significantly correlated with watershed area. We then looked at the overall discrimination efficiency (DE) of the final PHI (the percent of degraded sites scoring below the 25th percentile of reference site scores). The DE was 84% for the Coastal Plain PHI, 89% for Highland streams, and 55% for Piedmont streams. The lower DE for Piedmont streams was likely

the result of relaxed reference criteria. We had to use lower forested land use criteria in order to have sufficient streams for statistical analysis and since scores are scaled to the reference distribution, the degraded sites scored higher in this class. Given the lower DE in the Piedmont, any threshold values established for this region need to be adjusted accordingly. More conservative values (the 75^{th} percentile of reference site scores) rather than more commonly used values (the 10^{th} or 25^{th} percentile) might have to be considered for setting Piedmont habitat condition thresholds.

We also examined the relationships between PHI and biological integrity scores by ecoregion and between the PHI and biological integrity when we grouped the stream reaches by river basins across the state. The PHI was significantly and positively correlated with both the benthic (BIBI) and fish (FIBI) indices of biological integrity, and this correlation generally improved when obviously chemically altered (pH<5 and dissolved oxygen<2 mg/L) sites were removed, except in the Piedmont region. Other studies have shown stronger relationships between habitat and biota and still others have not. Clearly habitat is associated with biotic integrity in Maryland streams, but the degree to which it accurately predicts biotic condition depends on the extent and nature of a variety of different stressors. These stressors vary spatially. Not surprisingly, therefore, we found very distinct differences in the relationship between habitat quality and biological integrity when we looked at individual basins across the state. The BIBI was significantly correlated with the PHI in 12 of the 17 major river basins of the state, most strongly in the North Branch Potomac, Chester, and Patapsco basins and not significantly in the Bush, Elk, Lower Potomac, Susquehanna, and Youghiogheny. The FIBI was significantly correlated with the PHI in 10 of the 17 basins, most strongly in the

Pocomoke, Nanticoke-Wicomico, and Middle Potomac, and not significantly in the Choptank, Chester, Lower Potomac, Patuxent, Susquehanna, Upper Potomac, and West Chesapeake basins. The lack of strong correlations may be due to more prevalent non-physical stressors (e.g. chemical or temperature stress), to a lack of adequate samples along an appropriate range of disturbance, or to a lack of an association.

To look at the importance of physical habitat in predicting biological condition, we constructed preliminary multiple regression models of the BIBI and FIBI using the PHI along with a mixture of chemical variables (pH, acid neutralizing capacity, nitrate and sulfate concentration, conductivity, dissolved oxygen, and temperature). We constructed models for all 3 stream classes for the BIBI and FIBI (6 total). The PHI was a significant predictor in 5 of the 6 models and the most common chemical predictors were conductivity and dissolved oxygen. The PHI appears to be an important predictor of biological integrity.

Additional Physical Habitat Metrics

As the second part of the study, we looked at the potential for bed sediment texture and relative bed stability to predict biological integrity. After collecting data on stream slope and bankfull depth in 30 streams in Prince George's and Howard counties (15 piedmont, 15 coastal plain), we calculated relative bed stability, the ratio of the median sediment particle diameter to that diameter moved during channel forming flows. We had BIBI values calculated for these sites, and we found significant correlations between both sediment texture and relative bed stability and the BIBI and two component metrics (the number of sensitive Ephemeroptera, Plecoptera, and Trichoptera taxa and the percent of Ephemeroptera taxa). We could not calculate PHI scores for these sites, due to

a lack of necessary habitat data, so we do not know if these metrics would improve the discriminatory or predictive value of the PHI. However, significant correlations with biological metrics suggest that both sediment texture and relative bed stability would provide valuable information. The effort required for collecting pebble count and slope and depth data amounts to approximately 30 extra minutes per site and the cost of a laser level.

Summary

The revised PHI calculated from this study provides a valuable physical habitat assessment tool that addresses concerns associated with the provisional PHI. It discriminates between reference and degraded sites and is correlated to biological condition. The revised PHI was an improvement over the provisional PHI in that it 1) removed the use of fish IBI scores in the reference criteria and thus the bias towards site with high fish scores, 2) removed the watershed area effects implicit in many of the habitat measures, 3) removed the trash metric from the PHI, which was considered non-habitat, 4) removed embeddedness from the coastal plain sites, which naturally lack coarse sediments, and 5) was better correlated with both fish and bug biological indices. The revised PHI will clearly benefit from validation and it is recommended that data collected since 2000 be used to validate the revised PHI. In addition, sediment texture and bed stability metrics were significantly correlated with biological condition in streams from two Maryland counties where these measures were made – one Piedmont and one Coastal Plain. Adding these measures to the statewide survey could provide more physical habitat information important in both assessing stream condition and diagnosing causes of biological degradation.

TABLE OF CONTENTS

1 INTRODUCTION

The Maryland Biological Stream Survey (MBSS) was developed and is conducted by the Maryland Department of Natural Resources (DNR). The MBSS includes the assessment of the chemical, biological, and physical condition of Maryland's streams for the purpose of monitoring the quality of state waters. The MBSS has sampled streams around the state since 1994 and is a national leader in the development and implementation of water quality assessment strategies. MBSS stream assessments are designed to assess the biological condition of streams as well as their chemical and physical condition. The chemical and physical data are used to assess water quality independently and also help identify stressors responsible for degraded biological conditions.

Physical habitat is an integral part of stream condition. The diversity of flow conditions, the diversity and stability of substrates, the degree and extent of erosion, the amount of woody debris, and many other factors provide the physical template upon which stream biological community structure is built. Without adequate habitat, the biological potential of streams is limited. Therefore, adequate measurement of habitat quality is necessary to assess the condition of streams and to determine if habitat degradation may be responsible for any degradation in biological condition. In addition, when physical habitat degradation is detected, the assessments can be used to prioritize areas for different restoration strategies, such as bank stabilization or stormflow mitigation.

A provisional PHI was developed for the MBSS (Hall et al. 1999). There were a number of limitations with the provisional PHI. First, scores from the fish index of

biological integrity (FIBI) were used as part of the reference stream selection criteria. Since the PHI will hopefully be used to interpret patterns in the fish data, the inclusion of fish condition as a reference criterion introduced a degree of circularity into the metric selection process. Because of this, it is difficult to discern whether good habitat streams have higher FIBI scores or higher FIBI score streams have good habitat. The FIBI showed a clear association with the provisional PHI, but the BIBI showed markedly less of an association with the provisional PHI. Independent reference criteria needed to be developed. Second, there was concern that many of the habitat metric scores were affected by watershed area. Many of the metrics were scored such that water depth was an important consideration in determining habitat quality. Since mean water depth increases with watershed area, larger streams would de facto score higher, all else being equal. Removing this watershed area effect was another concern in the development of a revised PHI. Additionally, the use of the trash metric in the provisional PHI was considered inappropriate as a habitat metric since it was more likely a surrogate for water quality. Also, use of the embeddedness metric for Coastal Plain streams was difficult to reconcile, given the general lack of coarse sediment in those streams naturally. Lastly, the relationship between the PHI and biological condition was not consistent using the provisional PHI. Therefore, a further hope of refining the PHI was to improve the association between biological condition and physical habitat condition, since there are proven relationships between habitat condition and biological condition (Bisson et al. 1992, Allan 1995, Richards et al. 1996, Paul and Meyer 2000).

In addition to refining the existing PHI, the DNR was interested in exploring the incorporation of alternative habitat metrics. We wanted to explore whether more

information on stream substrate diversity and stability might improve the assessment of the geomorphological condition of the stream. Stream channel morphology, it has been argued, is a function of the supply and transport of sediment (Dunne and Leopold, 1978, Gordon et al. 1992). Hillslope processes, like erosion, determine the former, while hydrology primarily determines the latter. When there are dramatic changes in either supply or transport, changes in stream form, such as channel aggradation or channel erosion (widening and incision) generally follow. Adequate characterization of stream substrata provides an opportunity to detect changes in the geomorphic equilibrium of a channel, perhaps before dramatic changes in channel form occur. Substrate composition directly affects invertebrate and fish community structure. The size and diversity of particles determines the amount of interstitial habitat available for foraging, nesting, and refuge (Cummins 1962, Hynes 1970, Minshall 1984). Wolman pebble counts have been used to characterize stream substrate diversity for many years (Leopold 1970) and have been incorporated into a number of federal, state, and local habitat monitoring strategies (e.g. Rankin 1995, Lazorchak et al. 1998, Pavlik and Stribling 2001, Plotnikoff and Wiseman 2001).

In addition to pebble counts, accurate slope and bankfull depth measurements can provide a way of predicting the relative stability of stream sediment. Relative bed stability (RBS) refers to how frequently bed channel substrate moves and is defined as the ratio of the median particle size (D_{50}) in the channel to the median particle size moved during bankfull flow (D_{50}^{*}, Kaufman et al. 1999). In channels where sediment supply and transport processes are balanced, the median particle sizes move only during the channel forming bankfull flows, with an average recurrence interval of approximately

every 1.5 years (Dunne and Leopold 1978, Gordon et al. 1992). The smaller this ratio is below unity, the less stable the channel sediment is in relation to streamflow; the greater this ratio is above unity, the more resistant the channel is to sediment mobility. The particle movement initiated during bankfull is related to the velocity of flows during bankfull that determine the tractive force acting on sediment particles (Gordon et al. 1992). This tractive force can be estimated from bankfull depth and stream slope.

Relative bed stability (RBS) is related to both sediment supply and stream hydrology. In streams with an excess supply of small particles, which occurs often during land cover disturbance associated with agriculture or construction in watersheds (see Paul and Meyer 2002), stream channels can be filled with fine particles, leading to greater bed instability and degradation of habitat quality for insects and fish. On the contrary, in streams where the sediment supply has been greatly reduced (e.g. below dams or retention basins or in mature urban systems), large flows will remove existing small particles, which are not replenished, leading to general stream bed armoring, which also represents poor habitat for insects and fish. RBS, therefore, presents a promising way to incorporate sediment distribution and stability into the overall habitat assessment.

The objectives of this study were two-fold. The first objective was to examine the current MBSS databases and identify a potential alternative PHI that would improve on the provisional PHI and its ability to predict biological integrity scores. The second objective was to investigate potential new metrics to be added to the physical habitat assessments.

2 METHODS

2.1 Physical Habitat Index Revision

Revising the PHI consisted of classifying streams in the state, developing a new set of reference criteria that did not include any biological variables, analyzing the physical habitat metrics statistically for normality and transforming as necessary, selecting discriminatory habitat metrics that were free of watershed area effects, assembling the metrics into a new multimetric physical habitat index, testing the new index for discrimination efficiency and association with biological indices, and comparing it to the provisional PHI. Physical habitat data were collected by the MBSS from 1994-2000 and methods for the collection of these data have been extensively described elsewhere (Roth et al. 1999). A list of the physical habitat data collected for each site by sampling periods is shown in Table 1. Habitat variables are shown along with the nature of the data (character or numeric) and what aspect of habitat is reflected by each variable.

We used general level III ecoregions as the main classification of streams, consistent with the MBSS program (Omernik 1987, Roth et al. 1999). We used the Piedmont and Coastal Plain regions and combined all other ecoregions in the state into a Highlands class.

After streams were classified, we developed new reference criteria for establishing reference habitat characteristics. We relied on land use/land cover values to develop reference and degraded stream criteria for selecting reference streams. Land use/land cover analysis and data are described in Roth et al. (1999).

Table 1 – Habitat variables collected during the three MBSS study periods. The types of data as well as the habitat feature represented by each measure are also indicated. (LCLU = land cover/land use, Data Types: Char = character, Num = numeric)

Variable	Feature	1994	1995-1997	2000	Data Type
1	Site Info	SITE	SITE	SITEYR	Char
2	Site Info	LAT	LAT	LAT_DD	Num
3	Site Info	LONG	LONG	LONG_DD	Num
4	Site Info	NORTHING	NORTHING	NORTHING	Num
5	Site Info	EASTING	EASTING	EASTING	Num
6	Catchment Size	ACREAGE	ACREAGE	ACRES	Num
7	LCLU-Catchment	URBAN	URBAN	URBAN	Num
8	LCLU-Catchment	AGRI	AGRI	AGRI	Num
9	LCLU-Catchment	FOREST	FOREST	FOREST	Num
10	LCLU-Catchment		WETLANDS	WETLANDS	Num
11	LCLU-Catchment		BARREN	BARREN	Num
12	LCLU-Catchment		WATER	WATER	Num
13	LCLU-Catchment		HIGHURB		Num
14	LCLU-Catchment		LOWURB	LOW_URB	Num
15	LCLU-Catchment		PASTUR	HAYPAST	Num
16	LCLU-Catchment		PROBCROP		Num
17	LCLU-Catchment		ROWCROP	ROWCROP	Num
18	LCLU-Catchment		CONIFER	CONIFOR	Num
19	LCLU-Catchment		DECIDFOR	DECIDFOR	Num
20	LCLU-Catchment		MIXEDFOR	MIXEDFOR	Num
21	LCLU-Catchment		EMERGWET	EMERWET	Num
22	LCLU-Catchment		WOODYWET	WOODWET	Num
23	LCLU-Catchment		COALMINE		Num
24	LCLU-Catchment		TRANS	TRANS	Num
25	LCLU-Catchment			OTHGRASS	Num
26	LCLU-Catchment			HIGH_RES	Num
27	LCLU-Catchment			HIGH_COM	Num
28	LCLU-Catchment			BAREROCK	Num
29	LCLU-Catchment			QUARRY	Num
30	LCLU-Reach	OLD_FLD	OLD_FLD	OLD_FLD	Char
31	LCLU-Reach	DEC_FOR	DEC_FOR	DEC_FOR	Char
32	LCLU-Reach	CONI_FOR	CONI_FOR	CONI_FOR	Char
33	LCLU-Reach	WETLAND	WETLAND	WETLAND	Char
34	LCLU-Reach	SURFMINE	SURFMINE	SURFMINE	Char
35	LCLU-Reach	LANDFILL	LANDFILL	LANDFILL	Char
36	LCLU-Reach	RESIDENT	RESIDENT	RESIDENT	Char
37	LCLU-Reach	COMM_IND	COMM_IND	COMM_IND	Char
38	LCLU-Reach	CROPLAND	CROPLAND	CROPLAND	Char
39	LCLU-Reach	PASTURE	PASTURE	PASTURE	Char
40	LCLU-Reach	ORCH_VIN	ORCH_VIN	ORCH_VIN	Char
41	LCLU-Reach			GOLF	Char
42	Hydrology		THAVEL0	THALVE0	Num

Table 1 (continued).

Variable	Feature	1994	1995-1997	2000	Data Type
43	Hydrology		THAVEL25	THALVE25	Num
44	Hydrology		THAVEL50	THALVE50	Num
45	Hydrology		THAVEL75	THALVE75	Num
46	Hydrology		DISCHARG	DISC_CFS	Num
47	Geomorphology			GRAD	Num
48	Geomorphology	SEG_LEN		SEG_LEN	Num
49	Geomorphology	MAXDEPTH	MAXDEPTH	MAXDEPTH	Num
50	Geomorphology			STWID_0	Num
51	Geomorphology			STWID_75	Num
52	Geomorphology	WETWID0	WETWID0	WETWID0	Num
53	Geomorphology	WETWID25	WETWID25	WETWID25	Num
54	Geomorphology	WETWID50	WETWID50	WETWID50	Num
55	Geomorphology	WETWID75	WETWID75	WETWID75	Num
56	Geomorphology	THADEP0	THADEP0	THALDE0	Num
57	Geomorphology	THADEP25	THADEP25	THALDE25	Num
58	Geomorphology	THADEP50	THADEP50	THALDE50	Num
59	Geomorphology	THADEP75	THADEP75	THALDE75	Num
60	Geomorphology	FLOODHT			Num
61	Geomorphology			TURB_FLD	Num
62	Geomorphology	VEL_DPTH	VEL_DPTH	VEL_DEPT	Num
63	Geomorphology	POOLQUAL	POOLQUAL		Num
64	Geomorphology			POOLGLID	Num
65	Geomorphology			EXPOOL	Num
66	Geomorphology	RIFFQUAL	RIFFQUAL		Num
67	Geomorphology			RIFFLRUN	Num
68	Geomorphology			EXRIFRUN	Num
69	Geomorphology	EMBEDDED	EMBEDDED	EMBED	Num
70	Geomorphology			CONCR_L	Num
71	Geomorphology			CONCR_B	Num
72	Geomorphology			CONCR_R	Num
73	Geomorphology			GABIO_L	Num
74	Geomorphology			GABIO_B	Num
75	Geomorphology			GABIO_R	Num
76	Geomorphology			RIPRP_L	Num
77	Geomorphology			RIPRP_B	Num
78	Geomorphology			RIPRP_R	Num
79	Geomorphology			BERM_L	Num
80	Geomorphology			BERM_B	Num
81	Geomorphology			BERM_R	Num
82	Geomorphology			DREG_L	Num
83	Geomorphology			DREG_B	Num
84	Geomorphology			DREG_R	Num
85	Geomorphology			PIPE_L	Num
86	Geomorphology			PIPE_B	Num

Table 1 (continued).

Variable	Feature	1994	1995-1997	2000	Data Type
87	Geomorphology			PIPE_R	Num
88	Geomorphology			CULVPRES	Num
89	Geomorphology			CULVSAMP	Num
90	Geomorphology			CULVWID	Num
91	Geomorphology	CHAN_ALT	CHAN_ALT		Num
92	Geomorphology	CH_FLOW	CH_FLOW		Num
93	Geomorphology	BANKSTAB	BANKSTAB		Num
94	Geomorphology		BANKHTFH		Num
95	Geomorphology		BANKANGL		Num
96	Geomorphology		BANKROOT		Num
97	Geomorphology		BANKSOIL		Num
98	Geomorphology		PARTSIZE		Num
99	Geomorphology		ERODIND5		Num
100	Geomorphology		ERODIND3		Num
101	Geomorphology			ERODEXLT	Num
102	Geomorphology			ERODEXRT	Num
103	Geomorphology			ERODSVLT	Num
104	Geomorphology			ERODSVRT	Num
105	Geomorphology			ERODARLT	Num
106	Geomorphology			ERODARRT	Num
107	Geomorphology			BAR_NONE	Num
108	Geomorphology			BAR_MIN	Num
109	Geomorphology			BAR_MOD	Num
110	Geomorphology			BAR_EXT	Num
111	Geomorphology			COB_BAR	Num
112	Geomorphology			GRAV_BAR	Num
113	Geomorphology			SAND_BAR	Num
114	Geomorphology			SC_BAR	Num
115	Wood	WOOD_DEB	WOOD_DEB	WOODINST	Num
116	Wood			WOODDEWA	Num
117	Wood		NUMROOT	ROOTINST	Num
118	Wood			ROOTDEWA	Num
119	Visual Habitat	INSTRHAB	INSTRHAB	INSTRHAB	Num
120	Visual Habitat	EPI_SUB	EPI_SUB	EPI_SUB	Num
121	Stream Character	MEANDER	MEANDER		Char
122	Stream Character	BRAIDED	BRAIDED	BRAIDED	Char
123	Stream Character	CHANNEL	CHANNEL	CHAN_YN	Char
124	Stream Character	STRAIGHT	STRAIGHT		Char
125	Stream Character	RIFFLE	RIFFLE	RIFFLE	Char
126	Stream Character	RUN_GLID	RUN_GLID	RUNGLIDE	Char
127	Stream Character	DEEPPOOL	DEEPPOOL	DEEPOOL	Char
128	Stream Character	SHALPOOL	SHALPOOL	SHALPOOL	Char
129	Stream Character	BOULDGT2	BOULDGT2	LRGBOULD	Char
130	Stream Character	BOULDLT2	BOULDLT2	SMLBOULD	Char

Table 1 (continued).

Variable	Feature	1994	1995-1997	2000	Data Type
131	Stream Character	COBBLE	COBBLE	COBBLE	Char
132	Stream Character	BEDROCK	BEDROCK	BEDROCK	Char
133	Stream Character	GRAVEL	GRAVEL	GRAVEL	Char
134	Stream Character	SAND	SAND	SAND	Char
135	Stream Character	SILTCLAY	SILTCLAY	SILTCLAY	Char
136	Stream Character	CONCRETE	CONCRETE		Char
137	Stream Character	ROOTWAD	ROOTWAD		Char
138	Stream Character	UNDCTBNK	UNDCTBNK	UNDERCUT	Char
139	Stream Character	OH_COVER	OH_COVER	OH_COVER	Char
140	Stream Character	H_REFUSE	H_REFUSE		Char
141	Stream Character	EMER_VEG	EMER_VEG	EMRPLANT	Char
142	Stream Character	SUBM_VEG	SUBM_VEG		Char
143	Stream Character	FLOATVEG	FLOATVEG	FLTPLANT	Char
144	Stream Character	STORMDRN	STORMDRN		Char
145	Stream Character	EFF_DIS	EFF_DIS		Char
146	Stream Character	BEAVPOND	BEAVPOND	BEAVPND	Char
147	Stream Blockage	ST_BLKHT	ST_BLKHT	ST_BLKHT	Num
148	Stream Blockage	ST_BLKTP	ST_BLKTP	ST_BLKTP	Char
149	Riparian Condition	SHADING	SHADING	SHADING	Num
150	Riparian Condition	RIP_WID	RIP_WID	RV_WID_L	Num
151	Riparian Condition			RV_WID_R	Num
152	Riparian Condition	BUFF_TYP	BUFF_TYP		Char
153	Riparian Condition	ADJ_COVR	ADJ_COVR	ADJ_CV_L	Char
154	Riparian Condition			ADJ_CV_R	Char
155	Riparian Condition			RV_BU_BL	Char
156	Riparian Condition			RV_BU_BR	Char
157	Riparian Condition			VEG_T_1L	Char
158	Riparian Condition			VEG_T_2L	Char
159	Riparian Condition			VEG_T_3L	Char
160	Riparian Condition			VEG_T_4L	Char
161	Riparian Condition			VEG_T_1R	Char
162	Riparian Condition			VEG_T_2R	Char
163	Riparian Condition			VEG_T_3R	Char
164	Riparian Condition			VEG_T_4R	Char
165	Riparian Condition			BRKTYPE	Char
166	Riparian Condition			BRK_SIDE	Char
167	Riparian Condition			BRK_SEV	Char
168	Riparian Condition			MULTFLOR	Char
169	Riparian Condition			MILEMIN	Char
170	Riparian Condition			JHONEY	Char
171	Riparian Condition			RCANGRAS	Char
172	Riparian Condition			THISTLE	Char
173	Riparian Condition			EXO_OTHE	Char
174	Remoteness	REMOTE	REMOTE		Num

Table 1 (continued).

Variable	Feature	1994	1995-1997	2000	Data Type
175	Remoteness			DIST_RD	Num
176	Aesthetics	AESTHET	AESTHET	AESTHET	Num

Once streams were classified and new reference criteria developed, we examined and transformed the physical habitat metrics for use in the multimetric habitat index. The databases from the three sampling periods (1994, 1995-1997, and 2000) were merged and numerically and visually examined for statistical distributions (central tendency and variance) and adherence to assumptions of normality and equal error variance. Several metrics required transformations to meet those assumptions (Table 2). In addition, there were some differences in the way habitat metrics were measured among the 3 collection periods. We calibrated two metrics (erosion index and remoteness) to make them comparable among sampling periods. Lastly, some riparian land use, habitat, and substrate data consisted of discrete presence/absence values. These were difficult to model using a parametric statistical approach and were combined into a percentage of the different land use, habitat, and substrate types present at a site to approximate more continuous variable behavior (Table 2).

We looked at the spatial dependence of metrics using standard pearson correlation analysis of each metric with watershed area. Watershed areas had been calculated by the MBSS (e.g. Roth et al. 1999) and areas were plotted against each metric for reference sites. For metrics exhibiting spatial dependence, a regression model was built to predict the metric value for each site based on watershed area. The residuals from this prediction were then used as the value for that metric. Conceptually, degraded sites would have larger or smaller residuals than reference sites, whose mean residuals should be equal to

zero. Table 2 lists metrics requiring spatial modeling. Metrics not showing spatial dependence were not modeled this way.

Once reference sites for each stream class were identified, the data prepared, transformed, and corrected for spatial dependence, individual metrics were rescaled from 0 to 100 (Barbour et al. 1999). For metrics decreasing with degradation, we calculated the scaled metric value using the formula:

$$\text{Metric}_{\text{scale}} = \frac{(\text{value}) - (\text{min})}{(95^{\text{th}}\ \text{Percentile}) - (\text{min})} \times 100$$

where min = minimum value for that metric and the 95^{th} percentile is the 95^{th} percentile of the metric values. For metrics that increased in value with degradation, we used the formula:

$$\text{Metric}_{\text{scaled}} = \frac{(\text{max}) - (\text{value})}{(\text{max}) - (5^{\text{th}}\ \text{percentile})} \times 100$$

where max = maximum value for that metric and 5^{th} percentile is the 5^{th} percentile of metric values.

Once the metrics were properly scored, we evaluated their ability to discriminate between reference and degraded sites in each stream class. We used box and whisker plots to analyze the distributions of scores in reference and degraded streams and calculated discrimination efficiencies for each metric (discrimination efficiency = percent of degraded site scores below the 25^{th} percentile of reference site scores)(Barbour et al. 1999).

Table 2 - Variables used for building metrics. The variables listed are the ones that could be normalized. Transformations used for transformed variables are shown, along with the formulae for calculating new variables and variables transformed for comparability among years.

Variable	Description (Transformation)
TACRE	Watershed area (common log)
FORLU	Adjacent forested land use
SINUOUS	Sinuosity
MAXDEPTH	Maximum depth
WETWID	Wetted width
THADEP	Thalweg depth
WIDDEP	Wetted width/Thalweg depth
VELDEP	Velocity/depth quality
POOLQUAL	Pool quality
RIFFQUAL	Riffle quality
EMBEDDED	Embeddedness
TBANKSTAB	Transformed bank stability (square root)
WOOD	Instream Wood
INSTRHAB	Instream Habitat
EPISUB	Epibenthic substrate
SUBSTR	Substrate
HAB	Habitat
TSHAD	Transformed percent shading (arc-sine square-root)
RIPWID	Riparian width
REMOTE	Remoteness
AESTHET	Aesthetics

FORLU = percent of adjacent forest types present (old field, deciduous forest, coniferous forest, wetland).
SINUOUS = Straight line distance of upstream to downstream ÷ 75m.
BANKSTAB = MBSS 2000 erosion extent was converted to 0-20 score bank stability using the formula:

$$= \left[\frac{(\text{Erosion Extent})}{-15} \times (\text{Severity})\right]_{\text{left bank}} + \left[\frac{(\text{Erosion Extent})}{-15} \times (\text{Severity})\right]_{\text{right bank}} + 20$$

SUBSTR = Percent of substrate types present in Coastal Plain (cobble, gravel, sand, and silt/clay), Piedmont (small boulder, cobble, gravel, sand, silt/clay), and Highland (bedrock, large boulders, small boulders, cobble, gravel, sand, and silt/clay) streams.
HAB = percent of habitat types present (riffle, run/glide, deep pools, shallow pools, undercut banks, overhanging cover).
REMOTE = MBSS 2000 distance to road was converted to a 0-20 remoteness score using the equation:

$$= 0.615 + 0.733\sqrt{\text{meters from road}}$$

Of the most discriminating metrics, we selected the set that was least redundant (avoiding an abundance of highly correlated metrics) and reflected the largest diversity of habitat characteristics. The scores for these metrics were averaged to calculate a final physical habitat index (PHI) score for each site within each stream class.

Once the final PHI was calculated for each site, we looked for watershed area effects in final scores among the reference sites by measuring correlation between watershed area and the final PHI scores. Variables exhibiting watershed area effects were corrected using regression analysis. After investigating for area effects, we looked at the discrimination efficiency of the overall PHI scores by looking at both box and whisker distribution plots of scores in reference and degraded sites and calculating the percent discrimination efficiency as the percentage of degraded sites scoring below the 25^{th} percentile of the reference scores.

We investigated the relationship between the new PHI developed here and the provisional PHI (Hall et al. 2000) using regression analysis. We developed and equation for converting between the different PHI values as well and we measured the root mean square error of the regression to estimate the error involved in predicting the provisional PHI value from the revised value. We also compared correlations between each of the habitat indices and the fish and benthic indices to compare the indices.

We looked at the relationship between the PHI and the fish index of biological integrity (FIBI, Roth et al. 1997, 1998, 2000) and the benthic index of biological integrity (BIBI, Stribling et al. 1998) using correlation analysis. We looked at these relationships statewide, within each stream class, and then by major river basin. Finally, we constructed multiple regression models to predict FIBI and BIBI scores using a variety of

chemical measures (pH, acid neutralizing capacity, nitrate and sulfate concentration, conductivity, dissolved oxygen, and mean temperature) and the PHI. Chemistry data were collected by MBSS (Roth et al. 1999). We used the forward-stepwise selection method, and limited the models to 4 final variables.

2.2 Novel Metric Investigation

Investigating new metrics consisted of collecting additional data and exploring the potential of the new metrics to improve upon the existing habitat assessments in terms of assessing stream condition, diagnosing habitat impacts on biological condition, and providing information of importance to prioritizing habitat restoration. We collected pebble count, accurate slope, and bankfull depth data from 30 streams in Prince George's and Howard Counties. Tetra Tech, Inc sampled these same streams previously as part of county bioassessment programs (Stribling et al. 1999, Pavlik and Stribling 2001). We used a standard Wolman pebble count where 10 random sediment particles were sampled along each of ten transects along the 75 meter study reach. The intermediate diameter of each particle was recorded. Slope was measured using a laser level and stadia rod. Heights of riffle crests in the top and bottom of study reaches were recorded to the nearest hundredth of a foot and the linear distance between the same riffle crests was measured along the thalweg using standard metric tape and recorded to the hundredth of a foot. Lastly, the bankfull depth was measured to the hundredth of a foot using a laser level and stadia rod at each site and all measurements converted to metric. Bankfull height was identified using standard visual estimation of bankfull features (Gordon et al. 1992, Rosgen 1996).

We used the pebble count data to calculate the percent of sediment particles in each of several sediment size classes: fine (<0.0625 mm), sand (0.0625 - 2 mm), fine gravel (2-16 mm), coarse gravel (16-64 mm), cobble (64-256 mm), boulder (256-4096 mm), and bedrock (>4096 mm). We calculated reach slope by dividing the differences in height between the upstream and downstream riffle crests by the distance between them. Lastly, we calculated the relative bed stability described earlier. Relative bed stability is the ratio of the median stream particle size (D_{50}), calculated from the frequency distribution of sediment data to the median particle size moved during bankfull flow (Kaufmann et al. 1999). The formula for estimating the median particle moved during bankfull is:

$$D_{50}^{*} = \frac{\rho_{H_2O} g R_{bf} S}{\theta(\rho_{sed} - \rho_{H_2O})g}$$

where ρ_{H_2O} and ρ_{sed} are the density of water (approximately 998 kg/m^3 for freshwater) and sediment (approximately 2650 kg/m^3 for silicate mineral sediments), respectively, θ is the dimensionless Shields parameter and is related to the erodibility of sediments (approximately 0.044, Yalin and Karahan 1979), g is the gravitational constant (9.81 m/s^2), R_{bf} is bankfull depth, and S is the channel slope. The constants can be combined to reduce the formula to:

$$D_{50}^{*} = 13.7 R_{bf} S.$$

Relative bed stability (RBS) is then equal to

$$RBS = \frac{D_{50}}{D_{50}^{*}}.$$

Once we calculated relative bed stability, we standardized the scores by calculating the absolute difference from 1.0. This was done so that any deviation from stability would be weighted equally and we could examine the degree to which departure from relative stability, either positive or negative, affected biota. We compared RBS and standardized RBS to BIBI, the number of Ephemeroptera, Plecoptera, and Trichoptera (EPT) insect taxa, and the percent of Ephemeroptera taxa in streams. Biological data were taken from the Prince George's and Howard County bioassessment reports (Stribling et al. 1999, Pavlik and Stribling 2001).

2.3 Statistical Analysis

Statistical analyses were made using standard visual and numeric analysis techniques along with correlation analysis, simple linear regression, and multiple linear regression with Statistica 5.0 software (Statsoft 1995, Zar 1999).

3 RESULTS AND DISCUSSION

3.1 Physical Habitat Index Revision

We investigated a number of different stream classifications for the state. We originally split study sites into Coastal Plain and Non-Coastal Plain sites, consistent with the original PHI approach. Non-Coastal Plain sites consisted of the Piedmont, Blue Ridge, Valley and Ridge, and Appalachian Plateau (Figure 1). Seeing as the Piedmont represents nearly a third of the state and has markedly different soils and land use history, we added the Piedmont region as a third class of streams and combined the remaining non-Coastal Plain sites into a Highlands class in our final classification. An additional reason for distinguishing the Piedmont class was that original reference criteria for the non-Coastal Plain sites led to a predominance of Highland streams serving as reference sites for the whole non-Coastal Plain class. Because Piedmont streams were so underrepresented, we were concerned that the two class approach would be biased against Piedmont streams.

Figure 1 – Map of Maryland indicating ecoregions of the state. The Highland stream class was formed by joining the Blue Ridge, Valley and Ridge, and Appalachian Plateau ecoregions.

Once we had classified the streams of the state, we proceeded to define reference criteria. Our objective while selecting reference and degraded criteria was to refrain from using biological or chemical variables. We wanted to avoid the circularity affecting the original PHI reference criteria, which included FIBI scores. In addition, we wanted to avoid using chemical variables because one function of the PHI is to be used to diagnose biological stream degradation separately from chemical degradation. By keeping the criteria separate, we hoped to isolate their effects. For this reason, we selected land use/land cover values as our reference criteria, with the implicit assumption that greater landscape disturbance alters channel morphology, the template upon which physical habitat is based. Relationships between agricultural and urban transformations of the landscape and stream condition are well established (see Wiley et al. 1990, Roth et al. 1996, Wang et al. 1997, Paul and Meyer 2002). We excluded any channelized streams from consideration as reference sites.

We used different criteria for each of the three stream classes. We sought criteria that maximized the contrast in land cover between reference and degraded conditions (reflecting the least disturbed reference and most degraded land use conditions possible), while at the same time providing enough sites for statistical comparison (Table 3). For Coastal Plain areas, reference criteria were greater than 70% forest and less than 3% urban land cover, while degraded sites were less than 15% forest and/or greater than 85% agriculture and/or greater than 50% urban. This resulted in 40 reference sites and 49 degraded sites in the Coastal Plain class (7 and 9 % of the sites in the class respectively). For the Piedmont class, reference criteria were set lower to provide enough sites for adequate comparison. We set reference criteria at greater than 55% forest and less than

2% urban. Due to the amount of disturbed landscape, however, we were able to set stricter criteria for degraded sites: less than 10% forest, and/or greater than 85% agriculture and/or 70% urban. These criteria resulted in 30 reference sites and 66 degraded sites (5 and 12% of Piedmont sites respectively). The Highlands class contained the most forested watersheds. For this reason, criteria could be set much higher. Reference criteria were set at greater than 95% forest and less than 0.5% urban. Degraded criteria were set at less than 25% forest and/or greater than 75% agriculture and/or greater than 30% urban. This gave 36 reference sites and 28 degraded sites (11 and 8% of Highland sites respectively).

Table 3 – Reference and degraded stream criteria for each of the three stream classes used for constructing physical habitat indices for Maryland. Below this is shown the number of sites in each stream class and the distribution of those sites in reference, degraded, and non-categorized groups. (F=forest, A=agriculture, U=urban).

Stream Class	*Reference Criteria*	*Degraded Criteria*
Coastal Plain	F>70% and U<3%	F<15% and/or A>85% and/or U>50%
Piedmont	F>55% and U<2%	F<10% and/or A>85% and/or U>70%
Highlands	F>95% and U<0.5%	F<25% and/or A>75% and/or U>30%

	Reference	*Non-categorized*	*Degraded*
Coastal Plain (544)	40 (7%)	455 (84%)	49 (9%)
Piedmont (561)	30 (5%)	465 (83%)	66 (12%)
Highlands (343)	36 (10%)	279 (82%)	28 (8%)

There was equal representation of reference sites across the state and no east to west bias (Figure 2). This was a result, in part, of relaxing the reference criteria for Piedmont streams as compared to other areas so we could identify ample reference sites within the Piedmont. This needs to be considered when comparing results from

Piedmont sites with the two other regions as the Piedmont criteria set a lower reference standard, resulting in greater habitat degradation in reference sites. As a result, there are lower expectations for the reference condition within this class and the calculation of impairment thresholds for physical habitat in the Piedmont may have to be different from the other two stream classes. For example, the 25th percentile of reference PHI could be used for Coastal Plain and Highland streams, while the 75th percentile of reference PHI is used for Piedmont streams.

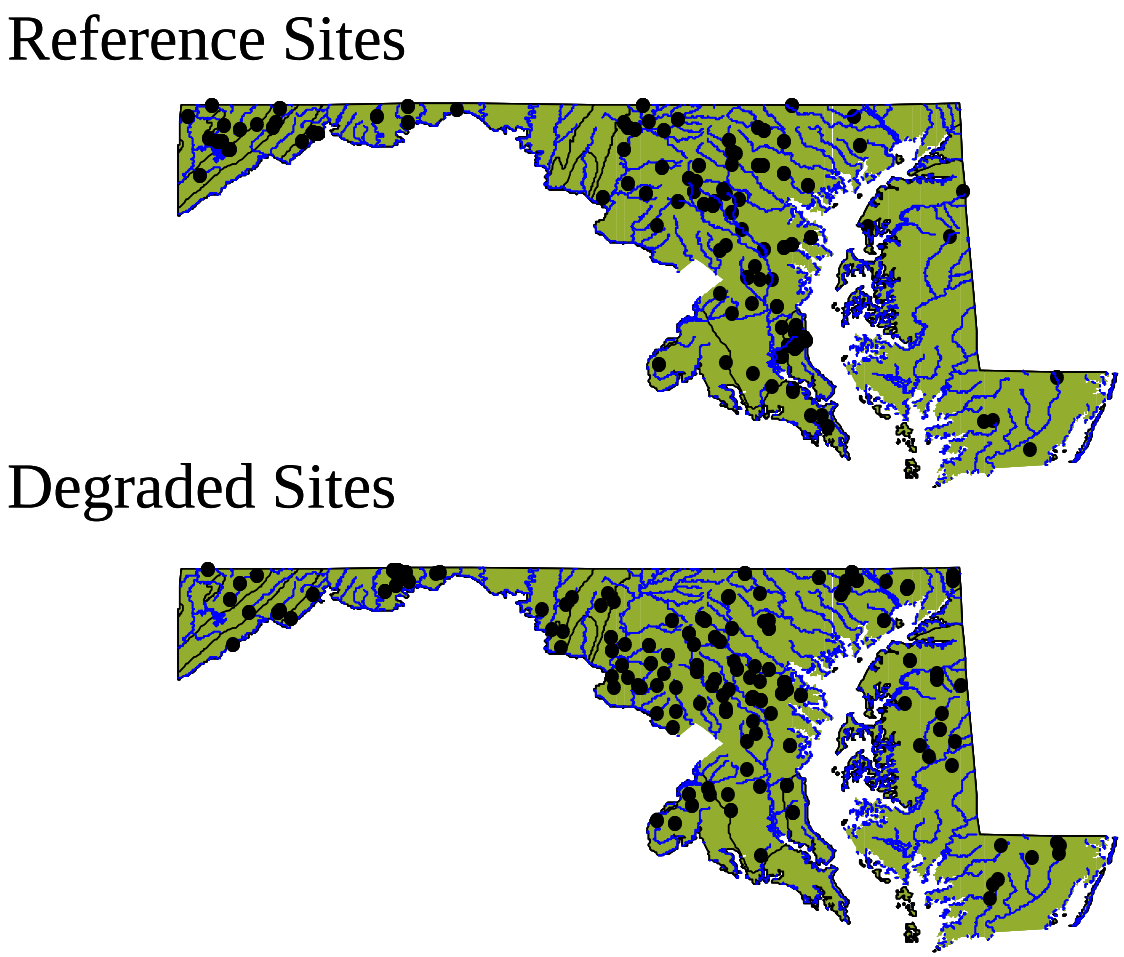

Figure 2 – Map of the location of physical habitat reference and degraded sites across the state.

Reference streams did tend to be smaller than degraded streams in the Coastal Plain and Highland stream classes, but were actually larger, on average, than degraded streams in the Piedmont region (Figure 3). It is generally difficult to find large sized reference streams, because the patchy nature of land use disturbance tends to disrupt large contiguous patches of forested land. While this situation may affect this analysis, the box-and-whisker plots clearly indicate overlap in stream sizes among the reference and degraded conditions in each stream class. In addition, we corrected for area effects to isolate the effects of area on several potential metrics (see below).

Once we established stream classes and reference and degraded criteria, we began to analyze potential metrics. Metrics were transformed as necessary (Table 2). We also had to modify a few variables. Adjacent forested land use was constructed from the percent of four land use types (old field, deciduous forest, coniferous forest, and wetland) observed adjacent to the study reach. The substrate variables were constructed from the percent of sediment types present at a site, with the assumption that a variety of sediment types is preferable to more homogeneous substrate conditions. We determined which sediment classes to consider by considering only those present in at least 50% of the reference sites (Table 4). For Coastal Plain streams, we calculated the percent in cobble, gravel, sand, and silt/clay; for Piedmont streams, the percent of small boulder, cobble, gravel, sand, and silt/clay; and, lastly, for Highland streams, the percent bedrock, large and small boulders, cobble, gravel, sand, and silt/clay.

We modified the habitat metric in a similar way. We calculated the percent of habitat types present at each site, again assuming that a variety of habitat types was preferable to only a few types. In this case, all three classes used the same set of habitat

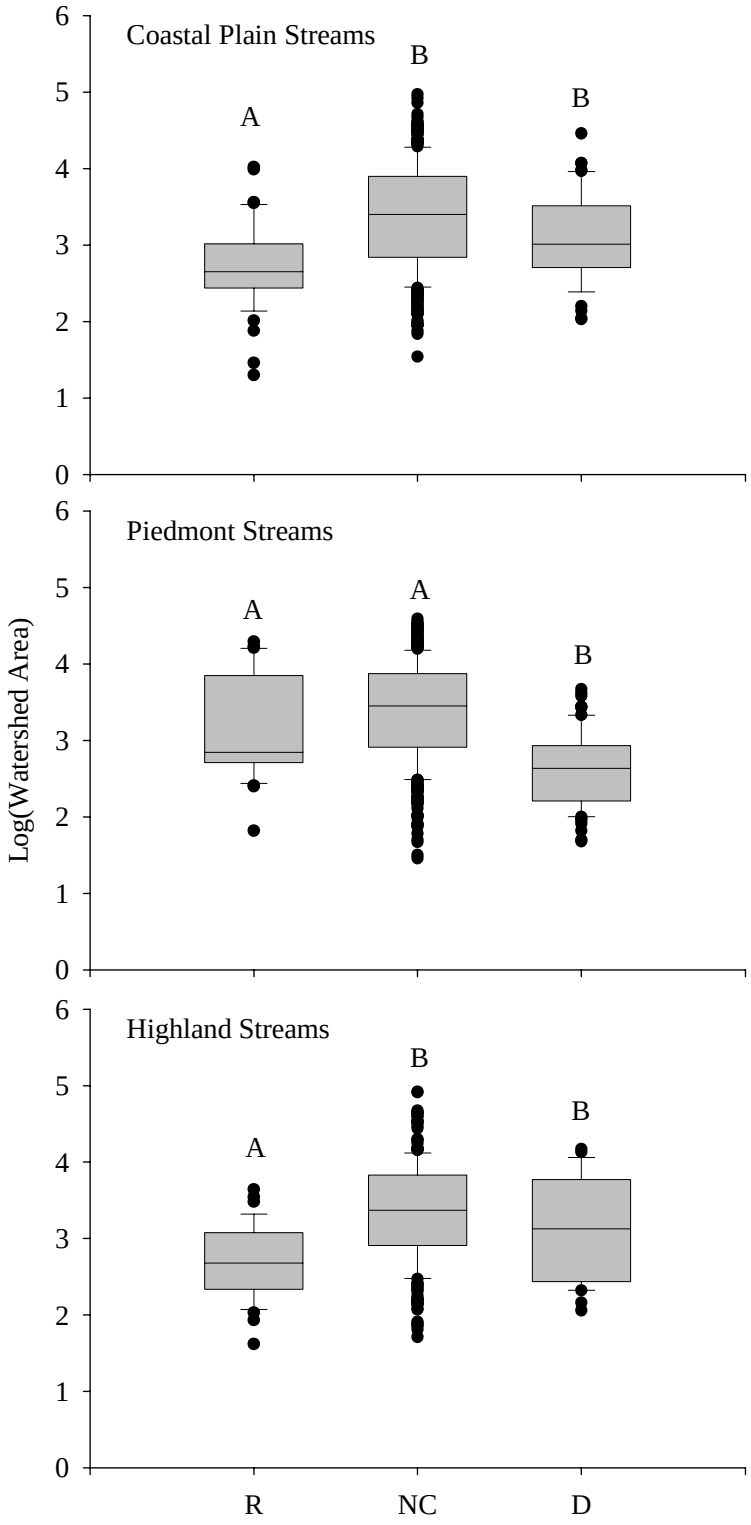

Figure 3 – Box and whisker plots of watershed area by reference category (R=reference, NC=non-categorized, D=degraded) and by stream class. Boxes indicate the median, 10th, 25th, 75th, and 90th percentiles. Within a stream class, categories with different letters above the boxes are significantly different ($p<0.05$, one-way ANOVA, Tukey's HSD multiple comparisons test).

types, which were present in at least 50% of the reference sites in each class. These habitat types were riffle, run/glide, deep pools, shallow pools, undercut banks, and overhanging cover. Emergent and floating vegetation were excluded, as they were only present in, at most, 30% of the reference sites.

Table 4 – The percent of reference sites having each substrate types in each of the three stream classes. Substrate types in bold were used in calculating the SUBSTR metric for each stream class (>50% reference sites).

	Stream Class		
Substrate Type	*Coastal Plain*	*Piedmont*	*Highlands*
Large Boulder	7.1	40.0	**54.5**
Small Boulder	28.6	**93.1**	**93.9**
Cobble	**51.5**	**97.2**	**94.3**
Bedrock	3.6	28.6	**56.5**
Gravel	**78.9**	**97.3**	**97.1**
Sand	**91.5**	**100.0**	**100.0**
Silt/clay	**97.9**	**100.0**	**96.8**

Two other new variables were considered. The width:depth ratio was calculated as the ratio of wetted width to average stream thalweg depth calculated for each site. Bankfull or channel widths would have been more comparable than wetted widths, which are subject to flow conditions, but these data were not available for the MBSS sites. Sinuosity was also estimated as the ratio of the straight line distance between the upstream and downstream segment endpoints and 75 m, the stream reach length assessed and measured along the thalweg.

Two other variables were collected in each period, but using different approaches. For each, we derived equations to make the measurements comparable among years. Bank stability was measured on a 0-20 scale from 1994-1997. During the 2000 sampling, the MBSS estimated bank stability as the linear extent of erosion along both banks

(maximum of 75 m each bank) and also noted the severity of the erosion (from 0=minimal to 3=severe). We converted the year 2000 data to a 0-20 scale using the following formula:

$$= \left[\frac{(\text{Erosion Extent})}{-15} \times (\text{Severity}) \right]_{\text{left bank}} + \left[\frac{(\text{Erosion Extent})}{-15} \times (\text{Severity}) \right]_{\text{right bank}} + 20$$

and we used severity values of 0,1,1.5, and 2. Thus, if all 75 m of stream were eroded severely on each bank, each bank would score –10, for a sum total of –20. Adding 20 to this score would result in a score of 0 for bank stability. Likewise, if there was no erosion, a site would get a score of 20.

The second variable we converted was remoteness, which had been scored on a scale of 0-20 from 1994-1997, wheras, during the 2000 sampling, instead of using this scale, the actual distance to a road was estimated. Because of this discrepancy, we converted the 1994-1997 values to make the measures comparable. The original method stated distance criteria for each scoring range: 0-5 scores had roads adjacent to the stream, 6-10 were where roads were within 0.25 miles of the stream but accessible by trail, scores of 11-15 for streams within 0.25 miles but not accessible by trail, and scores of 16-20 for sites more than 0.25 miles. We converted the miles to meters and created a gradient of distances corresponding to each metric score. We then regressed the 0-20 based scores for each site against the distance in meters to calculate new remoteness scores for the 2000 data. The formula for this conversion was

$$= 0.615 + 0.733\sqrt{\text{meters from road}}\,.$$

These values can be found in Appendix A where all the physical habitat data are shown for each site.

We found relationships between watershed area and several variables in reference sites in each of the three regions (Coastal Plain: pool quality, instream wood, instream habitat quality, and epibenthic substrate quality; Piedmont: velocity-depth quality, pool quality, riffle quality, instream habitat quality, and percent shading; Highlands: velocity-depth quality and percent of habitat present)(Table 5). The likely reason is the description of the different habitat metrics and their dependence on depth criteria for scoring. Since stream depth, like most channel dimensions, increases with stream size, it is not surprising that we found these relationships (e.g. Figure 4). We corrected these variables by regressing reference site values against the $\log_{10}$ of their watershed area. We used the regression formula, based on reference sites, to predict the metric value for any given site based on its watershed area. We took the residual of this value and used it as our metric score. We assumed increasing negative residuals were correlated with physical disturbance, which is demonstrated by the mean residual riffle quality in degraded Piedmont streams (Figure 5).

Once we finished the area corrections, we analyzed all the metrics for their ability to discriminate between reference and degraded sites. We calculated discrimination efficiencies for each metric and examined correlation coefficients among the metrics (Table 6). In general, we sought to combine metrics that exhibited some discrimination (>0.25) and we attempted to avoid having too many highly correlated variables together. Ultimately, it was the performance of the final multimetric that was our focus, rather than any one metric alone. Based on our analyses, we selected a set of discriminatory metrics for each of the three stream classes and these were combined into a final multimetric PHI (Table 7). In the Coastal Plain region, we found that bank stability, wood, instream

Table 5 – Regression equations used to correct spatial dependence for different variables in each of the three stream classes. The equations were derived from reference site catchment area versus metric value regressions. Watershed area values (acres) were then entered for each site and the residuals from the predicted values used as the response variable. (Abbreviations are explained in Table 2).

Stream Classes		
Coastal Plain	*Piedmont*	*Highlands*
POOLQUAL = -1.170+4.3125 (TACRE)	VELDEP = 1.2083+3.3096 (TACRE)	VELDEP = 1.4974+2.4473 (TACRE)
WOOD = -12.24+8.8120 (TACRE)	POOLQUAL = -1.751+4.4219 (TACRE)	HAB = -0.1591+0.28704 (TACRE)
INSTRHAB = 0.5505+4.2475 (TACRE)	RIFFQUAL = 5.8467+2.4075 (TACRE)	
EPISUB = 3.5233+2.5821 (TACRE)	INSTRHAB = 9.9876+1.5476 (TACRE)	
	TSHAD = 1.7528-0.1990 (TACRE)	

habitat, epibenthic substrate, shading, and remoteness were the best combination of metrics for discriminating degraded sites from reference. In Piedmont streams, riffle quality, bank stability, wood, instream habitat, epibenthic substrate, shading, remoteness, and embeddedness were the best metrics. Finally, in the Highlands streams, bank stability, epibenthic substrate, shading, riparian width, and remoteness were used. All the multimetrics originally had aesthetics included as a metric. This was a very discriminating metric but it was felt to reflect stressors that may be independent of instream habitat, so it was left out of the multimetric indicator. Detailed equations and procedures for calculating the final multimetric PHI in each region are given in Appendix B.

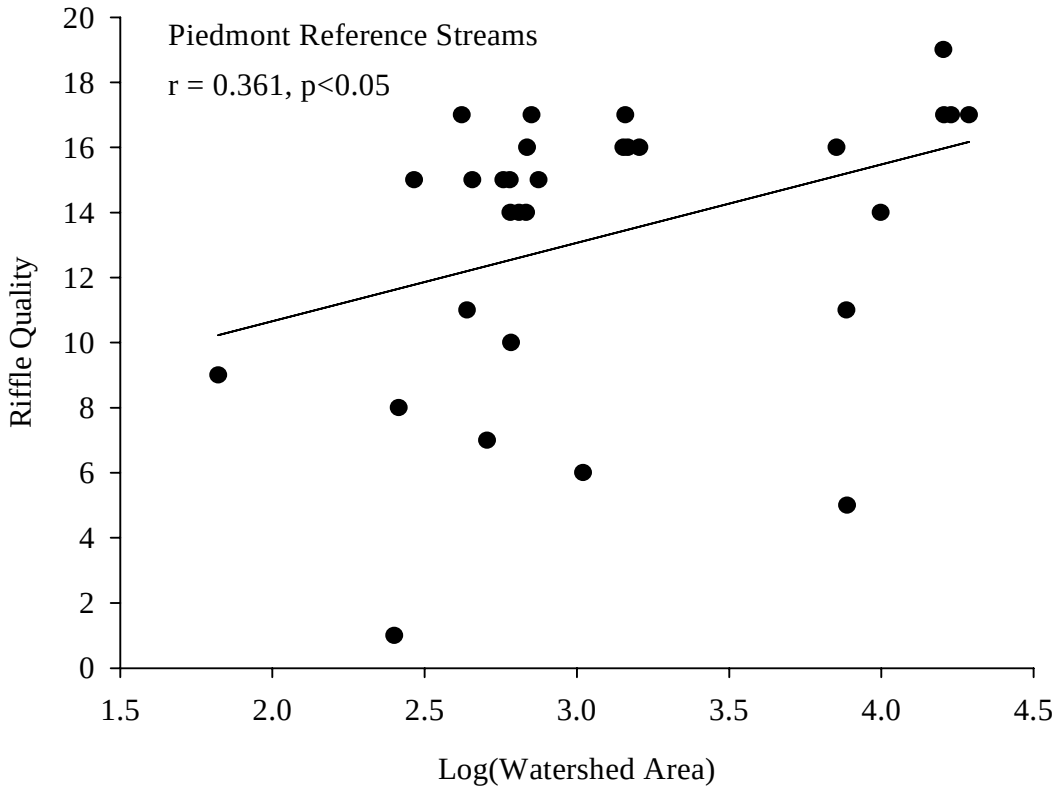

Figure 4 – Plot of watershed area against riffle quality scores in Piedmont reference streams. The pearson correlation coefficient is shown. Similar analyses were run for all metrics to check for watershed area effects.

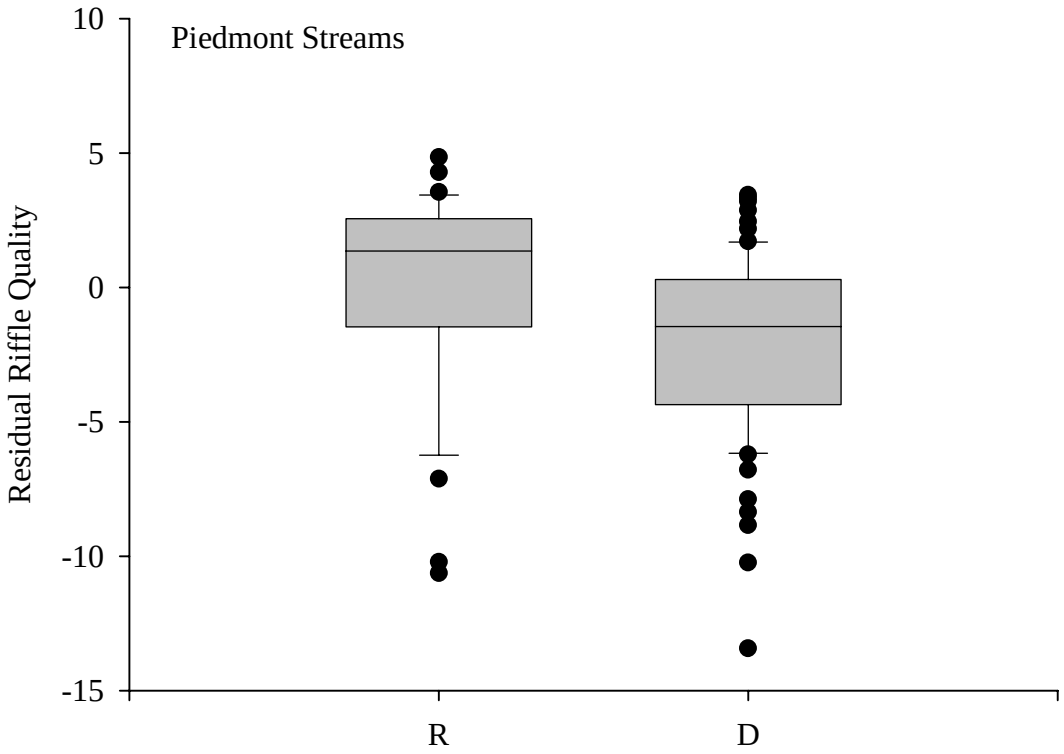

Figure 5 – Box and whisker plot of residual riffle quality in reference (R) and degraded (D) sites in Piedmont streams. Residual riffle quality was calculated by subtracting the riffle quality of a test site predicted based on the area of that watershed (estimated from the regression of area versus riffle quality in reference sites) from the observed riffle quality. Negative residuals indicate sites having worse riffle quality than that predicted for reference sites of similar watershed area. Boxes indicate the median, 10^{th}, 25^{th}, 75^{th}, and 90^{th} percentiles.

The final metrics selected reflected a mix of different habitat characteristics (e.g. reach land cover, geomorphology, wood, visual habitat, riparian condition, etc.), but we do not consider these to be the only metrics of importance in stream habitat assessment. Land use changes will continue to affect stream habitat and it may be that other metrics currently collected will need to be used in the future to better assess and diagnose habitat problems. While the current PHI can be used to assess habitat and calculate the number of habitat impaired streams across the state, variables not used likely will be important in

diagnosing specific habitat problems at sites indicated as generally degraded by the PHI. In addition, it may be that future insights and modifications to the habitat assessment will result in revisions to the PHI. The program will be most flexible in terms of meeting any future changes by keeping the full suite of variables.

Table 6 – Discrimination efficiencies of each metric in each of the three stream classes in Maryland. Values in bold represent metrics selected for the PHI of each class. (Abbreviations are explained in Table 2).

Variable	Discrimination Efficiency		
	Coastal Plain	*Piedmont*	*Highlands*
FORLU	0.27	0.23	0.18
SINUOUS	0.08	0.23	0.21
MAXDEPTH	0.16	0.30	0.07
WETWID	0.10	0.59	0.18
THADEP	0.16	0.36	0.04
WIDDEP	0.16	0.52	0.46
VEL_DPTH	0.10	0.26	0.29
POOLQUAL	0.37	0.29	0.07
RIFFQUAL	0.18	**0.50**	0.14
EMBEDDED	0.22	**0.29**	0.00
TBANKSTAB	**0.53**	**0.32**	**0.57**
WOOD	**0.82**	**0.36**	0.25
INSTRHAB	**0.45**	**0.64**	0.25
EPI_SUB	**0.53**	**0.35**	**0.43**
SUBSTR	0.12	0.14	0.32
HABITAT	0.16	0.20	0.29
TSHADING	**0.51**	**0.70**	**0.46**
RIPWID	0.86	0.41	**0.75**
REMOTE	**0.71**	**0.36**	**0.64**
AESTHET	0.80	0.36	0.89

After assembling the multimetrics, we checked to see if there were any watershed area effects in the final multimetric by plotting watershed area versus the PHI for each region. There was no significant relationship between area and PHI score (Figure 6). This means there was no apparent dependence on area. This is not surprising, given the

careful attention to controlling for stream size in the construction of the individual metrics. The lack of bias against small streams also means that habitat quality can be equally compared in streams of any size.

Table 7 – Metrics used in the PHI for each stream class, the direction of change with degradation, and the habitat feature reflected by each metric. Metrics denoted with an asterisk were watershed area corrected. (Abbreviations are explained in Table 2)

Region	Direction of Change	Feature
Coastal Plain		
TBANKSTAB	Decreases	Geomorphology
WOOD*	Decreases	Wood
INSTRHAB*	Decreases	Visual Habitat
EPISUB*	Decreases	Visual Habitat
TSHAD	Decreases	Riparian Condition
REMOTE	Decreases	Remoteness
Piedmont		
RIFFQUAL *	Decreases	Geomorphology
TBANKSTAB	Decreases	Geomorphology
WOOD	Decreases	Wood
INSTRHAB*	Decreases	Visual Habitat
EPISUB	Decreases	Visual Habitat
TSHAD*	Decreases	Riparian Condition
REMOTE	Decreases	Remoteness
EMBEDDED	Increases	Geomorphology
Highlands		
TBANKSTAB	Decreases	Geomorphology
EPISUB	Decreases	Visual Habitat
TSHAD	Decreases	Riparian Condition
RIPWID	Decreases	Riparian Condition
REMOTE	Decreases	Remoteness

After checking for watershed size dependence, we examined the ability of the overall multimetric indices to discriminate between reference and degraded streams in each stream class. Discrimination efficiency for the final PHI was highest for Highland streams (89%) and this was similar to the discrimination efficiency observed in the Coastal Plain region (84%). The discrimination in the Piedmont region was much lower

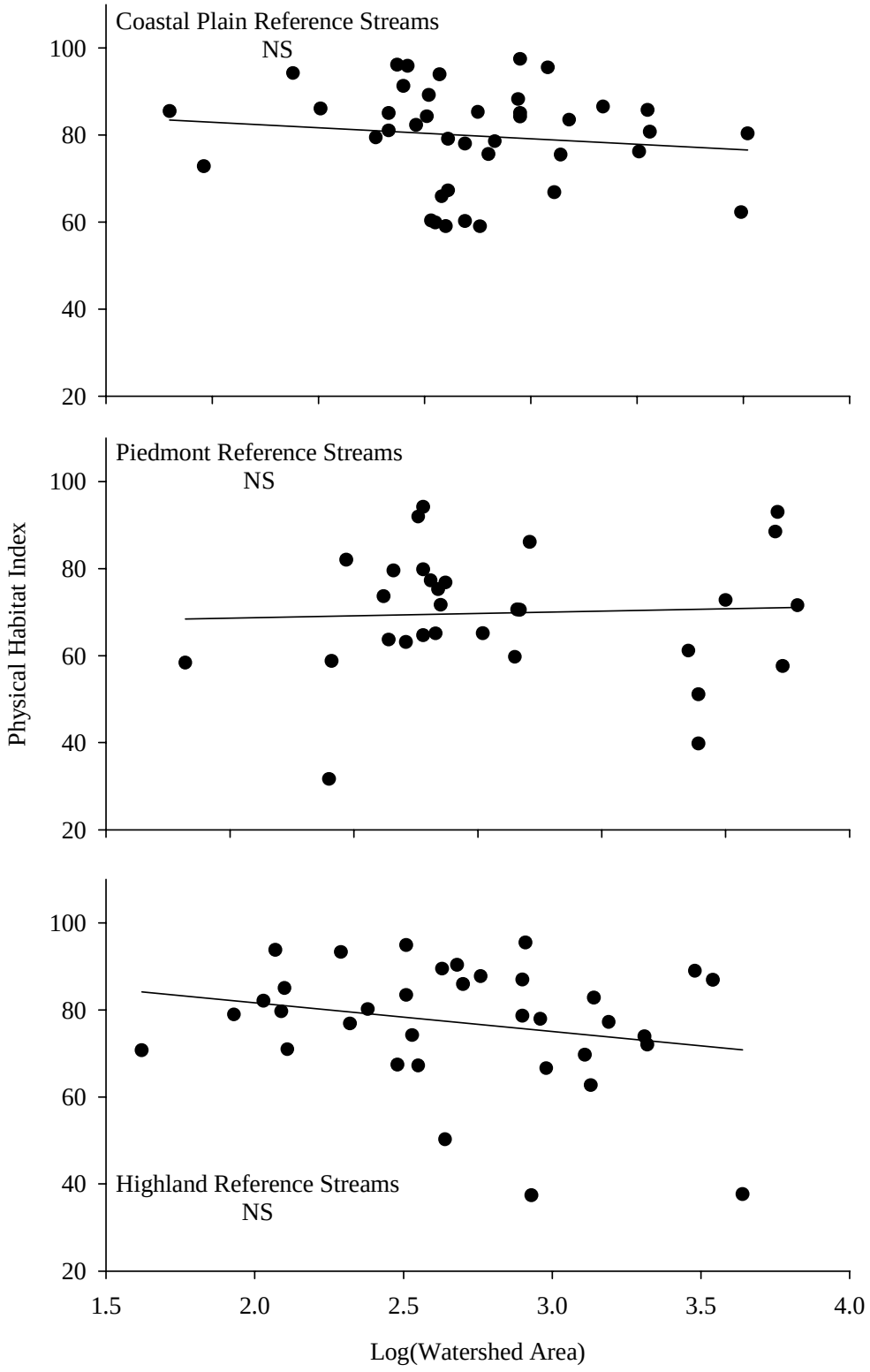

Figure 6 – Plots of watershed area versus the final PHI for reference streams in each stream class. None of the classes showed a significant correlation between area and PHI, indicating no watershed area effects. (NS = not significant).

(55%). This is likely a result of the lowered reference criteria used in the Piedmont region. We used streams with more land use disturbance in our reference set for this region to get a sufficient number of reference sites for identifying and scoring metrics. Scores are scaled to the reference distribution, which resulted in higher values for degraded sites in this region and the decreased observed discrimination efficiency. As mentioned above, any conclusions about the habitat quality in Piedmont streams must be tempered by these facts. Any threshold value should be based on the confidence with which the reference set reflects truly minimally disturbed conditions. For the Piedmont region, we are less confident reference sites reflect as minimally impacted a condition as in the other two regions and the impairment thresholds should reflect that uncertainty. In setting thresholds for establishing habitat impairment criteria, it may be necessary to use more conservative values (e.g., the 75^{th} percentile of reference scores) for this region as opposed to others (which might use, for example, the 25^{th} percentile of reference).

Having compiled new PHI scores, we related them to the FIBI and BIBI multimetric scores calculated for the same sites from the same study periods. We calculated correlation coefficients between the PHI and IBIs for each individual region (Table 8). We ran separate correlations between the PHI and IBIs for sites where the low pH (<5) and DO (<2 mg/L) sites had been removed in order to remove the potential interference of acid precipitation and low oxygen stressed sites (Table 8). These correlations are generally higher, largely because sites with these obvious chemical disturbances have been removed. Even without the low DO and low pH sites, the correlation coefficients are still quite low, but they are comparable to correlations observed with the provisional PHI (0.15 for the B-IBI and 0.46 with the FIBI)(Hall et al.

1999). The previous PHI was more strongly correlated with the FIBI, but FIBI scores were used for defining the reference condition, so that result is not surprising.

Table 8 – Results of correlation analyses among PHI and IBI values for each stream class. Values are Pearson product-moment correlation coefficients and significant coefficients ($p<0.05$) are indicated with an asterisk.

Stream Class	**All Sites**			**Low pH and DO Sites Removed**		
Coastal Plain	N	BIBI	FIBI	N	BIBI	FIBI
PHI versus	349	+0.300*	+0.070	331	+0.330*	+0.100
Piedmont						
PHI versus	415	+0.290*	+0.380*	414	+0.280*	+0.360*
Highlands						
PHI versus	263	+0.250*	+0.120*	254	+0.280*	+0.150*
Overall						
PHI versus	1027	+0.250*	+0.200*	999	+0.260*	+0.220*

Some studies have observed stronger relationships between physical habitat scores and multimetric biotic scores, while others show similar correlations to the ones we observed (Rankin 1995, Gerritsen et al. 1996, Dyer et al. 1998, Rankin et al. 1999, Rockdale County 2001). Habitat clearly constrains the biological integrity of streams. The degree to which it is statistically associated with biotic integrity will depend on the extent and nature of different stressors. Areas with numerous effluents would be expected to show stronger relationships between IBI scores and stream chemistry, those with extensive channelization and hydrologic modification may show stronger relationships with habitat, those with a mixture of stresses (e.g. urban land use) would likely show relationships with both chemistry and habitat.

Due to spatial differences in land use and therefore potential spatial differences in the types of habitat impacts, we expected to find various degrees of correlation between habitat and biological integrity in Maryland streams across the state. When we examined these relationships by river basin, we observed clear differences (Table 9). The BIBI was significantly correlated with the PHI in 12 of the 17 basins studied, most highly correlated with the habitat index in the North Branch Potomac, Chester, and Patapsco basins, but not correlated with the PHI in the Bush, Elk, Lower Potomac, Susquehanna, and Youghiogheny basins. The FIBI was significantly correlated with the PHI in fewer basins, 10 of 17, most highly correlated with the PHI in the Pocomoke, Nanticoke-Wicomico, and Middle Potomac basins, but not related to the PHI in the Choptank, Chester, Lower Potomac, Patuxent, Susquehanna, Upper Potomac, and West Chesapeake basins.

To examine the relative contribution of chemical and habitat variables in predicting biological integrity, we constructed very simple forward stepwise multiple linear regression models using a mixture of water chemistry variables (pH, acid neutralizing capacity, nitrate and sulfate concentration, conductivity, dissolved oxygen, and mean temperature) and the PHI. There were differences in the variables chosen in each region and between the BIBI and FIBI (Table 10). The PHI is a significant predictor in 5 of the 6 models, and is the first or second variable selected in 3 of those 5. The most common chemical predictors were conductivity and dissolved oxygen. These preliminary models predicted from 10 to 26 percent of the variance in IBI scores. The remaining variance may be due to other stressors, interactions among chemical and physical stressors, non-linear responses in biological responses to these stressors, and/or

natural variability and sampling error. Because the PHI appears so frequently in the regression models, clearly the physical habitat index presents an important and significant predictor of biological integrity in Maryland streams.

Table 9 – Basin specific correlations between PHI and IBI values. For this analysis, all sites with pH<5 and dissolved oxygen < 2mg/L have been removed. Values are Pearson product-moment correlation coefficients and significant coefficients ($p<0.05$) are indicated with an asterisk.

	PHI versus		
Basin	**BIBI**	**FIBI**	**N**
Bush	-0.170	+0.380*	24
Choptank	+0.360*	-0.140	44
Chester	+0.510*	+0.150	41
Elk	+0.190	+0.440*	19
Gunpowder	+0.280*	+0.270*	48
Lower Potomac	-0.050	-0.010	65
Middle Potomac	+0.190*	+0.430*	125
North Branch Potomac	+0.500*	+0.310*	59
Nanticoke-Wicomico	+0.500*	+0.500*	22
Pocomoke	+0.400*	+0.590*	27
Patapsco	+0.420*	+0.330*	152
Potomac-Washington Metro	+0.230*	+0.250*	65
Patuxent	+0.230*	+0.060	92
Susquehanna	-0.150	+0.030	33
Upper Potomac	+0.260*	-0.140	74
West Chesapeake	+0.390*	-0.240	24
Youghiogheny	+0.130	+0.250*	85
Number Significant	**12 of 17**	**10 of 17**	

We compared our revised PHI to the provisional PHI (Hall et al. 1999)(Figure 7). The two were significantly correlated ($r^2=0.23$) and the regression equation between them is represented by the equation:

$$\text{Revised PHI} = 0.2368(\text{Provisional PHI}) + 53.331.$$

Using this score, previous values can be converted and compared with new PHI values, however, this will introduce error associated with the regression equation. The root mean square error of this regression was 12.9, which represents 20% of the mean revised PHI score, which is a fairly inaccurate estimate of the revised PHI. A much better approach is to calculate the revised PHI directly from the data. Appendix A contains revised PHI values calculated for each site using the habitat data directly, along with the provisional PHI values from the 1999 analysis.

Table 10 – Multiple linear regression model results. Models were built to predict BIBI and FIBI from a suite of chemical variables (pH, acid neutralizing capacity, nitrate and sulfate concentration, conductivity, dissolved oxygen, and mean temperature) and the PHI. Variables are shown in the order with which they entered the forward stepwise models. The signs in front of each variable represent the response of each IBI to that particular predictor. (DO=dissolved oxygen, Temp=temperature, NO_3=nitrate, ANC=acid neutralizing capacity).

		Response Variables		
Site Class	**BIBI**	**R^2**	**FIBI**	**R^2**
Coastal Plain	-Conductivity, +DO, +PHI, +Temp	0.20	+DO, -ANC, +Temp, +PHI	0.09
Piedmont	-Conductivity, +PHI, -NO_3, -Temp	0.19	+PHI, -Conductivity, +Temp, +DO	0.26
Highlands	+PHI, +pH, -Conductivity, -NO_3	0.16	+pH, -Conductivity, +DO, +PHI	0.12
Overall	-Conductivity, +DO, +PHI, +pH	0.15	+PHI, +DO, +Temp, -Conductivity	0.10

This revised PHI was not validated with an independent set of data. We recommend validation with data collected since 2000. The variables collected since 2000 can be entered into the models and PHI scores calculated. The reference and degraded criteria can be applied based on land use and the number of sites scoring in the correct category can be evaluated. Ideally, high percent classification rates are sought.

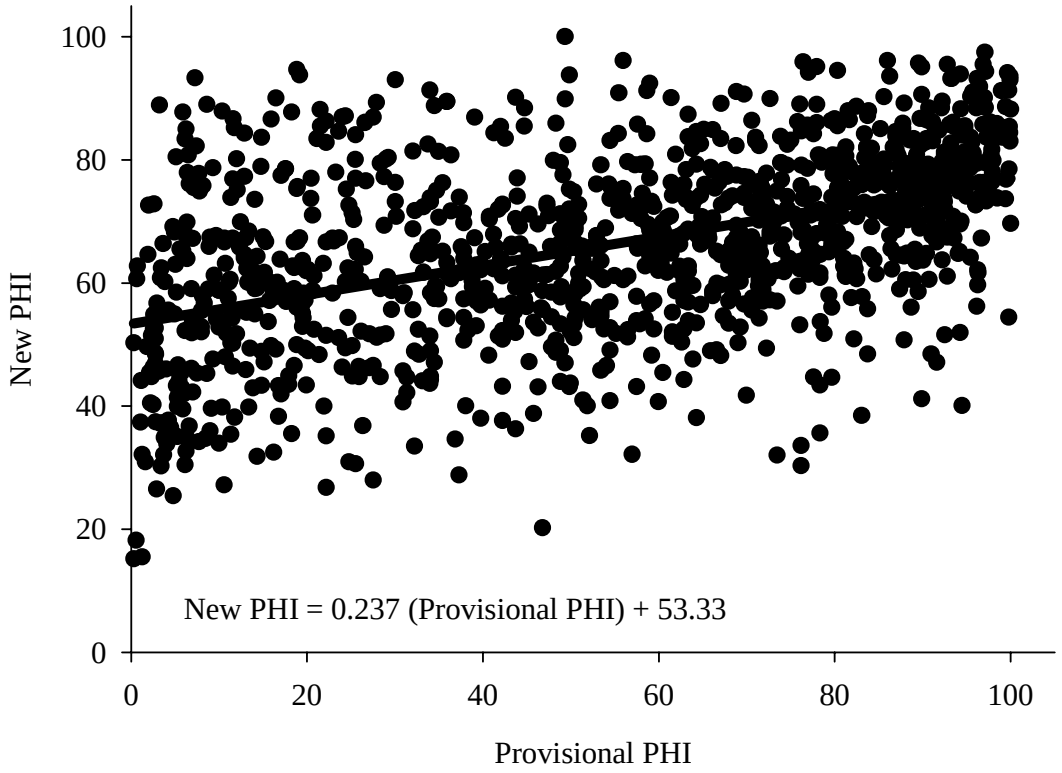

Figure 7 – The new physical habitat index plotted against the original provisional physical habitat index. A linear regression analysis was run and the formula for predicting the new PHI value based on the provisional PHI is shown. The root mean square error (RMSE) of the regression is also shown and represent the standard error of the regression estimate, or the remaining error in any estimate made of the New PHI using the provisional PHI value.

3.2 Novel Metric Investigation

We investigated the potential of using measures of bed sediment texture and relative bed stability to increase the ability to predict biological integrity in streams. We relied on a reduced dataset, consisting of 30 streams in Howard and Prince George's counties that were sampled by Tetra Tech, Inc.. Those sites only had BIBI data collected, so we cannot comment on the effectiveness with which these additional habitat metrics may help explain variation in the FIBI.

We found significant relationships between the BIBI, EPT, and percent EPT (the latter two metrics were the only two common to both the Howard and Prince George's County BIBIs) and both relative bed stability and percent bed composition metrics (Table 11). Individual metrics and the BIBI decreased significantly as percent sand and fine gravel increased and increased significantly with percent cobble and percent fines (Figure 8). In addition, the BIBI decreased with standardized relative bed stability, although clearly more data are needed to completely evaluate this relationship ($p=0.11$, Figure 8). The correlations were consistent and some were higher than those observed between the statewide PHI and IBI. We could not calculate the PHI for the county data because we lacked the necessary metrics. Therefore, it is difficult to say if these metrics would add sufficiently to the discrimination of reference and degraded sites in the three different regions or improve the correlation between the PHI and IBI values. However, sediment composition and relative bed stability measures have shown consistent relationships to biotic integrity in other studies (Borchardt and Statzner 1990, Hogg and Norriss 1991, Collier 1995, Leigh et al. 2000, Walters et al. 2000). The significant correlations between these habitat metrics and biotic metrics in this study and the promise shown in other studies suggests that the MBSS habitat assessment may benefit from their incorporation. However, the scale of the investigation here was not large enough to support their full implementation at this time. We recommend further investigation of these methods by the state to assess their potential for incorporation into habitat assessment.

Table 11 – Pearson partial-moment correlation coefficient among relative bed stability and percent substrate types and BIBI, EPT taxa, and Percent Ephemeroptera taxa. Significant correlations ($p<0.10$) are indicated in bold. (EPT = Ephemeroptera, Plecoptera, Trichoptera, RBS=relative bed stability, SRBS=standardized relative bed stability)

	RBS	**%fine**	**%sand**	**%gravel_fine**	**%cobble**
B-IBI	**-0.30**	**+0.30**	**-0.29**	**-0.35**	**+0.61**
EPT Taxa	-0.16	+0.09	**-0.35**	**-0.40**	**+0.65**
Percent Ephemeroptera	-0.14	+0.06	-0.17	**-0.45**	**+0.61**

Drawbacks to adding these new metrics to the current MBSS protocols include the additional time and costs as well as the consistency of the measurements. It took a two-member team approximately 15 additional minutes to complete a pebble count and an additional 15 minutes to set-up a laser level and take accurate slope, thalweg depth, and bankfull height measurements. The additional costs are related to the rental of the laser level (approximately $200.00 per week). Additional costs associated with training would also be incurred. Finally, the accurate selection of an appropriate bankfull height is non-trivial. While there are a number of features that can be used to select a bankfull height, accurately estimating bankfull heights can be difficult, especially in channels without distinct floodplains or bank features. Incised and/or channelized streams can be especially difficult. However, with training and practice on channels with known bankfull heights, precise measurements are possible (Gordon et al. 1992).

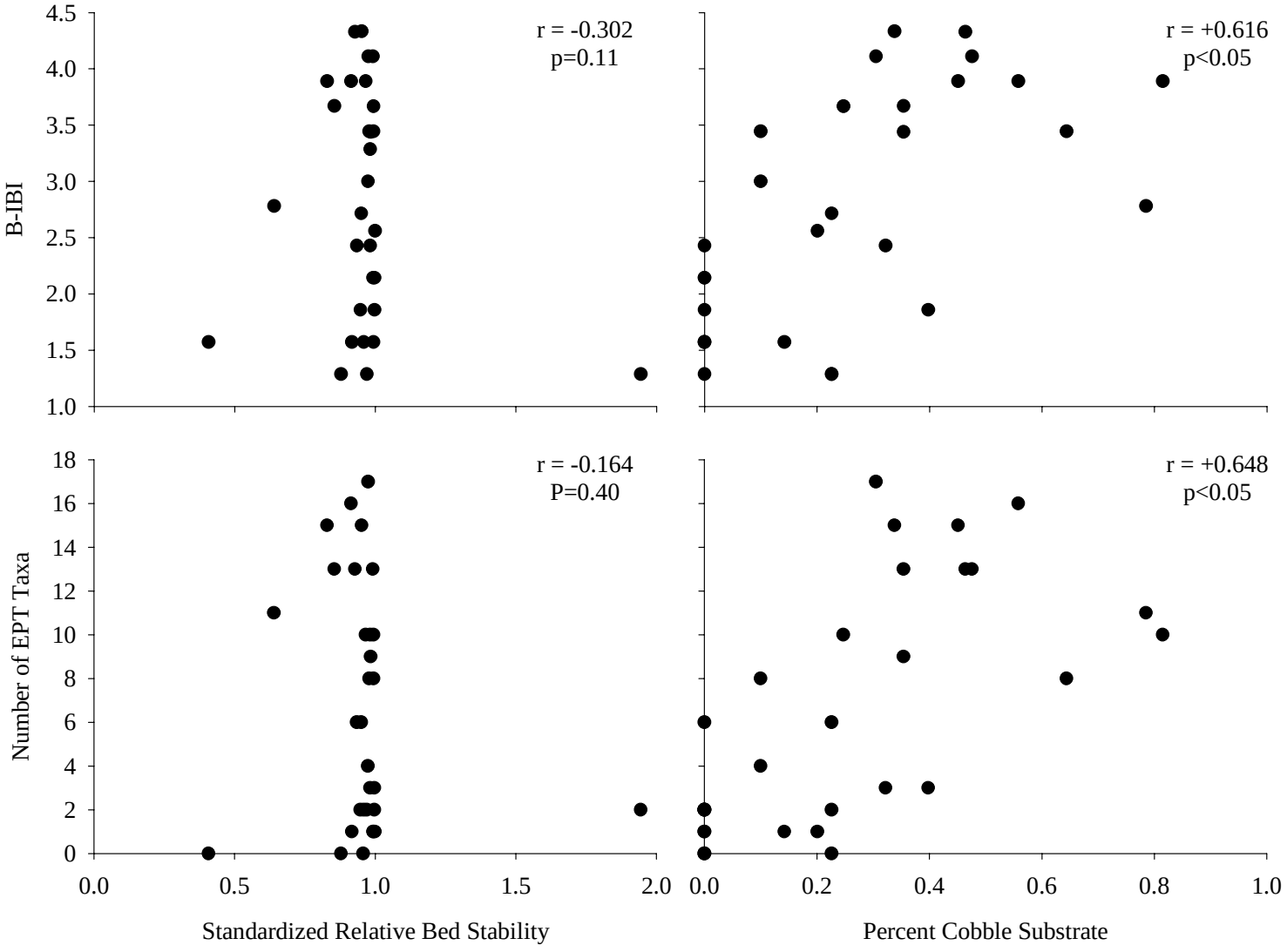

Figure 8 – Scatterplots of standardized relative bed stability and percent cobble substrate against BIBI scores and number of EPT taxa in streams from Howard and Prince George's County. Pearson correlation coefficients are shown along with their level of significance (NS = not significant).

4 SUMMARY

The following points summarize the major findings of this study:

- Streams in the state sampled as part of the 1994-2000 Maryland Biological Stream Survey were split into three main regional classes for the purposes of habitat analysis: Coastal Plain (544), Piedmont (561), and Highland (343) streams.
- Reference and degraded criteria were developed separately for each class to maximize the number of sites that could be used for building the PHI models. Criteria were based on land use/land cover strictly. Reference streams had more than 70% forest and less than 3% urban land cover in the Coastal Plain and more than 95% forest cover and less than 0.5% urban land cover in the Highland. Piedmont streams had the least restricted forested use criteria, forest cover greater than 55% and urban cover less than 2%, largely because most of the Piedmont region is heavily developed and finding an appropriate number of relatively highly forested watersheds was difficult.
- We analyzed the habitat metrics collected by DNR by looking at central tendency and variance. We transformed variables as necessary to meet the assumptions of normal variance required for correlation and regression analysis. We created a few new metrics (characterizing adjacent forested land use, habitat diversity, and substrate diversity) based on the percentage of several forest, habitat, and substrate types, respectively, observed at each site. In addition, we had to adjust the bank stability and remoteness metrics collected in 2000 so they were comparable to methods used from 1994-1997. In the future, bank stability and

remoteness values collected using the 2000 protocol will have to be converted using the formulae presented to make them consistent with the earlier measures made on 0-20 scale.

- Pool quality, instream wood, instream habitat, and epibenthic substrate were all significantly correlated with watershed area in Coastal Plain streams. Velocity/depth quality and the novel habitat diversity metric were significantly correlated with watershed area in Piedmont streams. Velocity/depth diversity, pool quality, riffle quality, instream habitat, and shading were all significantly correlated with watershed area in Highland streams. We corrected for watershed area effect by regressing area against each of these variables from reference sites. We then predicted values for each site and used the residuals from this analysis as the new response variable.
- Several metrics discriminated reference and degraded sites. We chose the set of most discriminatory metrics with the least redundancy and assembled them into a multimetric PHI for each of the three stream classes. The metrics used in the Coastal Plain PHI were: adjacent forested land, bank stability, wood, instream habitat, epibenthic substrate, shading, and remoteness. Those used for the Highlands PHI were: bank stability, epibenthic substrate, shading, riparian width, and remoteness. Those used in the Piedmont PHI were: riffle quality, bank stability, wood, instream habitat, epibenthic substrate, shading, remoteness, and embeddedness. The variables chosen represent a variety of habitat features: geomorphology, wood, visual habitat, riparian condition, and reach land cover. Other variables collected as part of the MBSS are equally important in diagnosing

habitat problems once the PHI has identified a site as degraded. In addition, landscape changes in the future may affect different aspects of physical habitat, necessitating the use of other variables for future PHI calculations.

- Because of the different reference and degraded criteria used and the different habitat metrics selected for each class, area-wide estimates of habitat condition will likely have to be restricted to each stream class. In addition, comparisons among classes will have to be done with different reference criteria in mind.
- The final PHIs were unrelated to watershed area and had an overall discrimination efficiency of 80%. The PHIs were also significantly correlated with IBIs, with the strongest correlations between the PHI and BIBI in the Coastal Plain and with the FIBI in the Piedmont region. When acid-affected and low dissolved oxygen streams were removed from the analysis, the correlations improved and were greatest between the PHI and BIBI in the Coastal Plain, and between the PHI and FIBI in the Piedmont.
- The associations between the PHI and IBI values varied across different river basins, with some showing very strong correlations [e.g North Branch of the Potomac (BIBI) and Pocomoke (FIBI)] and others showing weak or no correlation [e.g. Lower Potomac (BIBI) and Susquehanna (FIBI)]. This may be related to the varying occurrence and relative prevalence of both landscape and local stressors across the state.
- Stepwise multiple regression models to predict IBIs explained up to 26% of the variability and most models included dissolved oxygen, conductivity, and PHI.

- Overall, the new PHI removed the circularity in reference criteria present in the previous index, removed the watershed area effect on several variables, and showed comparable but relatively low correlation with biological indices.
- We assessed the potential of bed textural and relative bed stability metrics to predict biological metrics using a subset of sites from Prince George's and Howard counties. Both metrics were significantly correlated with BIBI, EPT, and percent Ephemeroptera. These data, along with other studies showing strong relationships between bed texture, bed stability, and IBI metrics suggest that they have the potential to provide valuable assessment and diagnostic information as part of future habitat assessments in Maryland.

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6 APPENDIX A

Physical Habitat Data For Each Site

Appendix A – Values of physical habitat metrics used in the PHI models along with BIBI and FIBI scores. Abbreviations are explained in Table 2. In addition, the ecoregion (ECOREG), percent watershed land cover (AG = agriculture), reference status (R=reference, NR=not-categorized, D=degraded), channelization status (0=not channelized, 1=channelized), and pH and dissolved oxygen (DO) data are shown for each site.

SITE	TACRE	REF	ECOREG	URBAN	AG	FOREST	CHANNEL	DO	pH	FORLU	SINUOUS	MAXDEPTH	WETWID	THADEP	WIDDEP	VELDEP	POOLQUAL	RIFFQUAL	EMBEDDED
AA-N-011-3	2.59	NR	C	45.07	13.64	41.29	0	6.4	6.79	0.50	0.85	88	1.4	27.3	5.2	10	13	7	99
AA-N-011-5	2.64	NR	C	42.41	12.53	45.06	0	6.9	6.95	0.50	0.95	61	1.8	30.0	5.9	10	10	13	99
AA-N-012-110-97	2.41	NR	C	9.72	37.53	52.17	0	7.8	7.56	0.25	0.92	9	1.0	4.8	20.0	4	6	7	90
AA-N-017-2	2.37	NR	C	3.47	72.95	23.29	0	6.8	5.97	0.25	0.91	24	1.3	7.8	16.1	5	7	7	99
AA-N-017-4	2.25	NR	C	4.56	77.33	18.11	0	7.4	6.12	0.25	0.89	24	0.9	8.5	10.6	5	6	6	99
AA-N-020-124-96	2.21	NR	C	11.11	16.67	70.99	0	6.5	6.15	0.25	0.87	43	1.6	20.8	7.8	3	9	2	100
AA-N-021-112-97	3.17	NR	C	1.21	51.25	47.45	0	8.4	7.41	0.25	0.93	67	3.8	25.3	15.0	13	12	11	35
AA-N-022-1	3.22	NR	C	35.73	17.61	41.86	0	6.5	6.97	0.25	0.95	52	2.5	31.3	7.8	12	11	12	50
AA-N-022-2	3.25	NR	C	35.93	17.51	42.06	0	7.3	7.08	0.25	0.91	57	2.3	24.3	9.4	13	16	11	50
AA-N-030-223-95	3.07	NR	C	11.55	15.61	72.60	0	7.7	7.5	0.25	0.97	57	3.2	24.8	12.9	11	17	7	25
AA-N-034-206-97	3.16	NR	C	17.69	6.79	75.00	0	5.6	6.47	0.25	0.89	75	3.0	57.3	5.2	12	17	17	85
AA-N-063-232-97	2.88	NR	C	9.84	14.20	72.47	0	1.2	6.88	0.25	0.57	77	2.4	22.3	10.7	6	16	7	40
AA-N-072-103-97	2.98	NR	C	6.50	50.63	41.90	0	7.5	6.71	0.25	0.97	42	3.2	16.8	19.1	10	12	14	70
AA-N-075-122-97	1.46	R	C	0.00	10.65	91.13	0	7.6	6.16	0.50	0.95	6	0.5	3.0	15.8	3	3	6	100
AA-N-082-1	2.75	NR	C	4.39	4.64	90.97	0	6.8	6.7	0.50	0.71	27	0.4	2.0	20.0	2	2	3	99
AA-N-082-2	2.71	NR	C	4.80	3.11	92.09	0	7.9	6.84	0.25	0.93	26	1.4	9.3	14.9	5	5	6	99
AA-N-091-303-97	3.87	NR	C	30.73	18.02	45.68	0	7.9	7.13	0.25	0.79	98	4.2	60.0	7.0	14	18	16	95
AA-N-091-305-97	3.87	NR	C	30.10	18.09	46.13	0	8.2	7.23	0.25	0.95	91	4.0	52.8	7.5	17	15	17	100
AA-N-091-314-97	3.90	NR	C	28.37	19.09	46.07	0	8.7	7.22	0.25	0.55	120	4.6	28.5	16.2	17	18	16	95
AA-N-091-320-97	3.87	NR	C	30.33	18.09	46.03	0	8.4	7.36	0.25	0.39	100	4.8	59.3	8.1	10	17	16	100
AA-N-092-207-97	3.21	NR	C	37.04	30.78	31.97	0	11.2	6.44	0.25	0.97	62	3.1	37.0	8.4	14	15	13	40
AA-N-092-225-97	3.25	NR	C	38.80	31.16	29.88	1	11.1	6.77	0.00	1.00	74	3.1	20.3	15.4	15	13	14	26
AA-N-102-1	2.62	NR	C	6.89	65.84	26.87	0	8.1	6.64	0.25	0.89	41	1.3	10.0	13.3	5	3	6	99
AA-N-102-2	3.11	NR	C	6.38	40.68	52.73	0	8.1	6.96	0.25	0.91	39	2.1	27.8	7.6	9	7	12	99
AA-N-104-114-95	2.49	I	C	67.00	9.78	1.76	0	5.4	6.78	0.50	0.81	52	1.1	12.0	9.4	6	11	8	80
AA-N-106-2	3.40	NR	C	3.92	32.93	63.00	0	7.7	6.96	0.50	0.87	58	2.0	23.5	8.4	13	14	8	99
AA-N-106-5	3.40	NR	C	3.94	33.08	62.84	0	8	6.7	0.50	0.92	60	1.9	27.3	7.1	11	11	12	99
AA-N-120-102-97	2.61	R	C	0.00	21.41	78.44	0	0.7	5.84	0.50	0.79	45	1.6	18.5	8.4	1	8	0	98
AA-N-126-306-95	3.72	NR	C	45.79	14.35	20.75	0	8.4	7.02	0.25	0.88	87	4.6	37.8	12.2	16	17	5	50
AA-N-135-301-97	3.69	NR	C	30.97	16.15	45.34	0	7.6	7.44	0.25	0.73	85	3.8	49.3	7.8	10	13	14	100
AA-N-152-304-97	3.89	NR	C	33.92	21.29	36.77	0	7.9	7.64	0.25	0.97	117	8.8	56.3	15.6	11	17	5	41
AA-N-152-318-97	3.89	NR	C	33.84	21.23	36.90	0	6.8	7.5	0.25	0.96	160	8.3	62.8	13.2	14	18	11	25
AA-N-160-215-97	3.49	NR	C	30.21	27.06	41.16	0	7.7	7.12	0.25	0.95	70	4.8	39.3	12.2	15	15	17	65
AA-N-162-216-97	2.84	NR	C	9.20	17.66	34.04	0	4.9	6.76	0.50	0.84	40	1.3	21.3	6.1	5	10	7	60
AA-N-164-1	2.99	NR	C	40.05	26.14	33.53	0	1.2	3.8	0.25	0.92	39	1.7	9.0	19.2	2	9	0	50
AA-N-164-2	3.01	NR	C	40.25	25.95	32.18	0	2.7	4.45	0.25	0.80	15	1.2	6.0	19.2	3	2	2	99
AA-N-170-5	2.46	NR	C	23.64	7.33	68.21	0	7.5	6.96	0.25	0.97	70	3.5	32.8	10.7	6	12	0	99

AA-N-170-6	2.38	NR	C	21.32	4.74	72.95	0	7.7	6.85	0.25	0.92	59	1.5	21.0	6.9	14	11	9	99
AA-N-172-209-95	3.23	NR	C	9.91	27.80	38.45	0	8.2	6.94	0.25	0.91	52	2.4	23.0	10.3	10	12	14	50
AA-N-176-1	2.56	I	C	55.91	23.35	20.74	1	7.22	6.4	0.25	0.93	105	3.7	20.5	17.9	7	8	7	60
AA-N-176-2	2.57	I	C	55.08	22.93	21.99	1	6.51	7.63	0.25	0.64	60	2.1	12.5	17.0	13	7	8	40
AA-N-178-1	4.01	NR	C	27.40	18.97	44.64	0	8	7.05	0.50	0.71	132	4.4	66.0	6.6	15	13	14	99
AA-N-178-2	4.01	NR	C	27.42	18.98	44.61	0	7.9	7.15	0.25	0.69	116	4.8	64.0	7.5	16	14	16	90
AA-N-180-130-95	2.53	NR	C	25.57	15.53	35.82	1	7.6	6.3	0.25	1.00	49	1.4	17.0	8.2	8	6	13	80
AA-N-186-115-96	2.39	I	C	80.41	4.90	14.29	0	8.8	6.11	0.25	0.89	17	1.6	6.8	23.7	7	12	10	95
AA-N-190-101-97	2.36	NR	C	18.27	45.97	36.54	0	8.4	6.92	0.50	0.87	52	1.9	18.3	10.4	11	11	11	35
AA-N-201-203-97	3.53	NR	C	16.72	26.86	56.21	0	8.5	7.04	0.25	0.72	35	1.9	13.3	14.0	10	10	11	60
AA-N-209-104-97	2.42	I	C	76.43	5.39	16.93	0	8.2	6.45	0.25	0.97	32	2.1	16.3	12.9	10	10	11	95
AA-N-211-101-97	2.03	I	C	0.00	89.06	10.78	0	3.6	5.67	0.00	0.92	16	0.1	2.0	2.5	2	2	1	100
AA-N-230-302-97	3.44	NR	C	26.53	19.49	41.23	0	8.7	7.11	0.25	0.80	94	3.9	28.3	13.7	13	13	10	50
AA-N-230-307-97	3.41	NR	C	28.24	17.67	40.35	0	8.7	6.74	0.25	0.87	81	4.4	40.0	10.9	14	13	10	50
AA-N-230-313-97	3.40	NR	C	28.24	17.59	40.19	0	8.3	7.12	0.25	0.84	114	4.1	36.8	11.0	15	17	10	55
AA-N-230-319-97	2.85	NR	C	9.14	18.04	34.94	0	8.2	6.11	0.25	0.91	141	3.4	49.0	7.0	15	15	10	50
AA-N-244-203-95	2.76	I	C	75.65	10.60	13.54	0	7.9	7.33	0.25	0.84	65	2.8	15.8	17.5	13	13	11	50
AA-N-258-121-97	1.95	NR	C	26.44	17.37	56.28	0	8.7	6.64	0.25	0.80	40	1.0	7.0	13.6	5	7	10	95
AA-N-262-101-96	2.92	I	C	89.90	2.64	7.57	1	8.6	6.78	0.00	0.97	12	0.6	5.3	10.5	6	1	2	100
AA-N-268-2	2.44	I	C	68.34	8.91	22.75	1	9.3	7.3	0.25	0.99	59	2.9	28.3	10.3	8	11	6	45
AA-N-268-4	2.39	I	C	66.33	9.33	24.34	0	6.95	8.33	0.25	0.93	31	2.1	23.3	9.0	5	11	6	60
AA-N-281-1	3.99	NR	C	27.88	19.48	44.48	0	8	7.07	0.25	0.56	150	4.6	72.5	6.4	18	15	15	99
AA-N-281-2	3.99	NR	C	27.73	19.47	44.69	0	8.1	7.04	0.25	0.59	137	4.5	54.8	8.2	16	14	15	99
AA-N-281-310-97	3.99	NR	C	28.35	19.17	43.31	0	8.2	7.26	0.25	0.75	83	4.3	39.3	11.0	17	17	17	95
AA-N-281-311-97	4.00	NR	C	28.03	19.11	43.79	0	7.7	7.2	0.25	0.76	122	4.3	54.3	7.8	16	17	18	100
AA-N-288-3	3.11	R	C	2.18	16.01	81.27	0	4.9	6.03	0.50	0.91	19	1.8	15.5	11.3	7	3	7	99
AA-N-307-218-97	2.58	R	C	0.36	22.35	73.01	0	4.3	6.89	0.50	0.87	29	1.0	8.3	11.5	5	5	5	45
AA-N-321-117-97	3.05	NR	C	37.82	27.76	32.02	0	8.1	7.05	0.25	0.97	108	3.8	21.3	17.6	15	16	14	40
AA-N-323-225-96	3.19	NR	C	11.71	25.36	36.55	0	8.6	6.47	0.50	0.83	60	2.5	32.0	7.7	13	13	12	85
AA-N-337-102-97	2.89	I	C	69.19	18.80	11.92	1	9.9	6.74	0.00	0.97	45	2.7	22.5	11.8	3	10	4	100
AA-S-001-226-97	3.70	NR	C	7.23	59.68	32.46	0	6.8	7	0.25	0.91	77	2.7	48.3	5.6	9	13	0	100
AA-S-008-132-97	2.65	NR	C	5.00	36.51	58.50	0	8.5	7.26	0.25	0.77	38	1.1	14.5	7.4	7	8	9	100
AA-S-024-138-97	2.81	NR	C	2.56	52.20	45.08	0	9.3	7.25	0.25	0.73	42	2.7	13.3	20.0	9	11	12	30
ABPG-103-R-2000	2.78	I	C	73.74	17.87	8.12	1	4.3	7.05	0.50	1.00	32	1.9	13.8	13.6	8	7	10	16
ABPG-108-R-2000	1.54	NR	C	0.00	32.41	67.59	1	1.1	6.25	0.50	1.00	15	2.5	11.5	21.3	2	3	2	100
ABPG-113-R-2000	3.06	NR	C	32.29	31.83	35.47	1	3.2	7.11	0.50	1.00	32	2.5	19.8	12.7	7	8	0	100
ABPG-118-R-2000	3.21	NR	C	25.72	35.98	37.97	1			0.50	1.00	65	4.8	30.5	15.8	10	12	9	68.17359413
ABPG-119-R-2000	3.14	NR	C	26.82	36.65	36.15	1	16.3	9.37	0.50	1.00	7	0.3	3.8	8.0	2	2	0	100
ABPG-302-R-2000	3.87	NR	C	27.05	31.29	37.38	0	4.5	6.23	0.50	1.00	49	4.5	28.8	15.5	3	9	0	100
ANAC-301-X-2000	4.52	NR	C	45.92	19.73	34.03	1	9	7.7	0.25	1.00	78	15.5	54.5	28.3	7	13	0	60
ANAC-302-X-2000	4.51	NR	C	45.30	20.06	34.31	1	9.9	7.36	0.25	0.99	164	16.6	44.3	37.5	18	17	16	46
ANAC-303-X-2000	4.67	NR	C	37.20	19.40	40.02	1	11.5	8.92	0.25	1.00	51	17.6	39.0	45.0	11	11	14	60
BA-N-001-211-96	3.38	I	C	60.41	17.73	21.77	1	8.1	7.4	0.25	0.96	106	5.3	41.3	12.8	10	16	2	50
BA-N-011-307-95	3.62	I	C	65.14	14.74	19.98	0	5.8	7.16	0.25	0.99	109	8.9	48.8	18.2	12	16	10	10
BA-N-019-301-95	3.26	I	C	52.56	20.89	26.38	0	8.3	7.78	0.00	0.99	71	2.2	11.8	18.5	12	12	12	30

BA-N-019-308-95	3.29	I	C	52.63	21.89	25.22	1	9.3	8.2	0.00	1.00	80	3.5	16.8	21.0	12	11	15	40
BA-N-045-223-96	4.07	I	C	76.36	11.11	11.40	1	7.5	7.22	0.00	1.00	78	17.0	35.3	48.1	12	11	12	30
BA-N-047-128-96	2.98	I	C	73.88	7.73	18.29	1	7.9	7.53	0.00	0.99	130	4.6	51.0	9.0	8	18	5	80
BA-N-057-113-96	2.79	I	C	72.42	14.52	13.23	0	1	7.15	0.25	0.93	47	1.1	8.0	13.4	3	13	0	98
BA-N-065-215-96	3.07	I	C	62.02	15.46	22.26	0	8.9	7.42	0.25	0.85	75	2.6	28.3	9.0	13	16	12	70
BC-N-012-120-96	3.46	I	C	74.94	4.74	19.87	0	8.5	7.35	0.25	1.00	74	6.0	18.8	32.0	12	11	13	35
BC-N-014-216-95	3.44	I	C	85.23	5.74	8.79	1	4.4	7.27	0.25	0.99	120	6.6	46.8	14.1	8	15	4	40
BC-N-014-217-96	3.29	I	C	88.57	3.60	7.93	1	7.8	7.46	0.00	1.00	57	5.3	18.0	29.6	13	14	15	15
BC-N-014-224-95	3.44	I	C	85.28	5.73	8.76	1	9	7.92	0.25	0.99	103	8.1	49.5	16.4	7	16	0	60
BC-N-015-202-96	3.93	I	C	77.28	8.98	12.57	0	7.6	7.06	0.25	1.00	37	14.1	29.5	47.8	8	6	16	45
BC-N-015-219-95	3.95	I	C	76.49	9.73	12.65	0	7.6	7.78	0.25	0.93	85	15.6	57.0	27.4	18	13	19	5
CA-S-001-1	1.96	NR	C	13.06	23.05	63.56	0	7.8	6.42	0.25	0.76	24	0.9	6.0	14.2	8	7	14	60
CA-S-001-2	2.36	NR	C	5.47	33.25	61.15	0	5.8	6.07	0.25	0.77		0.8	8.0	9.9	10	6	7	95
CA-S-012-119-97	2.40	R	C	1.74	14.60	83.08	0	9.1	7.43	0.25	0.87	15	1.7	7.5	22.7	10	7	10	100
CA-S-014-134-97	2.31	NR	C	29.20	24.20	46.56	0	13.3	7.16	0.25	0.89	13	1.2	5.8	20.4	7	2	7	52
CA-S-015-1	4.01	NR	C	8.25	19.13	71.85	0	8.4	6.87	0.50	0.75	104	4.8	50.8	9.5	8	15	2	100
CA-S-015-2	4.01	NR	C	8.25	19.13	71.85	0	6.5	6	0.50	1.00	58	5.9	45.3	13.0	9	14	4	100
CA-S-019-1	2.22	NR	C	13.55	9.68	76.35	0	2.02	5.8	0.25	1.00	17	46.0	6.5	707.7	5	3	3	100
CA-S-019-111-97	2.16	NR	C	13.53	10.68	74.53	0	6.8	7.01	0.50	0.91	6	0.5	3.5	15.0	2	5	6	100
CA-S-019-3	2.17	NR	C	15.15	10.82	73.56	0	1.21	5.79	0.00	0.91	10	0.5	4.0	12.6	2	2	6	100
CA-S-041-1	2.66	NR	C	8.34	27.63	63.42	0	7.8	6.73	0.25	0.84	9	0.5	3.3	15.4	2	3	4	100
CA-S-041-2	2.69	NR	C	7.71	26.43	65.29	0	5.76	6	0.25	0.91	14	0.6	3.8	15.6	3	2	6	100
CA-S-053-212-97	3.62	NR	C	10.72	15.23	73.82	0	8	7.01	0.50	0.93	110	5.5	76.0	7.2	6	16	0	100
CA-S-056-1	3.14	NR	C	5.71	10.55	83.67	0	7.5	6.36	0.00	0.83	35	0.9	5.8	16.1	9	8	6	100
CA-S-056-2	3.14	NR	C	5.63	10.53	83.77	0	3.9	5.79	0.25	0.91	13	0.8	4.0	19.5	1	1	0	100
CA-S-074-218-97	3.26	NR	C	16.90	13.74	69.48	0	7.5	7.09	0.50	0.80	30	1.8	18.0	10.1	5	10	15	100
CA-S-078-308-97	3.40	NR	C	5.42	27.55	66.43	0	8.2	7.29	0.50	0.92	84	2.5	32.8	7.5	10	14	16	100
CA-S-086-209-97	3.41	NR	C	5.27	19.53	74.93	0	7.4	7.12	0.50	0.85	23	1.7	16.0	10.5	10	10	12	100
CA-S-088-1	2.81	NR	C	7.31	10.51	82.18	0	8.2	5.95	0.25	0.95	22	0.7	3.8	18.0	3	4	6	100
CA-S-088-2	2.41	NR	C	7.85	8.79	83.35	0	6.5	6.42	0.25	0.93	11	1.1	6.5	16.5	3	4	6	100
CA-S-089-201-97	3.30	NR	C	22.56	41.28	35.71	0	10.7	7.34	0.50	0.96	99	3.6	43.0	8.3	9	16	4	100
CA-S-093-1	3.78	NR	C	6.81	15.32	76.98	0	4.4	5.92	0.25	0.91	110	3.6	49.8	7.1	13	15	0	100
CA-S-093-4	3.77	NR	C	6.63	15.34	77.15	0	4.04	6	0.50	0.89	67	3.4	38.8	8.8	16	15	16	100
CA-S-108-3	3.02	NR	C	9.88	9.65	79.89	0	7.61	6.31	0.25	0.67	27	2.0	14.5	13.7	6	8	7	100
CA-S-108-7	3.01	NR	C	9.74	9.50	80.17	1	6.43	6.34	0.50	0.87	22	1.8	14.0	12.6	6	8	7	100
CA-S-119-210-97	2.80	R	C	0.05	9.23	90.30	0	7.5	7.25	0.25	0.81	16	1.0	10.5	9.8	4	7	8	98
CA-S-119-211-97	2.83	R	C	0.05	9.08	90.55	0	7.7	7.33	0.25	0.93	28	1.4	5.0	28.0	4	8	10	98
CA-S-123-136-97	1.88	NR	C	11.26	9.90	78.36	0	6.5	6.46	0.25	0.87	11	0.8	4.5	17.2	7	7	8	32
CA-S-156-1	2.87	NR	C	11.88	10.51	77.15	0	7.9	6.31	0.25	0.83	29	2.4	14.3	16.5	7	6	8	100
CA-S-156-2	2.93	NR	C	10.49	9.96	78.88	0	8.7	6.3	0.25	0.91	34	1.5	16.8	9.0	8	12	13	100
CA-S-163-1	1.95	NR	C	3.03	10.66	85.97	0	8.5	6.61	0.25	0.88	19	0.8	7.3	11.6	2	1	3	100
CA-S-163-2	2.81	NR	C	3.25	20.18	75.72	0	7.6	6.61	0.25	0.91	38	1.8	11.3	16.0	8	8	2	100
CA-S-171-114-97	2.27	R	C	0.18	5.62	94.74	0	7.7	7.34	0.50	0.83	16	0.8	2.8	27.3	5	6	7	60
CA-S-182-1	2.53	R	C	2.63	14.70	82.67	0	7.69	6.09	0.25	0.89	27	1.0	11.5	8.3	9	8	8	50
CA-S-182-3	2.55	R	C	2.50	18.47	79.03	0	7.87	6.14	0.25	0.87	31	1.3	9.5	13.2	8	8	7	50

CA-S-186-1	3.31	NR	C	5.64	13.74	80.44	0	5.7	6.26	0.25	0.88	82	1.6	30.0	5.3	11	15	10	100
CA-S-186-2	3.34	NR	C	5.50	14.41	79.76	0	1.7	5.83	0.50	0.87	110	3.8	82.3	4.6	6	17	0	100
CA-S-187-133-97	3.28	NR	C	7.79	22.84	68.15	0	8.9	7.38	0.50	0.95	43	1.6	10.3	15.1	5	7	7	100
CA-S-197-302-97	3.98	NR	C	6.58	58.07	34.91	0	7.9	7.01	0.25	0.87	59	3.7	24.8	15.1	11	8	11	100
CA-S-198-107-97	2.57	NR	C	18.02	15.58	66.11	0	8.4	7.25	0.25	0.75	22	1.2	6.0	19.2	6	7	10	41
CA-S-200-1	2.80	NR	C	5.27	12.27	82.30	0	7.41	5.78	0.25	0.76	12	0.8	5.8	13.5	3	2	5	100
CA-S-200-2	2.79	NR	C	5.25	11.95	82.64	0	6	6.28	0.25	0.73	19	0.7	9.0	8.3	4	6	7	100
CA-S-200-213-97	2.75	NR	C	5.09	10.53	84.23	0	7.8	7.33	0.25	0.61	25	1.2	6.5	18.8	5	9	8	100
CA-S-207-1	2.72	NR	C	0.51	3.67	86.17	1	8.9	6.82	0.00	0.24	34	1.1	9.0	12.7	3	11	3	90
CA-S-209-1	1.84	NR	C	5.42	3.95	90.63	0	7.3	6.02	0.25	0.73	26	0.8	3.5	23.1	8	6	7	50
CA-S-209-2	2.11	NR	C	6.05	13.73	80.22	0	8.4	6.18	0.25	0.75	25	0.8	8.5	9.7	6	2	2	100
CE-N-021-302-96	4.45	NR	C	2.82	63.78	31.98	0	9.9	8.39	0.00	0.96	127	23.5	61.5	38.2	17	17	16	25
CE-N-029-206-96	4.01	NR	C	0.55	50.44	43.61	0	8.7	7.51	0.25	0.95	73	10.5	37.0	28.4	15	11	19	30
CE-N-033-301-96	4.56	NR	C	2.90	64.79	31.74	0	10.2	7.59	0.25	0.99	81	21.8	52.3	41.6	17	17	18	20
CE-N-040-119-96	2.72	I	C	0.00	91.13	8.68	0	8.6	6.71	0.25	0.77	102	2.5	65.8	3.8	10	11	0	99
CH-S-002-207-95	3.36	NR	C	3.72	12.61	83.58	1	7.4	6.32	0.25	1.00	92	3.7	41.0	9.0	16	15	16	15
CH-S-012-114-95	2.51	R	C	0.00	4.55	95.19	0	8.4	6.61	0.25	0.83	30	1.5	8.3	18.2	7	9	11	15
CH-S-016-225-95	3.87	NR	C	9.98	19.09	60.29	1	7.7	6.36	0.25	1.00	58	4.3	35.0	12.3	13	12	15	65
CH-S-020-322-95	4.10	NR	C	4.25	22.25	69.49	0	6.6	6.43	0.25	0.92	62	7.4	24.8	29.7	8	15	2	40
CH-S-033-314-95	4.61	NR	C	9.53	17.74	69.63	0	7.1	6.52	0.25	0.83	95	9.5	59.8	15.9	17	15	16	40
CH-S-039-203-95	3.27	NR	C	11.70	6.75	81.43	0	7.9	6.16	0.25	0.93	66	3.0	24.5	12.0	11	13	14	30
CH-S-039-224-95	3.24	NR	C	11.53	6.22	82.19	0	7.9	6.29	0.25	0.99	34	2.3	20.0	11.5	8	8	10	20
CH-S-044-303-95	4.37	NR	C	5.21	33.50	59.95	1	8.7	6.19	0.25	1.00	23	6.1	15.0	40.5	3	6	14	40
CH-S-062-313-95	4.58	NR	C	9.36	27.60	60.35	0	2.5	6.59	0.50	0.93	69	16.1	29.5	54.4	8	19	0	99
CH-S-080-222-95	4.49	NR	C	10.57	18.56	66.95	0	1.8	5.75	0.50	0.97	35	5.0	15.0	33.3	1	2	0	100
CH-S-086-217-95	3.35	NR	C	12.80	29.38	55.88	0	5.6	6.23	0.25	1.00	120	4.9	59.0	8.3	8	17	16	80
CH-S-089-205-95	3.52	NR	C	5.68	8.84	80.02	0	7.86	6.5	0.25	0.81	87	4.2	43.0	9.8	12	14	11	60
CH-S-091-131-97	3.09	NR	C	10.53	14.96	74.62	0	8.1	7.32	0.50	0.92	62	1.4	11.0	12.7	11	11	11	100
CH-S-100-108-95	2.35	NR	C	0.00	3.46	26.83	0	7.8	6.95	0.25	0.84	28	0.8	5.5	14.5	6	5	7	35
CH-S-105-119-95	2.60	R	C	0.34	2.71	86.69	0	7.91	6.21	0.25	0.53	46	1.3	20.0	6.6	11	6	8	80
CH-S-123-317-95	3.99	R	C	1.33	9.83	86.94	0	4.8	7.06	0.25	0.61	80	5.2	42.3	12.4	11	16	6	65
CH-S-139-116-95	3.22	NR	C	5.50	23.31	70.05	0	2.5	5.67	0.50	0.91	30	3.7	18.0	20.6	3	7	7	90
CH-S-156-206-95	3.28	NR	C	1.54	25.84	68.96	1	6.5	5.99	0.25	0.95	42	2.9	13.8	20.9	10	6	12	90
CH-S-177-129-95	2.95	R	C	2.96	7.18	89.68	0	1.2	5.97	0.50	0.75	47	1.6	21.5	7.2	4	16	0	100
CH-S-180-305-95	4.32	NR	C	9.84	26.08	59.91	0	7.9	6.32	0.50	0.97	77	8.8	51.8	17.0	7	15	9	60
CH-S-188-134-95	2.41	NR	C	18.40	21.42	58.88	0	7.1	6.34	0.50	0.92	28	1.0	10.3	9.8	6	10	10	100
CH-S-194-321-95	4.34	NR	C	5.45	33.86	59.29	1	8.5	7	0.25	1.00	45	6.6	24.0	27.4	7	8	17	55
CH-S-213-120-95	2.69	R	C	1.31	19.58	78.88	0	0.3	5.8	0.75	0.96	28	1.2	17.8	6.8	1	3	0	100
CH-S-217-201-95	3.51	R	C	1.61	6.77	89.82	0	7.4	6.78	0.25	0.95	110	5.5	25.0	21.8	15	17	16	35
CH-S-225-324-95	4.08	NR	C	3.96	22.07	69.82	0	6.2	5.91	0.50	0.99	34	3.3	26.8	12.1	8	12	11	99
CH-S-231-202-97	3.74	NR	C	7.72	20.80	68.79	0	9.6	7.32	0.25	0.96	58	3.9	21.8	17.9	11	12	12	20
CH-S-231-209-97	3.58	NR	C	8.63	22.72	64.78	0	7.7	6.71	0.50	0.52	63	2.5	28.0	9.0	13	13	11	40
CH-S-234-315-95	3.89	NR	C	4.40	17.17	74.84	1	9	5.67	0.25	0.99	87	4.4	37.8	11.5	13	15	15	20
CH-S-257-306-95	3.48	NR	C	5.88	14.91	74.96	1	8.3	5.65	0.25	0.96	110	3.7	44.0	8.5	16	16	16	5
CH-S-270-318-95	4.07	NR	C	6.99	31.34	60.02	1	7.5	7	0.50	0.99	17	1.1	3.8	28.0	4	4	8	40

CH-S-271-219-95	3.75	NR	C	23.17	28.78	41.93	0	6.21	6.87	0.25	0.97	56	2.5	17.5	14.3	4	10	8	90
CH-S-288-101-95	2.86	NR	C	5.91	45.35	47.15	0	7.9	6.27	0.25	0.83	67	3.3	12.3	26.5	11	6	8	30
CH-S-292-211-95	3.57	NR	C	9.06	15.10	75.83	0	3.1	6.58	0.50	0.84	59	0.7	5.8	11.3	7	12	0	80
CH-S-293-136-95	2.45	NR	C	10.29	26.51	62.33	0	6.9	4.86	0.25	0.87	12	0.4	5.5	6.4	3	1	2	100
CH-S-294-236-97	3.57	NR	C	5.11	25.46	69.33	0	9.8	8.13	0.25	0.76	79	3.6	25.8	13.8	14	14	16	20
CH-S-299-202-95	3.55	NR	C	3.91	19.26	73.09	0	7.1	5.29	0.25	1.00	145	4.1	55.5	7.3	17	17	16	25
CH-S-327-221-95	3.44	NR	C	8.81	13.68	77.50	0	6.1	5.83	0.25	0.84	75	3.1	28.5	10.8	14	16	16	25
CH-S-331-301-95	3.80	NR	C	3.92	13.38	80.88	0	1.2	7.18	0.25	0.84	80	5.6	34.3	16.3	7	16	0	100
CH-S-331-304-95	3.80	NR	C	3.95	13.10	81.14	0	6.4	6.86	0.25	1.00	97	5.3	50.5	10.4	14	13	13	80
CH-S-333-216-95	3.60	NR	C	10.88	24.34	62.23	1	5.5	6.29	0.25	1.00	100	6.2	35.3	17.5	13	14	16	80
CN-N-002-1	4.27	NR	C	2.87	50.26	46.43	1	5.1	6.74	0.25	1.00	48	7.7	37.0	20.7	10	9	12	99
CN-N-002-2	4.28	NR	C	2.79	50.59	46.18	0	6.9	7.12	0.25	0.99	81	7.4	62.3	11.8	13	16	11	99
CN-N-004-311-97	4.33	NR	C	2.72	49.76	46.92	0	6.6	6.67	0.50	1.00	104	10.3	58.0	17.7	15	14	16	98
CN-N-005-103-97	3.45	NR	C	9.78	59.77	30.15	0	9	6.94	0.25	0.85	59	3.6	44.5	8.1	16	15	15	60
CN-N-016-107-97	2.26	NR	C	0.00	61.11	39.06	1	4.3	6.18	0.50	1.00	18	1.9	9.0	21.4	2	6	6	100
CN-N-020-109-96	3.23	NR	C	0.71	59.41	39.47	0	7.6	6.64	0.50	1.00	43	2.4	23.3	10.1	8	10	4	100
CN-N-023-3	2.78	NR	C	9.18	67.53	23.12	0	3.5	6.8	0.50	0.87	22	2.0	13.5	15.0	2	2	5	99
CN-N-024-113-96	2.73	NR	C	0.00	34.14	61.01	0	7.3	6.77	0.50	0.79	39	2.5	20.0	12.4	4	8	2	85
CN-N-028-1	3.27	NR	C	1.86	76.53	21.36	1	8.5	6.35	0.25	0.95	89	4.0	29.0	13.7	12	10	8	60
CN-N-028-2	2.75	NR	C	0.48	74.39	25.08	0	6.75	6.27	0.25	1.00	23	2.3	11.5	20.2	5	4	8	95
CN-N-031-122-95	3.31	NR	C	0.08	62.16	37.66	1	9.3	6.99	0.50	0.96	50	3.7	33.8	11.0	6	11	0	100
CN-N-034-1	3.41	NR	C	1.33	70.63	27.74	0	7.2	7.15	0.25	0.93	61	3.3	26.5	12.5	6	4	9	99
CN-N-034-2	2.62	NR	C	0.41	66.14	33.05	0	6.7	7	0.25	0.96	19	1.4	10.0	13.8	3	3	6	99
CN-N-035-1	2.88	NR	C	0.17	71.95	26.79	0	5.8	6.72	0.25	0.84	37	1.0	9.5	10.5	7	9	6	99
CN-N-035-2	2.92	NR	C	0.20	67.50	31.27	0	6.1	6.69	0.50	0.87	47	1.6	22.7	7.2	8	9	7	99
CN-N-039-108-96	2.57	NR	C	0.00	48.52	50.67	1	7.7	6.51	0.00	0.88	49	3.7	29.3	12.6	7	13	5	100
CN-N-039-2	2.76	NR	C	1.30	63.30	34.93	1	6.5	6.89	0.00	1.00	42	3.2	18.8	17.2	7	10	0	99
CN-N-039-8	3.11	NR	C	1.23	60.77	37.56	1	7.6	7.41	0.25	1.00	12	2.4	6.5	36.9	5	3	7	99
CN-N-041-205-96	3.81	NR	C	0.03	61.71	38.07	0	9.5	6.87	0.50	0.85	94	4.4	40.3	10.9	15	16	16	100
CN-N-043-102-97	3.47	NR	C	0.23	60.45	39.09	1	11.5	7.1	0.00	1.00	33	0.8	19.8	3.9	5	5	7	90
CN-N-044-1	3.92	NR	C	1.43	58.74	39.05	0	5.8	6.85	0.50	0.93	64	5.4	30.5	17.6	10	16	11	60
CN-N-044-3	3.74	NR	C	1.10	56.36	41.54	0	8.5	6.85	0.50	0.97	64	4.3	36.3	11.9	14	13	13	40
CN-N-046-105-97	2.94	NR	C	0.12	43.16	56.74	1	6.3	6.35	0.25	0.97	34	2.9	19.3	14.9	4	6	6	100
CN-N-049-116-97	3.44	NR	C	0.60	56.63	42.37	0	4	6.69	0.50	0.84	92	4.9	46.0	10.5	6	18	0	60
CN-N-050-102-96	3.02	NR	C	2.18	40.84	56.32	1	9.4	6.63	0.50	0.84	36	2.6	27.5	9.4	14	11	11	50
CN-N-051-202-96	4.04	NR	C	0.02	66.18	33.63	0	9.7	6.78	0.25	0.91	98	8.3	59.3	13.9	18	15	16	30
CN-S-002-111-96	3.64	NR	C	0.77	76.12	22.44	0	9.2	6.72	0.50	0.88	130	3.7	46.8	7.9	15	16	14	95
CN-S-006-208-95	3.75	NR	C	0.48	71.55	27.89	0	7.4	6.72	0.25	0.92	58	3.4	30.0	11.2	12	12	13	50
CORS-102-R-2000	2.76	R	C	0.06	10.02	89.92	0	5.9	6.41	1.00	0.57	44	2.2	23.5	9.3	8	9	12	40
CORS-106-R-2000	2.75	NR	C	1.07	79.76	19.11	0	5.6	6.46	0.75	0.79	42	2.6	22.0	11.6	10	10	16	50
CORS-107-R-2000	3.04	NR	C	0.72	71.51	27.48	0	5.9	6.89	0.75	0.93	38	2.8	20.3	13.8	11	8	11	50
CORS-108-R-2000	3.25	NR	C	0.59	73.21	25.61	0	6.8	7.08	0.50	0.92	73	4.9	30.0	16.2	14	15	11	50
CORS-205-R-2000	3.50	NR	C	0.76	60.73	38.44	0	6.3	6.63	0.75	0.92	65	4.9	49.3	10.0	8	14	16	100
DO-S-003-202-95	3.57	NR	C	0.14	70.51	29.29	0	8.4	6.82	0.50	0.75	74	3.1	32.3	9.7	15	14	15	80
DO-S-006-101-95	3.11	NR	C	0.29	64.94	34.72	1	7.1	6.67	0.50	0.96	48	2.3	21.8	10.6	4	8	6	100

DO-S-006-115-95	3.37	NR	C	0.16	70.57	29.04	1	7.9	6.74	0.25	1.00	45	4.2	25.8	16.4	10	12	15	30
DO-S-029-103-95	3.63	NR	C	0.43	54.91	39.32	0	4.2	6.39	0.50	0.92	61	2.5	25.8	9.8	6	12	4	100
DO-S-035-111-95	3.43	NR	C	1.60	57.77	39.74	0	5.7	6.62	0.50	0.91	26	3.1	16.8	18.5	7	6	6	100
HA-N-009-105-96	2.01	NR	C	26.21	22.33	49.51	0	8.8	7.03	0.25	0.81	61	2.0	18.5	10.9	12	14	7	75
HA-N-018-103-96	2.27	NR	C	2.70	80.00	16.76	0	8.3	7.46	0.25	0.88	44	1.7	14.3	11.8	5	7	6	90
HA-N-036-206-96	3.83	NR	C	5.08	48.58	45.30	0	9.3	7.53	0.25	0.95	73	10.3	53.3	19.2	8	14	3	40
HA-N-040-307-96	4.52	NR	C	6.81	52.81	39.88	0	9	7.74	0.25	1.00	97	21.7	61.0	35.5	13	13	16	50
HA-N-052-202-96	3.42	NR	C	5.56	40.60	53.16	0	11	7.29	0.25	0.79	81	5.6	31.8	17.5	17	16	16	30
HA-N-067-111-96	3.15	NR	C	8.63	34.39	56.05	0	9	7.08	0.50	0.89	120	6.6	21.0	31.5	15	14	13	40
HA-N-068-301-96	3.92	NR	C	19.51	52.91	27.27	1	10	7.71	0.25	1.00	145	10.9	56.5	19.3	16	16	16	35
HA-N-068-308-96	3.93	NR	C	19.29	52.73	27.68	0	10	7.7	0.25	0.95	44	11.5	32.3	35.5	10	10	17	25
HA-N-086-201-96	3.29	NR	C	4.97	68.29	26.18	0	11.9	7.72	0.25	0.92	56	5.7	29.5	19.2	16	14	16	40
HA-N-092-304-96	4.49	NR	C	6.98	53.39	39.11	0	9.1	7.03	0.25	1.00	53	18.3	44.0	41.5	14	12	18	35
HA-N-099-305-96	4.12	NR	C	15.64	51.88	31.55	0	10.3	8.82	0.25	0.99	77	14.9	38.3	38.8	18	15	17	40
HO-N-001-210-95	3.51	NR	C	29.66	21.84	43.31	0	7.5	6.66	0.50	0.89	85	5.5	34.5	16.0	14	13	14	15
HO-N-018-213-95	3.44	NR	C	28.79	41.85	27.99	0	8.3	7.53	0.25	1.00	63	4.8	20.3	23.8	13	13	16	10
HO-N-019-304-96	4.08	NR	C	21.21	24.72	51.75	0	9.2	7.64	0.25	1.00	108	10.4	71.8	14.5	8	17	0	100
HO-N-022-104-97	2.63	NR	C	38.08	12.56	49.30	0	8.9	7.69	0.25	0.97	38	1.4	9.3	15.4	7	8	6	15
HO-N-026-305-95	3.69	NR	C	23.29	32.77	42.91	0	7.7	7.76	0.25	0.80	64	2.9	24.0	12.2	16	13	12	45
HO-N-038-204-97	3.04	NR	C	5.80	73.47	20.69	0	7.3	7.5	0.25	0.96	39	2.9	20.5	14.3	8	14	9	30
HO-N-039-114-97	2.67	NR	C	17.86	32.92	48.04	0	8.1	7.36	0.00	0.83	44	0.9	4.0	21.9	7	7	6	15
KE-N-018-216-95	3.26	I	C	1.41	83.38	14.99	1	5.6	6.9	0.25	0.91	89	6.3	56.3	11.2	8	16	0	100
KE-N-045-108-95	3.14	R	C	0.17	4.76	85.22	0	3.2	4.52	0.50	0.88	22	1.9	3.0	64.2	2	6	3	100
KE-N-046-226-95	4.00	NR	C	0.85	55.20	36.72	0	4.5	7.03	0.50	0.93	40	5.0	20.8	23.9	9	11	11	40
KE-N-054-114-95	2.91	NR	C	1.93	43.84	54.15	1		6.06	0.50	0.91	18	2.5	12.8	19.4	3	2	6	100
KE-N-067-213-95	3.28	NR	C	0.40	70.42	27.15	1	8	6.72	0.50	0.99	84	5.5	59.8	9.2	8	16	0	100
KE-N-096-102-95	2.55	NR	C	0.10	12.88	70.33	1	0.8	6.26	0.50	0.96	87	4.8	60.3	8.0	3	14	0	100
KE-N-128-122-95	2.94	I	C	0.63	86.18	13.41	0	6.3	6.86	0.25	0.72	44	1.6	24.0	6.5	6	4	6	30
LOCR-102-S-2000	2.61	R	C	0.17	9.93	85.19	0	5	6.98	0.50	0.96	48	2.5	18.3	13.7	8	11	10	30
LOWI-102-R-2000	2.89	NR	C	1.43	46.80	51.60	1	5.1	6.68	0.50	1.00	37	1.9	18.3	10.5	3	7	0	100
LOWI-103-R-2000	2.58	NR	C	0.00	66.69	33.31	0	4.9	6.93	0.50	0.99	29	2.5	14.8	17.1	6	10	0	100
LOWI-104-R-2000	3.52	NR	C	3.49	49.23	46.77	0	6.8	6.5	0.50	0.93	120	16.0	35.8	44.8	9	8	14	100
LOWI-113-R-2000	3.10	NR	C	0.13	42.10	57.25	1	5.4	6.23	0.25	1.00	53	4.3	38.3	11.3	6	9	0	100
LPAX-203-R-2000	3.48	NR	C	23.16	44.26	29.66	0	7.5	7.01	0.50	0.92	70	3.0	14.3	20.7	16	14	16	40
LPAX-206-R-2000	3.45	NR	C	24.94	46.25	26.06	0	6.8	7.04	0.25	0.97	98	4.4	15.3	28.9	11	15	11	42
LPAX-401-R-2000	4.97	NR	C	18.54	39.00	40.79	0	9.6	7.59	0.50	0.84	250	23.6	89.5	26.4	19	18	17	42
LPAX-408-R-2000	4.92	NR	C	18.11	41.63	38.85	0	7.6	7.22	0.25	1.00	131	20.1	91.0	22.1	19	18	17	45
MATT-033-S-2000	4.61	NR	C	9.49	17.63	70.03	0	8.6	6.5	0.75	0.77	112	8.6	51.3	16.8	17	12	13	35
MATT-104-R-2000	2.91	NR	C	6.27	17.67	75.87	0	6.8	6.45	0.25	0.91	40	1.7	12.0	14.2	6	8	6	85
MATT-105-R-2000	2.95	R	C	0.64	13.86	85.46	0	7.3	6.32	0.50	0.89	88	4.6	36.0	12.6	15	19	10	30
MATT-108-R-2000	3.08	R	C	0.50	21.46	77.99	0	7.1	6.4	0.75	0.99	82	2.2	34.0	6.5	17	17	16	35
MATT-109-R-2000	2.61	NR	C	38.38	5.93	55.69	0	6.7	6.91	0.25	0.97	54	2.9	17.3	17.0	14	11	11	40
MATT-115-R-2000	2.32	NR	C	45.13	9.00	45.88	0	5.3	6.41	0.50	0.87	87	3.7	57.3	6.5	6	19	0	45
MATT-117-R-2000	2.01	R	C	0.00	0.00	100.00	0	6.9	6.56	0.50	0.75	48	1.0	10.3	9.3	7	6	6	85
MATT-210-R-2000	3.72	NR	C	17.59	11.68	62.35	0	7	6.37	0.50	0.88	93	4.7	49.8	9.4	13	16	11	15

MATT-212-R-2000	2.95	R	C	1.40	25.84	72.47	0	6.6	6.77	0.25	0.36	64	2.4	21.5	11.2	11	16	11	40
MATT-216-R-2000	3.69	NR	C	18.72	10.48	61.92	0	7	6.37	0.25	0.68	105	3.7	41.3	9.0	15	18	11	20
MATT-305-X-2000	4.46	I	C					7.6	6.58	0.00	0.91	86	6.7	40.0	16.8	17	15	16	25
MATT-320-R-2000	4.04	NR	C	10.38	20.07	63.51	0	6.9	6.7	0.50	0.99	58	9.0	36.0	25.1	13	15	7	50
MONI-126-R-2000	3.20	NR	C	0.04	1.98	92.58	1	3.3	4.28	0.50	1.00	58	4.7	43.8	10.7	14	15	0	100
NANJ-104-R-2000	2.74	NR	C	4.81	12.46	82.62	0	6.8	5.98	0.25	0.87	37	1.8	7.0	26.1	8	9	8	25
NANJ-109-R-2000	2.46	R	C	2.53	13.31	84.16	0	2.5	5.38	0.25	0.92	20	0.5	5.3	9.5	3	6	0	100
NANJ-111-R-2000	2.46	NR	C	8.86	8.97	81.95	0	7.5	5.53	0.25	0.52	36	1.8	10.5	17.4	6	8	4	40
NANJ-112-R-2000	3.12	NR	C	0.91	18.89	80.09	1	6.7	6.33	0.75	1.01	68	2.4	37.0	6.6	12	15	6	85
NANJ-115-R-2000	2.94	R	C	1.83	4.93	77.52	0	7.8	7.42	0.50	0.99	66	3.1	13.8	22.7	14	18	11	35
NANJ-117-R-2000	2.69	R	C	1.47	20.22	78.31	0	1.2	6.8	0.50	0.99	17	0.9	9.3	10.0	2	3	0	100
NANJ-119-R-2000	2.42	R	C	0.00	3.23	88.77	0	6	5.12	0.50	0.93	37	1.9	12.5	15.0	10	10	13	30
NANJ-205-R-2000	3.56	R	C	0.97	16.26	82.10	0	5.5	6.59	0.50	0.96	113	7.8	55.0	14.1	10	19	0	95
NANJ-206-R-2000	3.42	NR	C	3.22	10.70	85.94	0	4.5	6.02	0.50	0.96	86	4.5	51.0	8.8	12	18	4	75
NANJ-308-R-2000	4.02	R	C	1.23	9.30	87.57	0	5.4	6.47	0.50	0.99	42	6.4	23.0	27.7	10	14	12	35
NANJ-331-S-2000	3.80	NR	C	4.01	13.03	81.25	0	7.2	6.15	0.50	0.99	102	4.5	37.3	12.1	15	16	7	80
NASS-108-S-2000	3.34	R	C	0.07	12.78	77.82	0	2.8	4.24	0.75	0.96	71	11.9	42.8	27.9	14	14	0	100
NASS-301-S-2000	3.98	NR	C	1.33	36.30	58.80	0	2.7	5.9	0.75	0.93	140	8.7	55.3	15.7	9	18	15	100
PAXL-294-S-2000	3.57	NR	C	5.29	24.99	69.71	0	7.4	6.7	0.75	0.91	94	4.2	29.0	14.5	15	17	14	35
PG-N-003-2	4.09	NR	C	34.28	26.16	38.59	0	6.3	6.28	0.25	0.99	112	8.2	60.0	13.6	10	15	0	98
PG-N-003-3	4.09	NR	C	34.27	26.17	38.59	0	8.1	6.27	0.25	0.93	170	7.9	90.8	8.7	16	16	10	40
PG-N-007-127-97	2.34	NR	C	33.13	9.24	58.41	1	8.7	7.03	0.00	1.00	25	1.2	6.8	18.1	2	2	0	50
PG-N-015-1	3.41	NR	C	13.86	31.92	39.10	0	5.3	6.88	0.50	0.91	68	1.9	12.3	15.3	11	11	6	40
PG-N-015-2	3.41	NR	C	13.88	31.57	39.29	1	5	7.07	0.25	0.97	41	2.1	21.5	9.9	11	17	8	40
PG-N-027-213-97	4.01	NR	C	37.44	22.49	39.22	0	9.3	7.42	0.50	0.99	87	6.4	39.5	16.1	11	16	3	100
PG-N-028-301-97	3.62	NR	C	15.42	17.44	63.51	0	7.9	6.64	0.50	0.80	83	4.8	31.0	15.4	11	10	7	65
PG-N-041-305-97	3.84	NR	C	42.17	25.73	31.05	0	6.6	7.48	0.25	0.81	159	5.1	57.5	8.8	11	18	11	90
PG-N-063-2	2.92	I	C	70.45	8.09	21.30	1	7.6	6.45	0.00	1.00	8	2.7	3.8	71.3	1	0	6	99
PG-N-063-6	3.48	I	C	64.85	12.35	22.67	0	8.2	7.07	0.00	1.00	31	4.8	14.0	34.3	10	7	13	65
PG-N-065-103-97	3.27	I	C	58.87	16.80	24.16	1	5.8	7.06	0.00	0.97	6	9.2	4.3	216.5	5	1	5	0
PG-N-068-125-97	3.22	NR	C	9.75	28.11	47.90	0	6.4	7.09	0.50	0.85	38	2.3	28.0	8.3	5	7	4	100
PG-N-069-1	2.57	NR	C	6.12	42.49	51.31	0	9.1	6.1	0.25	0.60	63	1.6	6.0	26.7	13	9	10	25
PG-N-069-2	2.53	NR	C	6.41	45.90	47.61	0	9.44	6.36	0.25	0.73	32	1.4	8.8	16.4	11	11	14	45
PG-N-071-212-97	3.14	NR	C	22.61	50.26	24.58	0	7.7	7.27	0.25	0.95	74	4.2	44.0	9.4	13	14	13	35
PG-N-081-1	3.23	NR	C	16.21	27.31	31.55	1	9.5	7.27	0.25	1.00	16	3.1	8.5	36.5	1	0	6	100
PG-N-081-2	3.25	NR	C	18.27	26.74	31.13	1	10	7.77	0.00	0.97	9	4.0	6.0	67.1	1	0	6	100
PG-N-087-115-97	2.41	NR	C	5.99	57.39	36.09	0	8	6.53	0.75	0.79	26	1.0	10.3	9.8	7	6	5	95
PG-N-087-2	2.51	NR	C	4.74	51.91	42.73	0	1.9	6.3	0.50	0.71	80	2.5	23.5	10.5	3	6	0	95
PG-N-087-4	2.41	NR	C	5.98	57.35	36.00	0	7.3	6.8	0.50	0.71	11	0.8	6.3	12.4	1	2	0	100
PG-N-097-121-97	3.55	NR	C	27.40	23.25	40.24	0	9	7.06	0.25	0.79	90	4.2	26.5	15.9	14	14	11	85
PG-N-098-320-97	3.89	NR	C	15.69	15.71	65.69	0	8.5	6.78	0.50	1.00	110	6.0	72.3	8.3	11	16	6	75
PG-N-117-329-97	4.29	NR	C	29.60	29.48	40.28	1	6.9	7.55	0.25	1.00	84	12.1	38.3	31.5	11	16	16	30
PG-N-119-1	2.66	I	C	65.18	7.09	26.62	0	6.4	7.1	0.25	1.00	39	2.1	19.3	10.9	8	2	6	35
PG-N-119-2	2.20	I	C	78.70	6.64	11.44	0	6.7	6.85	0.00	1.00	51	2.5	7.8	32.6	10	6	5	40
PG-N-125-218-97	3.70	I	C	68.36	12.04	17.44	1	7.5	7.1	0.25	1.00	64	7.1	31.8	22.3	12	16	5	65

PG-N-125-228-97	3.70	I	C	68.36	12.05	17.45	1	7.5	7.1	0.25	1.00	85	6.0	47.3	12.8	10	18	2	60
PG-N-130-327-97	4.56	NR	C	23.34	22.92	49.37	0	5.6	7.6	0.25	1.00	90	10.5	51.5	20.4	13	19	6	35
PG-N-135-231-97	3.95	NR	C	11.01	35.09	53.17	0	6.9	6.88	0.25	0.68	130	6.2	52.5	11.8	9	16	11	100
PG-N-137-1	3.65	NR	C	17.51	29.18	35.17	1	9	7.37	0.00	1.00	19	9.3	12.3	76.1	9	7	10	50
PG-N-137-2	3.66	NR	C	18.86	28.73	34.61	1	9.4	6.81	0.00	0.97	93	5.6	41.0	13.7	11	17	6	45
PG-N-141-1	4.09	NR	C	34.30	26.18	38.55	0	5.6	6.32	0.25	1.00	75	4.7	41.5	11.3	12	13	14	60
PG-N-141-2	3.74	NR	C	9.34	52.96	35.63	0	8.6	6.45	0.00	1.00	40	3.7	18.0	20.3	8	5	0	100
PG-N-141-215-97	3.74	NR	C	9.20	53.06	35.81	0	6.3	7.06	0.25	0.99	71	4.5	54.0	8.3	8	16	1	90
PG-N-141-223-97	3.71	NR	C	5.73	55.71	36.75	0	8.7	7.39	0.50	1.00	45	3.6	21.3	16.8	9	11	11	50
PG-N-152-124-97	3.45	NR	C	15.91	22.39	61.60	0	7.6	6.93	0.25	0.77	80	3.5	41.0	8.4	13	13	11	95
PG-N-155-201-97	4.00	NR	C	19.03	23.30	47.34	0	6.7	6.59	0.50	0.85	110	4.2	44.0	9.4	15	16	12	35
PG-N-163-111-97	2.46	NR	C	28.34	37.31	32.47	0	7.8	6.02	0.50	0.99	16	2.3	8.8	26.0	6	3	6	100
PG-N-171-309-97	4.48	NR	C	41.96	21.18	36.42	1	6.5	7.16	0.25	1.00	99	20.9	52.8	39.6	10	18	1	30
PG-N-190-103-97	2.82	NR	C	5.39	22.22	72.62	0	9.6	6.09	0.25	0.64	53	2.0	14.0	13.9	11	11	12	25
PG-N-194-1	3.87	NR	C	18.50	44.13	35.59	0	8	6.9	0.50	0.91	99	4.5	33.0	13.6	14	13	13	80
PG-N-194-2	3.83	NR	C	19.98	43.90	34.32	0	6.8	6.97	0.25	0.73	150	4.8	46.8	10.2	12	15	9	85
PG-N-201-330-97	4.35	NR	C	34.16	26.60	38.68	1	8.4	7.36	0.25	1.00	107	12.5	53.5	23.3	14	16	15	35
PG-N-205-2	2.19	NR	C	28.67	28.02	43.31	0	9.2	6.34	0.25	0.89	34	0.8	9.3	8.1	7	4	7	85
PG-N-205-4	3.17	NR	C	34.08	31.34	34.04	0	8.5	6.51	0.50	0.92	88	2.6	48.8	5.4	12	11	16	100
PG-N-206-1	2.97	NR	C	5.03	59.16	35.07	0	6.1	6.24	0.25	0.89	37	1.2	20.5	6.0	9	1	0	100
PG-N-206-2	2.85	NR	C	4.78	59.55	34.74	1	8.64	6.42	0.25	1.00	17	1.4	7.8	18.4	6	0	0	100
PG-N-213-113-97	3.02	NR	C	1.71	63.69	33.33	0	8.6	7.43	0.25	0.93	33	1.2	19.3	6.4	7	6	6	100
PG-N-216-135-97	3.03	NR	C	26.02	52.71	19.51	0	8.3	7.35	0.25	0.97	33	3.3	16.0	20.3	9	8	11	35
PG-N-219-1	4.28	NR	C	26.83	33.88	38.02	0	5.64	6.51	0.25	0.84	121	7.4	57.3	12.9	8	12	0	100
PG-N-219-306-97	4.26	NR	C	26.69	34.26	37.71	0	7	7.5	0.50	0.95	90	7.6	40.0	18.9	13	17	7	98
PG-N-219-324-97	4.26	NR	C	26.65	34.07	37.96	0	5.3	7.24	0.50	0.83	172	6.9	73.5	9.4	13	18	6	100
PG-N-219-5	4.28	NR	C	26.68	33.96	38.09	0	4.87	6.59	0.25	0.81	120	8.1	55.0	14.7	12	12	12	100
PG-N-232-321-97	4.39	NR	C	17.21	24.71	53.54	0	6.7	6.72	0.50	0.97	158	7.1	68.0	10.4	15	20	11	45
PG-N-239-2	2.46	NR	C	30.44	30.23	38.63	0	9.3	7.55	0.25	0.97	28	1.4	10.8	12.6	8	8	8	5
PG-N-239-3	2.47	NR	C	29.97	29.67	39.68	0	9.5	7.68	0.25	1.00	53	1.2	13.8	8.5	11	16	10	5
PG-N-246-219-97	3.70	I	C	56.26	11.97	27.23	0	7	7.29	0.25	1.00	43	6.4	21.0	30.4	8	8	6	30
PG-N-251-305-97	3.76	NR	C	40.68	20.60	33.54	1	9.4	7.41	0.25	0.99	34	5.6	20.8	27.0	10	7	6	35
PG-N-253-122-97	2.13	NR	C	17.47	17.96	59.88	0	8.4	5.88	0.50	0.93	48	1.4	20.0	7.1	10	11	11	25
PG-N-257-303-97	4.07	I	C	52.15	12.33	32.92	0	8.6	7.26	0.50	1.00	102	6.6	41.5	15.8	15	17	12	45
PG-N-257-306-97	3.98	I	C	55.38	11.51	29.96	0	9.4	7.41	0.50	1.00	106	7.2	23.5	30.5	14	17	16	35
PG-N-257-324-97	3.97	I	C	55.63	11.60	29.59	1	9.4	7.41	0.50	0.97	104	7.1	54.5	13.0	11	19	11	40
PG-N-259-1	4.03	NR	C	13.18	46.67	38.77	0	8.75	6.94	0.25	0.88	130	5.2	33.3	15.6	16	14	11	50
PG-N-259-2	4.04	NR	C	13.14	46.52	38.95	0	8.3	7.13	0.50	0.79	120	4.4	56.0	7.9	8	16	3	75
PG-N-260-1	3.06	NR	C	5.56	35.87	27.34	1	12.8	8.14	0.25	0.93	2	1.0	1.0	100.0	1	1	0	100
PG-N-260-2	2.97	NR	C	4.79	33.26	24.34	1	8.4	7.45	0.25	0.96	108	1.7	33.8	5.0	12	11	12	50
PG-N-271-9	2.28	NR	C	2.13	62.49	33.61	0	2.4	6.43	0.25	0.92	4	0.5	1.3	42.0	0	0	0	99
PG-N-274-128-97	3.05	NR	C	2.96	68.36	28.16	0	8.7	7.35	0.25	0.85	48	2.3	10.3	22.4	9	11	9	25
PG-S-007-108-97	1.30	R	C	0.00	0.00	99.90	0	8.7	5.24	0.50	0.87	30	0.5	5.3	9.5	7	9	4	67
PG-S-032-209-95	3.93	NR	C	11.71	20.12	60.17	0	3.2	5.9	0.25	0.89	98	4.4	51.5	8.6	11	14	11	60
PG-S-035-301-97	4.11	NR	C	6.08	22.76	69.83	0	6.9	7.01	0.50	0.68	127	4.7	47.5	9.9	13	13	13	100

PG-S-047-211-97	3.73	NR	C	7.34	32.72	58.27	0	6.9	6.97	0.50	0.92	107	4.3	73.5	5.9	8	14	0	100
PG-S-052-109-95	2.88	NR	C	10.51	15.91	72.93	0	6	5.96	0.25	0.83	52	2.1	19.5	10.9	12	11	13	65
PRUT-201-X-2000	3.77	I	C	56.29	14.66	27.08	1	8.2	7.61	0.25	1.00	25	7.5	18.3	41.2	6	6	11	8
PTOB-002-S-2000	3.36	NR	C	3.83	12.56	83.55	0	5.7	6.8	0.50	0.67	68	3.5	18.3	19.0	14	16	12	40
QA-N-007-217-95	4.03	NR	C	1.34	60.03	37.97	0	6.7	6.71	0.25	0.60	128	5.9	53.5	10.9	17	18	15	10
QA-N-010-107-95	1.99	NR	C	0.00	59.28	39.99	0	8.6	6.85	0.25	0.88	11	1.0	6.3	15.6	5	11	6	10
QA-N-014-204-95	3.51	NR	C	0.97	62.92	35.79	0	6.2	7.2	0.25	0.84	64	3.8	27.3	13.9	14	12	16	60
QA-N-014-219-95	3.35	NR	C	0.75	62.84	36.21	0	4.9	7.22	0.50	0.84	81	2.4	38.3	6.3	6	15	2	100
QA-N-024-209-95	3.83	NR	C	1.13	50.34	46.68	0	6.4	7.86	0.50	0.87	28	2.4	14.8	16.3	8	9	9	80
QA-N-030-128-95	2.83	NR	C	0.20	42.51	57.06	0	6.1	7.62	0.25	0.84	19	1.3	13.0	9.8	4	1	5	100
QA-N-031-202-95	3.41	NR	C	0.30	64.86	34.22	1	1.2	6.94	0.25	0.96	107	4.2	57.5	7.3	3	16	0	100
QA-N-031-203-95	3.41	NR	C	0.31	64.77	34.31	1	2.7	6.98	0.50	0.96	105	3.6	47.0	7.6	6	15	5	100
QA-N-031-225-95	3.41	NR	C	0.31	64.77	34.31	1	4.2	7.17	0.25	0.91	67	3.8	36.0	10.4	6	15	1	100
QA-N-033-301-95	4.14	NR	C	1.82	66.60	30.40	0	6.5	7.07	0.50	0.91	115	6.2	36.3	17.0	8	15	13	100
QA-N-033-304-95	4.01	NR	C	1.81	69.14	28.48	0	7.6	6.79	0.25	0.81	117	6.1	47.8	12.7	17	18	15	0
QA-N-033-309-95	4.17	NR	C	1.73	66.66	30.38	0	6.2	7.2	0.50	0.95	39	7.7	22.8	34.0	8	6	14	40
QA-N-033-310-95	4.17	NR	C	1.71	66.67	30.40	0	7.4	7.23	0.50	0.95	44	4.8	27.0	17.7	10	10	15	40
QA-N-033-311-95	4.00	NR	C	1.80	69.05	28.56	0	7.1	7.17	0.25	0.95	102	4.1	47.3	8.7	15	15	16	40
QA-N-033-313-95	3.96	NR	C	1.87	68.51	29.07	0	6.3	6.9	0.25	0.84	70	4.3	44.0	9.7	15	14	16	10
QA-N-033-314-95	4.13	NR	C	1.74	66.71	30.35	0	6.7	7.26	0.50	0.89	44	3.5	22.0	15.9	9	11	13	50
QA-N-033-317-95	4.01	NR	C	1.81	69.14	28.48	0	6.7	6.78	0.25	0.84	63	5.8	35.8	16.1	16	14	16	0
QA-N-033-318-95	4.01	NR	C	1.82	69.07	28.51	1	6.4	6.99	0.25	0.96	68	7.5	45.8	16.4	6	9	4	100
QA-N-033-321-95	4.17	NR	C	1.71	66.67	30.41	0	7.5	7.23	0.50	0.93	55	4.4	45.8	9.7	13	12	15	20
QA-N-040-1	3.62	NR	C	0.24	66.25	32.59	0	8.5	7.08	0.50	0.57	80	4.1	39.0	10.4	14	13	7	100
QA-N-040-2	3.63	NR	C	0.24	66.36	32.45	0	8.2	6.9	0.25	0.60	45	3.3	23.8	14.0	10	9	12	60
QA-N-040-206-96	3.63	NR	C	0.24	66.38	32.53	0	9.4	7.05	0.50	0.89	72	3.4	49.0	7.0	15	15	14	100
QA-N-041-109-95	3.49	NR	C	0.37	41.28	57.79	1	1.5	7.16	0.25	0.99	37	2.7	31.3	8.7	5	6	6	100
QA-N-041-113-95	2.98	NR	C	0.46	39.97	59.30	1	4.4	7.14	0.25	1.00	35	2.4	17.8	13.4	1	3	0	100
QA-N-042-116-95	3.17	I	C	5.04	82.17	12.50	1	6.9	7.44	0.25	0.97	37	4.7	18.0	26.0	8	9	6	65
QA-N-047-204-96	3.90	NR	C	1.08	64.40	34.41	1	8.1	6.59	0.25	1.00	68	6.3	47.3	13.3	16	14	14	65
QA-N-048-221-95	3.92	NR	C	0.71	68.65	30.26	0	6.3	7.7	0.50	0.95	57	4.5	30.3	15.0	7	11	8	80
QA-N-052-202-97	4.03	NR	C	0.20	54.97	44.42	1	8.5	6.6	0.00	0.99	88	9.2	60.3	15.2	16	14	16	95
QA-N-059-125-95	2.92	NR	C	5.91	40.45	53.79	1	2.1	6.54	0.50	0.93	45	0.6	5.8	10.9	5	6	6	100
QA-N-066-207-95	3.54	NR	C	0.33	62.94	35.45	0	5	7.32	0.50	0.63	57	3.7	45.3	8.2	5	15	0	100
QA-N-079-308-95	3.74	NR	C	0.49	70.51	28.31	0	7.4	7.67	0.75	0.95	75	3.7	51.3	7.3	10	14	10	90
QA-N-079-316-95	3.74	NR	C	0.36	70.74	28.22	0	7.2	7.68	0.50	0.91	85	2.7	36.5	7.3	10	15	5	100
QA-N-085-307-97	4.45	NR	C	0.50	57.42	41.80	1	6.6	6.59	0.25	1.00	44	13.7	32.5	42.1	5	8	14	80
QA-N-085-312-97	4.45	NR	C	0.50	57.45	41.78	1	6.3	6.55	0.50	1.00	60	15.6	41.5	37.5	5	7	7	95
QA-N-086-118-95	3.37	NR	C	0.78	41.58	57.09	0	6.7	6.5	0.50	0.96	35	3.4	16.3	20.6	5	6	7	100
QA-N-086-126-95	3.11	NR	C	1.26	31.40	66.61	0	1.1	6.83	0.25	0.87	29	1.8	16.8	10.4	3	3	0	100
QA-N-098-301-96	4.34	NR	C	0.52	57.77	41.40	1	9.6	6.82	0.25	1.00	93	11.6	77.5	15.0	16	14	15	90
QA-N-098-302-96	4.34	NR	C	0.52	57.72	41.46	1	12.2	6.85	0.50	0.95	88	7.7	67.0	11.5	16	15	16	25
QA-N-098-302-97	4.35	NR	C	0.51	57.79	41.40	1	6.3	6.77	0.25	0.99	64	12.5	41.3	30.4	11	13	15	70
QA-N-098-307-96	4.35	NR	C	0.51	57.86	41.32	1	10.2	6.38	0.50	0.92	103	12.1	70.0	17.3	10	15	12	40
QA-N-098-308-96	4.39	NR	C	0.51	57.06	42.11	1	10	6.83	0.50	1.00	72	12.9	55.0	23.4	16	13	17	40

QA-N-098-308-97	4.37	NR	C	0.51	57.84	41.38	1	14	6.96	0.50	1.00	65	10.7	42.0	25.4	10	11	15	50
QA-N-098-309-96	4.37	NR	C	0.49	57.68	41.54	1	13.8	6.97	0.25	1.00	66	11.2	51.5	21.7	15	15	14	35
QA-N-098-315-97	4.35	NR	C	0.51	57.81	41.37	1	6.1	6.52	0.50	1.00	49	10.5	36.5	28.7	10	10	14	60
QA-N-103-203-96	3.03	NR	C	0.09	52.10	47.44	0	9.4	6.62	0.25	0.88	58	2.9	33.8	8.5	12	15	7	35
QA-N-105-1	3.72	NR	C	0.24	60.15	39.11	1	6.8	6.74	0.00	1.00	64	3.9	40.8	9.6	6	15	0	99
QA-N-105-2	3.72	NR	C	0.24	60.30	38.96	1	4.2	6.74	0.00	1.00	71	3.5	37.0	9.5	6	10	0	99
QA-N-111-312-95	4.13	NR	C	0.97	49.95	47.92	0	6.1	7.16	0.25	0.87	43	4.0	15.8	25.2	10	10	12	50
QA-N-111-315-95	4.13	NR	C	0.98	49.96	47.91	0	8.7	7.28	0.25	0.87	84	6.4	43.5	14.8	14	14	13	60
QA-N-114-2	2.67	NR	C	0.22	84.37	15.35	0	11.5	7.93	0.25	0.99	63	1.6	7.5	21.7	8	10	6	95
QA-N-114-4	2.64	NR	C	0.23	83.36	16.34	1	1.6	6.58	0.00	0.92	37	1.0	15.5	6.3	4	2	4	99
QA-N-998-1	3.72	NR	C	0.86	54.76	44.12	0	6.95	7.14	0.25	0.95	104	4.2	34.3	12.3	14	13	12	95
QA-N-999-1	3.72	NR	C	0.87	54.80	44.08	1	7.4	7.21	0.25	0.99	64	3.9	27.3	14.3	15	12	14	60
SEAS-109-R-2000	2.86	NR	C	1.01	68.77	30.22	0	6.9	7.3	0.50	0.88	37	1.7	9.5	17.4	9	8	7	15
SEAS-111-R-2000	3.23	NR	C	0.50	74.36	25.13	0	7.7	7.21	0.25	0.51	40	2.4	21.5	11.0	8	9	13	100
SEAS-113-R-2000	2.79	NR	C	0.21	74.14	25.55	1	6	6.81	0.75	0.85	54	2.9	17.0	17.2	9	11	0	100
SEAS-116-R-2000	3.26	NR	C	0.23	74.39	25.26	0	3.7	6.89	0.50	0.99	71	3.6	32.8	11.1	11	12	14	100
SEAS-120-R-2000	2.04	I	C	0.00	95.70	4.30	0	2.6	6.26	0.75	1.00	7	0.2	1.3	18.0	2	2	0	100
SM-S-006-212-95	3.53	NR	C	3.55	34.80	60.92	0	6.5	6.42	0.50	0.81	85	3.1	34.8	9.0	15	15	15	10
SM-S-007-138-95	2.66	NR	C	27.77	12.31	59.88	0	2.2	5.27	0.25	0.91	23	13.0	6.8	192.6	2	1	6	100
SM-S-036-107-95	2.96	NR	C	0.19	37.98	61.51	0	7.4	7.31	0.25	0.99	32	1.5	9.8	15.6	8	6	10	35
SM-S-039-127-95	2.76	NR	C	1.79	61.16	37.03	0	7.3	7.24	0.25	0.89	50	2.0	22.5	8.7	13	13	8	20
SM-S-040-128-95	2.56	NR	C	8.91	23.03	67.33	0	6.5	6.55	0.25	0.83	32	1.5	7.8	19.0	8	7	7	60
SM-S-051-132-95	2.33	R	C	0.00	20.80	79.26	0	7.5	6.29	0.50	0.93	79	1.4	11.0	12.3	12	11	9	5
SM-S-090-238-97	2.63	NR	C	29.14	25.12	45.64	0	10	7.39	0.50	0.76	55	2.0	25.3	7.7	13	14	16	15
SM-S-104-126-95	2.10	NR	C	26.89	20.64	52.16	0	5	6.05	0.25	0.92	38	1.0	10.0	10.0	6	6	6	95
SM-S-111-112-95	3.31	NR	C	15.82	22.81	61.10	0	6.9	6.53	0.25	0.72	70	3.3	39.5	8.2	15	16	15	75
SM-S-125-142-97	2.35	NR	C	23.57	18.41	57.80	0	9.9	6.87	0.25	0.95	42	1.9	10.8	17.7	7	6	11	40
SM-S-166-143-97	1.96	NR	C	10.03	28.59	61.66	0	9.2	7.48	0.50	0.83	14	0.8	7.8	10.0	7	6	11	54
SM-S-199-302-95	4.04	NR	C	6.62	36.17	56.83	0	4.7	6.9	0.25	0.75	101	3.8	18.0	20.8	11	18	7	60
SM-S-209-105-95	2.77	NR	C	0.00	30.72	69.21	0	3.5	6.57	0.25	0.99	76	1.9	25.3	7.5	6	8	2	100
SM-S-214-1	2.16	NR	C	28.29	7.77	63.94	0	7.6	5.8	0.25	0.77	44	1.1	11.3	9.3	8	7	7	100
SM-S-214-2	2.63	NR	C	10.80	12.32	76.88	0	8	6.38	0.25	0.83	44	1.2	9.5	12.1	11	6	7	97
SM-S-237-103-95	2.89	NR	C	19.61	39.22	40.54	0	6.3	6.85	0.50	0.65	41	1.4	10.0	13.8	8	6	10	65
SM-S-239-310-95	4.06	NR	C	6.33	37.54	55.67	0	7.3	6.87	0.25	0.96	109	5.8	73.0	8.0	14	19	16	60
SO-S-003-111-97	3.84	NR	C	0.01	22.65	72.33	1	8	6.13	0.25	1.00	44	6.0	22.5	26.4	6	7	4	99
SO-S-004-113-97	3.58	NR	C	0.07	45.98	51.35	1	5.2	6.63	0.25	0.99	29	2.7	19.3	13.8	6	8	3	100
SO-S-005-109-95	3.69	NR	C	1.36	39.73	57.72	1	7	6.56	0.25	1.00	24	4.6	17.0	27.2	7	3	13	100
SO-S-018-1	2.94	NR	C	0.00	25.29	71.71	1	8.8	6.34	0.00	1.00	50	1.8	20.0	8.8	4	10	0	99
SO-S-018-2	3.00	NR	C	0.00	25.65	65.03	1	5.8	6	0.25	1.00	63	1.4	40.5	3.4	6	13	0	99
SO-S-019-4	3.63	NR	C	0.02	28.60	64.49	1	4	6.19	0.00	0.93	32	4.7	24.0	19.6	2	10	0	99
SO-S-020-1	2.27	NR	C	0.00	37.27	62.73	1	3.9	6.25	0.50	1.00	25	2.9	18.0	16.1	2	6	0	100
SO-S-020-2	2.35	NR	C	0.00	42.05	57.95	1	4.09	6.27	0.25	0.93	23	2.4	18.0	13.3	3	6	0	100
SO-S-021-102-97	3.11	NR	C	0.00	17.07	74.84	1	5.9	5.85	0.75	1.00	79	1.9	35.3	5.5	6	11	6	100
SO-S-021-2	2.09	NR	C	0.00	56.95	43.05	1	6.8	5.97	0.50	1.00	11	1.1	6.5	16.7	2	4	0	99
SO-S-021-3	3.38	NR	C	0.01	17.29	67.51	1	5.48	5.5	0.50	0.99	83	3.8	38.3	10.0	7	14	0	99

STCL-051-S-2000	2.37	R	C	0.13	24.80	74.93	0	5.7	6.63	0.25	0.76	42	1.4	18.3	7.8	5	10	6	40
STMA-101-R-2000	2.12	NR	C	41.49	16.79	41.73	0	3	6.73	0.50	0.99	21	0.6	5.3	11.0	1	3	0	98
STMA-104-R-2000	2.96	NR	C	3.82	14.16	81.77	0	7.2	6.63	0.25	0.68	134	2.6	16.8	15.4	12	18	9	55
STMA-108-R-2000	2.57	R	C	0.00	5.61	94.39	0	9.4	4.92	0.25	0.57	70	2.2	32.8	6.8	13	17	12	30
STMA-110-R-2000	1.88	R	C	0.00	23.73	75.85	0	6.9	6.66	0.50	0.47	50	1.5	18.5	8.2	11	13	8	30
STMA-111-R-2000	2.75	R	C	0.17	11.89	87.94	0	7.2	6.03	0.75	0.83	110	2.6	20.8	12.7	12	16	6	45
STMA-112-R-2000	2.61	NR	C	24.89	32.06	43.05	0	9.8	7.1	0.50	0.84	66	2.1	15.5	13.2	11	15	7	35
STMA-113-R-2000	2.82	NR	C	10.55	23.47	65.97	0	9.5	6.81	0.50	0.71	62	2.4	20.3	11.7	11	11	6	80
STMA-116-R-2000	2.33	R	C	0.00	23.37	76.63	0			0.50	0.97	65	4.8	30.5	15.8	10	12	9	68.17359413
STMA-202-R-2000	3.48	NR	C	5.56	20.79	73.03	0	5.2	6.04	0.50	0.84	102	4.7	66.8	7.0	9	18	0	85
STMA-306-R-2000	3.75	NR	C	7.97	22.16	69.39	0	6	6.05	0.50	0.79	74	4.6	56.0	8.3	15	18	11	80
STMA-HR1-X-2000	2.63	NR	C	43.30	16.59	39.95	1	6	6.63	0.00	0.00	52	1.4	11.3	12.0	12	11	11	30
STMA-HR2-X-2000	2.65	NR	C	23.44	18.26	58.22	1	8.4	6.5	0.00	0.00	63	2.6	42.0	6.1	7	15	0	100
STMA-JA1-X-2000	3.09	NR	C	20.48	19.32	60.16	1	6	6.95	0.00	0.00	67	2.8	35.5	7.8	10	15	9	20
STMA-JA2-X-2000	2.64	NR	C	45.68	16.04	38.27	1	8	6.86	0.00	0.00	52	1.7	18.0	9.3	7	11	13	70
STMA-JC1-X-2000	3.20	NR	C	4.54	32.08	63.27	1	8.7	7.62	0.00	0.00	70	3.5	22.3	15.8	15	15	15	40
STMA-PB1-X-2000	3.10	NR	C	10.77	15.13	73.85	1	8.7	6.87	0.00	0.00	60	3.0	23.3	12.8	15	16	14	30
STMA-USM-X-2000	2.31	NR	C	29.98	17.62	52.40	1	5.8	5.67	0.00	0.00	48	1.7	17.5	9.4	4	10	7	90
TA-N-001-206-97	3.84	NR	C	3.68	60.29	35.57	0	5.3	7.16	0.25	1.00	43	3.4	21.3	15.8	6	9	8	95
TA-N-001-210-97	3.83	NR	C	3.74	60.35	35.46	0	5.9	7.24	0.25	0.80	95	4.5	35.3	12.6	10	19	7	99
TA-N-011-106-97	2.56	NR	C	0.37	79.21	18.34	0	8.2	6.7	0.25	0.95	36	1.3	11.0	12.0	6	7	7	80
TA-N-015-1	3.01	I	C	6.65	78.50	12.92	0	6.4	6.99	0.50	0.77	74	2.4	28.0	8.7	10	16	5	99
TA-N-015-5	2.96	I	C	7.58	79.78	10.43	0	6.45	7.34	0.25	0.88	76	2.8	22.5	12.2	11	10	6	99
TA-N-017-104-96	3.23	NR	C	2.32	74.84	22.37	0	9.6	6.29	0.25	0.83	51	3.3	29.0	11.4	14	14	15	100
TA-N-035-105-96	3.26	NR	C	6.03	64.29	29.46	0	9.2	6.38	0.50	0.91	44	3.5	24.5	14.3	9	11	9	95
TA-N-041-201-97	3.69	NR	C	3.16	68.44	27.96	0	7.4	7.18	0.25	0.91	77	3.5	32.3	10.9	13	15	13	80
TA-N-042-104-95	2.73	NR	C	0.13	78.87	21.30	0	7.9	6.88	0.75	0.92	23	1.7	10.8	15.6	6	6	11	60
TA-N-048-3	2.83	NR	C	1.99	61.91	35.85	0	5.8	6.69	0.25	0.87	31	1.8	20.8	8.7	6	10	0	99
TA-N-048-4	2.45	NR	C	0.61	63.92	35.47	0	5.8	6.78	0.50	0.95	25	0.9	13.3	6.6	4	3	1	99
TA-N-053-201-96	2.78	I	C	0.00	85.60	12.25	1	8.4	6.9	0.50	0.96	18	2.1	17.0	12.1	5	10	6	100
TA-N-053-203-97	2.83	NR	C	0.15	82.48	15.66	0	6.1	7.29	0.50	0.95	25	1.6	8.5	18.2	5	7	8	80
TA-N-056-113-97	3.02	NR	C	1.67	68.54	27.11	0	6	6.26	0.50	0.91	50	1.9	31.3	5.9	12	13	15	75
TA-N-062-1	3.64	NR	C	5.12	70.97	22.75	0	7.6	6.57	0.25	0.93	91	3.9	53.5	7.3	9	16	0	90
TA-N-062-3	3.64	NR	C	5.13	71.00	22.70	0	7.7	6.58	0.25	0.73	130	5.5	39.5	14.0	12	17	8	90
TA-N-999-108-97	2.44	NR	C	0.50	36.41	62.41	0	3.6	7.2	0.50	0.88	31	0.5	4.0	13.1	3	6	6	100
UPCK-101-R-2000	2.14	I	C	0.00	87.36	12.64	1	6.9	6.41	0.50	1.00	58	3.0	24.5	12.2	12	10	13	100
UPCK-102-R-2000	2.53	NR	C	0.00	49.01	50.99	1	5.2	5.85	0.50	1.00	46	2.9	34.8	8.3	8	10	0	100
UPCK-108-R-2000	2.95	I	C	5.20	83.52	10.88	0	6.5	6.87	0.75	0.91	61	2.3	25.5	8.8	12	11	12	90
UPCK-109-R-2000	3.11	NR	C	0.74	59.91	39.13	1	8.3	7.12	0.75	1.00	18	3.6	10.5	33.8	7	7	14	100
UPCK-113-S-2000	2.73	NR	C	0.00	34.00	61.00	0	5.2	5.65	0.50	0.83	55	2.5	39.8	6.4	14	14	7	40
UPCK-115-R-2000	2.79	NR	C	6.83	25.62	67.55	1	3.3	5.85	0.25	0.97	89	3.4	45.3	7.5	10	14	16	100
UPCK-118-R-2000	2.71	NR	C	4.11	48.62	47.27	1	7.7	6.16	0.75	0.93	68	3.5	22.5	15.4	8	12	10	100
UPCK-119-R-2000	2.78	NR	C	11.30	44.87	43.31	0	7.8	5.88	0.75	0.95	58	2.4	28.0	8.4	13	15	12	65
UPCK-122-R-2000	2.77	NR	C	0.16	78.21	21.63	0	0.8	5.95	1.00	0.92	17	2.4	13.5	17.6	3	4	6	100
UPCK-130-R-2000	1.95	NR	C	0.72	49.64	49.64	1	0.8	6.32	0.75	0.68	18	1.1	10.0	11.0	2	1	0	100

UPCK-132-R-2000	2.86	NR	C	0.26	50.84	48.90	0	7.7	6.42	0.25	0.73	56	2.0	23.8	8.4	12	13	11	50
UPCK-203-R-2000	3.42	NR	C	1.01	54.01	44.53	0	6.9	7.05	0.75	0.83	93	4.0	40.8	9.9	14	15	14	30
UPCK-204-R-2000	3.64	NR	C	1.13	53.47	44.63	0	7.6	6.7	0.75	1.00	83	5.4	31.8	16.9	14	15	16	15
UPCK-229-R-2000	3.93	NR	C	1.44	59.03	38.78	0	5.6	7.44	0.50	0.76	65	4.8	30.5	15.8	10	12	9	68.17359413
UPCK-311-R-2000	3.83	NR	C	0.39	59.55	39.75	1	6.3	7.23	0.75	1.00	74	7.3	36.3	20.2	13	16	14	100
WCHE-086-S-2000	3.40	NR	C	5.18	20.11	74.61	0	6.4	7.11	0.50	0.99	54	3.7	28.5	12.9	11	9	13	100
WILL-102-C-2000	2.75	NR	C	0.00	1.41	98.59	1	7.5	8.03	0.50	0.92	44	2.6	26.0	10.0	9	16	20	15
WILL-301-C-2000	3.62	NR	C	13.25	2.89	82.84	1	9.3	8.03	0.25	0.65	98	8.3	45.0	18.5	19	18	19	20
WIRH-108-R-2000	3.24	NR	C	0.13	66.44	33.25	0	6.2	5.93	0.50	0.99	29	30.5	20.3	150.6	5	6	10	100
WIRH-109-R-2000	2.81	NR	C	0.05	6.12	93.78	1	0.3	4.77	1.00	1.00	31	1.8	21.0	8.6	4	7	0	100
WIRH-111-R-2000	3.18	R	C	0.02	13.16	86.73	0	1.9	5.96	0.75	0.95	38	9.1	27.3	33.2	5	10	0	100
WIRH-114-R-2000	2.45	NR	C	0.00	36.94	59.23	1	4.1	5.03	0.50	1.00	38	2.3	28.0	8.3	4	8	0	100
WIRH-215-R-2000	3.62	NR	C	21.54	36.64	40.66	0	5.1	6.6	0.75	0.97	80	19.8	42.3	46.9	17	14	0	100
WIRH-220-S-2000	4.12	NR	C	6.87	41.15	51.41	0	7.5	5.9	0.50	1.00	157	12.1	94.5	12.8	18	17	15	100
WI-S-005-1	3.17	NR	C	0.02	54.00	45.43	1	5.2	6.67	0.25	1.00	18	0.9	7.3	11.7	1	1	1	99
WI-S-016-211-95	4.13	NR	C	9.07	44.04	42.79	1	6.4	6.6	0.00	0.97	87	12.3	67.0	18.4	6	13	0	100
WI-S-017-119-95	3.00	NR	C	19.94	30.45	23.55	1	6.9	6.14	0.25	0.99	58	2.4	25.3	9.6	6	6	10	100
WI-S-019-208-97	3.62	NR	C	0.01	71.86	27.76	1	7.8	6.95	0.50	0.95	34	2.2	21.3	10.5	10	10	11	100
WI-S-019-217-97	3.66	NR	C	0.05	71.40	28.15	1	9.6	6.81	0.00	1.00	38	5.5	22.5	24.3	8	10	11	100
WI-S-023-112-95	3.32	NR	C	2.71	48.79	48.32	0	7	6.52	0.25	0.83	51	2.0	22.8	8.7	10	9	13	60
WI-S-034-201-95	3.79	NR	C	0.36	68.94	29.83	1	7.5	6.42	0.50	0.92	74	3.1	28.3	11.0	17	16	17	30
WI-S-037-210-97	4.07	NR	C	4.16	55.60	39.84	1	9	6.59	0.00	1.00	70	8.4	42.5	19.7	6	11	11	100
WI-S-041-214-97	3.20	NR	C	1.41	50.84	47.44	1	1	6.99	0.50	0.99	55	2.0	14.8	13.7	4	15	0	100
WI-S-054-1	3.92	NR	C	4.91	48.76	46.08	1	5.6	6.34	0.50	1.00	46	5.4	35.8	15.0	9	10	11	99
WI-S-054-2	3.92	NR	C	4.93	48.74	46.09	1	6.1	6.4	0.50	1.00	37	5.3	28.5	18.5	7	6	6	99
WI-S-055-303-97	4.86	NR	C	1.41	50.29	47.57	1	6.4	6.8	0.25	1.00	200	14.8	84.3	17.6	8	16	16	100
WI-S-057-3	4.13	NR	C	1.76	42.98	53.96	0	4.2	6.64	0.25	0.77	50	2.8	25.8	11.0	10	11	13	99
WI-S-057-309-97	4.13	NR	C	1.76	42.98	53.96	0	5.8	6.62	0.50	0.71	67	4.7	39.3	11.9	10	14	10	100
WI-S-057-311-97	4.14	NR	C	1.74	43.35	53.63	0	6.9	6.64	0.50	0.95	73	5.9	42.3	13.8	10	15	16	100
WI-S-057-319-97	4.13	NR	C	1.75	43.01	53.94	0	6.8	6.65	0.50	0.67	79	5.4	68.8	7.9	10	16	16	100
WI-S-059-106-97	3.10	NR	C	0.03	51.50	47.95	1	6.9	6.2	0.25	0.93	10	1.5	6.8	22.6	2	2	3	100
WI-S-063-220-95	4.01	NR	C	8.01	33.90	56.48	0	6.7	6.56	0.50	0.91	125	6.8	66.3	10.2	17	14	16	100
WI-S-067-207-97	3.96	NR	C	4.47	52.14	43.15	1	7.8	6.59	0.50	1.00	55	5.6	29.3	19.0	10	13	11	100
WI-S-067-219-97	4.02	NR	C	3.99	54.59	41.12	1	7.7	6.56	0.50	1.00	79	7.3	37.3	19.5	11	15	16	100
WI-S-073-114-95	3.02	NR	C	8.61	55.48	35.74	0	6.3	6.48	0.00	0.93	22	1.4	11.0	13.0	2	1	4	100
WI-S-074-103-97	2.84	NR	C	0.00	67.89	31.07	1	8.7	6.65	0.50	1.00	54	6.5	32.5	19.8	12	10	13	100
WI-S-075-206-95	3.92	NR	C	2.99	32.00	63.36	0	5.7	6.65	0.75	0.97	64	5.9	28.3	21.0	16	16	16	100
WI-S-082-113-95	3.27	NR	C	0.06	67.63	31.80	0	8.4	6.64	0.50	0.89	32	1.7	17.0	9.9	7	7	8	100
WI-S-084-107-97	3.16	NR	C	5.23	49.19	44.38	1	3.4	5.27	0.25	1.00	32	1.2	18.3	6.6	2	2	0	100
WI-S-085-102-95	2.67	NR	C	0.07	42.57	56.60	1	4	5.63	0.50	0.96	35	2.2	27.8	7.7	3	7	0	100
WI-S-999-114-97	3.28	NR	C	0.09	51.43	48.31	1	7.1	6.54	0.25	0.97	43	2.3	18.8	12.3	5	6	8	100
WO-S-003-306-97	4.55	NR	C	0.20	51.03	47.59	1	5.9	6.89	0.25	1.00	61	11.6	32.0	36.3	6	11	11	100
WO-S-003-308-97	4.56	NR	C	0.20	50.92	47.72	1	6	6.88	0.25	1.00	44	11.6	27.3	42.6	5	6	6	100
WO-S-003-312-97	4.52	NR	C	0.21	51.09	47.47	1	5.7	6.71	0.50	1.00	110	11.2	46.3	24.3	8	11	13	100
WO-S-003-314-97	4.57	NR	C	0.28	50.65	47.93	1	6.3	6.92	0.25	1.00	34	10.3	23.3	44.4	5	8	13	100

WO-S-003-320-97	4.53	NR	C	0.20	51.00	47.60	1	5.5	6.95	0.25	1.00	44	11.3	25.3	44.6	5	9	11	100
WO-S-004-110-97	3.31	NR	C	0.03	54.24	45.56	0	3.5	6.58	0.50	0.88	72	3.7	35.5	10.4	9	15	8	100
WO-S-005-315-97	4.71	NR	C	1.46	51.96	45.61	1	6.9	6.93	0.50	1.00	84	12.5	52.5	23.8	7	12	16	100
WO-S-008-1	4.36	NR	C	0.28	45.37	52.84	1	5.6	6.54	0.25	1.00	57	10.5	43.3	24.3	5	7	0	99
WO-S-008-3	4.36	NR	C	0.28	45.43	52.78	1	5.8	6.58	0.25	1.00	63	9.1	47.0	19.4	4	6	0	99
WO-S-008-305-97	4.51	NR	C	0.21	51.35	47.22	1	7.1	6.81	0.25	1.00	34	9.1	21.5	42.4	8	7	11	100
WO-S-019-318-97	4.51	NR	C	0.21	51.27	47.30	1	6	6.74	0.25	1.00	117	11.0	61.5	17.8	10	14	16	100
WO-S-038-108-97	3.55	R	C	0.03	8.17	83.23	0	1.5	4.4	0.50	0.83	68	3.1	41.3	7.6	2	18	0	100
WO-S-040-5	2.64	NR	C	0.00	30.78	65.69	1	1.5	6.61	0.25	0.96	23	0.9	7.5	11.4	1	2	0	99
WO-S-061-206-97	3.91	NR	C	0.04	67.32	32.11	1	7.9	6.43	0.25	1.00	85	7.6	61.8	12.2	6	15	0	100
WYER-118-S-2000	3.38	NR	C	0.86	43.20	55.39	0	6.8	6.74	0.50	0.99	56	4.6	36.3	12.8	17	16	16	95
ZEKI-012-S-2000	2.52	R	C	0.00	7.05	92.95	0	5.2	8.07	0.25	0.83	20	1.9	13.3	14.3	10	10	6	45
AL-A-007-304-96	3.90	NR	H	0.45	17.72	80.36	0	7.7	7.44	0.25	0.99	36	5.9	25.0	23.4	9	9	5	100
AL-A-020-228-95	3.13	R	H	0.00	1.71	98.03	0	1.7	5.9	0.50	0.87	20	0.0	0.0		2	1	0	90
AL-A-027-205-95	3.34	NR	H	0.00	2.83	93.42	0	8.2	6.84	0.50	0.89	38	1.8	8.8	20.9	8	8	7	40
AL-A-027-209-95	3.39	NR	H	0.00	2.55	94.12	0	7.6	6.7	0.50	0.95	36	2.2	8.8	24.9	7	14	7	100
AL-A-033-314-95	3.96	NR	H	0.00	5.70	86.50	0	8.2	6.24	0.50	0.96	76	6.2	37.3	16.6	17	13	19	10
AL-A-054-320-96	4.59	NR	H	3.34	5.39	82.26	1	8.1	6.97	0.25	1.00	64	8.9	48.3	18.3	16	16	5	70
AL-A-143-226-95	3.14	NR	H	0.00	21.22	78.72	0	9.2	7.07	0.50	0.87	58	3.0	15.3	19.8	11	11	13	100
AL-A-146-301-95	4.11	NR	H	0.00	4.35	89.55	0	9.3		0.25	1.00	65	7.5	27.5	27.4	11	16	16	40
AL-A-167-230-95	3.31	R	H	0.00	1.08	96.90	0	5.7	6.44	0.25	0.99	19	2.8	5.0	56.5	7	3	7	25
AL-A-171-206-95	2.57	R	H	0.00	1.09	96.20	0	6.4	6.74	0.25	1.00	8	1.1	5.0	22.0	4	2	3	100
AL-A-177-232-95	3.54	R	H	0.00	1.06	99.01	0	3.4	6.41	0.25	0.92	56	2.6	8.5	30.0	11	13	6	30
AL-A-187-218-96	2.96	R	H	0.00	0.44	99.13	0	7.5	6.43	0.25	0.89	50	1.5	18.5	8.1	11	16	7	25
AL-A-199-122-95	2.32	R	H	0.00	0.66	99.51	0	8.4	6.08	0.25	0.80	12	2.4	5.0	48.5	6	6	8	70
AL-A-202-121-96	3.10	NR	H	0.00	1.67	91.95	0	8.2	7.39	0.25	0.99	40	3.3	23.5	13.9	10	11	16	40
AL-A-207-307-95	4.12	NR	H	0.00	4.27	89.73	0	7.4	7.32	0.25	0.95	83	12.1	53.3	22.8	8	18	0	100
AL-A-215-112-95	2.33	R	H	0.00	0.00	100.30	0	6.8	6.55	0.25	0.79	29	2.4	11.0	21.4	8	10	11	100
AL-A-221-107-96	3.08	NR	H	0.08	6.17	81.00	0	9.3	3.95	0.25	0.92	48	2.6	12.3	20.8	10	11	13	60
AL-A-229-109-96	2.76	R	H	0.00	1.21	98.44	0	8.1	4.72	0.25	0.97	26	3.4	11.3	30.0	8	9	9	60
AL-A-232-313-96	3.28	NR	H	5.41	12.19	81.50	1	7.4	7.21	0.25	0.97	59	4.4	36.8	11.8	13	16	14	60
AL-A-244-227-95	2.90	R	H	0.00	4.07	95.61	0	3.8	6.61	0.25	0.96	32	1.4	6.3	21.6	3	7	6	0
AL-A-248-213-95	3.40	NR	H	0.01	9.70	90.26	0	7.9	7.33	0.50	0.85	40	2.2	23.3	9.4	6	10	11	100
AL-A-248-234-95	3.50	NR	H	0.01	8.51	91.45	0	8.4	6.82	0.25	0.93	70	5.3	35.0	15.1	16	16	15	100
AL-A-254-326-96	3.81	NR	H	4.04	8.44	83.75	1	10.1	7.73	0.00	1.00	164	7.9	59.3	13.3	18	20	20	60
AL-A-255-108-95	2.31	R	H	0.00	0.17	99.98	0	6.5	6.54	0.50	0.95	19	0.2	2.3	8.9	6	4	6	100
AL-A-268-221-96	2.49	NR	H	0.00	6.80	92.56	0	6	6.9	0.50	0.95	36	1.3	9.8	12.8	8	8	7	100
AL-A-276-323-96	4.64	NR	H	0.17	16.91	79.58	0	8.7	7.64	0.25	1.00	46	15.7	30.0	52.2	7	12	15	25
AL-A-294-325-96	3.73	NR	H	0.02	9.02	89.67	0	8.1	6.8	0.25	0.91	54	3.5	30.0	11.5	14	16	8	45
AL-A-296-226-96	3.13	NR	H	0.00	7.26	92.67	0	9	4.76	0.25	0.87	52	3.4	12.0	28.1	13	16	5	75
AL-A-318-126-95	2.60	NR	H	0.00	7.25	92.43	0	8.1	6.19	0.25	0.73	30	2.1	14.0	14.8	9	10	14	15
AL-A-343-307-96	4.64	NR	H	2.97	5.72	82.38	1	8.7	6.71	0.25	1.00	165	18.3	38.8	47.2	11	17	15	80
AL-A-343-330-96	4.65	NR	H	2.96	5.74	82.40	1	8.7	6.71	0.25	0.99	106	9.2	56.8	16.2	16	18	19	55
AL-A-380-303-96	3.56	NR	H	0.00	8.11	91.56	0	8.7	7.13	0.25	0.97	46	4.2	18.5	22.6	10	14	13	65
AL-A-392-316-95	3.53	NR	H	3.43	28.96	67.59	1	8.3	7.12	0.50	0.96	24	3.0	13.3	22.3	6	8	16	25

AL-A-392-318-95	3.53	NR	H	3.62	28.74	67.64	1	5.6	6.76	0.50	0.97	60	3.3	20.3	16.0	12	9	10	15
AL-A-413-308-96	3.78	NR	H	3.93	8.83	83.39	1	9.4	7.69	0.75	0.99	94	6.5	47.0	13.7	19	17	2	65
AL-A-419-106-95	2.16	NR	H	7.50	11.48	80.59	0	6.8	6.55	0.50	0.72	14	0.6	5.0	11.0	6	3	6	40
AL-A-425-314-96	3.54	NR	H	2.76	12.28	84.62	1	8.1	7.46	0.25	0.91	84	2.7	31.0	8.7	14	15	7	55
AL-A-441-309-95	3.64	R	H	0.00	0.89	99.00	0	11.2	6.54	0.25	0.91	46	2.3	13.3	17.0	12	16	6	20
AL-A-465-311-96	3.80	NR	H	0.03	10.78	89.03	0	8.6	7.21	0.25	0.93	42	4.5	20.5	21.8	10	12	16	100
AL-A-465-324-96	3.75	NR	H	0.04	10.66	89.16	0	7.8	6.96	0.25	0.99	34	5.4	22.0	24.4	8	10	10	100
AL-A-480-205-96	3.04	NR	H	0.00	19.10	80.54	0	8.9	6.75	0.25	0.92	82	1.9	14.3	13.3	11	14	14	35
AL-A-485-220-96	2.90	R	H	0.50	0.50	96.88	0	7.9	7.56	0.25	0.91	49	2.2	9.5	23.2	11	15	10	45
AL-A-485-227-96	3.05	NR	H	10.85	5.25	82.38	1	7.2	7.62	0.25	0.99	20	2.2	12.8	17.3	7	7	12	40
AL-A-500-103-95	2.20	R	H	0.00	0.00	99.76	0	6.1	6.08	0.25	0.85	20	0.8	4.5	16.7	6	3	6	20
AL-A-524-211-95	3.29	NR	H	3.28	8.98	87.78	0	7.6	7.19	0.50	0.99	20	1.5	7.3	20.7	6	6	6	20
AL-A-550-204-96	3.21	NR	H	0.00	12.02	87.49	1	8.3	7.32	0.50	0.93	42	1.9	16.3	11.8	8	10	8	100
AL-A-553-306-95	4.28	NR	H	0.02	11.48	88.00	0	9.2	8.01	0.25	0.96	50	9.1	26.8	33.8	12	10	19	0
AL-A-567-126-96	2.21	NR	H	0.62	10.56	86.96	0	7.5	4.85	0.25	0.80	58	1.2	13.5	8.5	11	15	4	75
AL-A-585-122-96	2.58	NR	H	1.31	51.17	45.17	0	8.2	8.19	0.25	0.93	38	2.6	19.5	13.5	9	12	10	60
AL-A-626-216-96	2.70	R	H	0.00	0.00	100.60	0	8.5	7.72	0.50	0.97	90	3.2	12.8	24.9	14	15	12	100
AL-A-635-113-95	1.91	R	H	0.00	0.83	100.40	0	4.8	5.81	0.50	0.97	12	0.6	4.3	14.1	2	1	1	100
AL-A-646-207-95	2.93	R	H	0.04	0.28	99.50	0	2.7	6.58	0.25	0.83	9	0.8	2.0	40.0	2	1	0	50
AL-A-688-319-95	3.99	NR	H	0.00	5.33	87.36	0	7.7	6.56	0.50	0.99	70	8.0	41.5	19.2	12	12	17	10
AL-A-706-228-96	2.98	R	H	0.00	2.08	97.82	0	7.5	6.79	0.25	0.95	32	2.7	19.5	13.6	6	12	11	45
AL-A-709-303-95	3.80	NR	H	0.01	7.25	83.51	0	8.4	6.82	0.50	0.96	54	7.2	22.8	31.4	12	11	14	100
AL-A-726-115-96	2.10	R	H	0.00	0.00	100.80	0	7.7	6.57	0.25	0.92	38	1.4	14.0	9.6	5	6	6	45
AL-A-731-313-95	3.52	NR	H	0.03	32.09	67.78	0	9	7.6	0.25	0.99	42	4.2	24.0	17.3	9	10	16	20
AL-A-999-117-96	2.64	R	H	0.00	0.68	98.18	0	8.9	7.9	0.25	0.96	16	1.3	6.3	20.4	8	7	7	35
ANTI-101-C-2000	3.15	NR	H	0.00	12.29	87.71	0	8	7.35	0.25	1.00	46	3.4	17.0	20.0	10	10	17	10
CASS-101-R-2000	2.57	NR	H	1.77	40.39	57.25	0	7.1	7.59	0.50	0.73	54	1.1	29.3	3.7	14	16	8	65
CASS-102-R-2000	2.68	NR	H	0.07	16.70	83.10	0	8.6	5.02	0.25	0.81	26	3.9	7.3	53.4	7	6	11	15
CASS-104-R-2000	3.70	NR	H	0.01	21.36	78.28	0	8.6	7.53	0.25	0.97	39	5.0	15.3	33.0	10	10	13	15
CASS-105-R-2000	2.49	NR	H	1.73	14.74	80.79	0	7.7	7.01	0.50	0.97	17	3.1	7.5	41.3	7	5	11	25
CASS-106-R-2000	2.79	NR	H	0.00	21.47	78.53	0	8.4	7.16	1.00	0.93	48	2.9	12.8	22.9	12	13	15	35
CASS-109-R-2000	3.41	NR	H	0.05	10.14	88.68	0	6	6.85	0.75	0.91	99	5.4	86.8	6.3	6	18	0	40
CASS-110-R-2000	2.76	NR	H	0.54	43.85	54.96	0	7.9	7.65	0.75	0.80	36	2.3	12.8	17.8	8	10	8	35
CASS-111-R-2000	2.51	R	H	0.00	4.08	95.92	0	8.3	4.57	0.50	0.92	34	1.5	10.0	15.3	6	6	7	35
CASS-113-R-2000	3.12	NR	H	0.02	6.07	93.31	1	7.2	6.5	1.00	0.91	46	2.5	20.8	12.0	6	9	7	15
CASS-307-R-2000	4.51	NR	H	0.10	20.09	78.80	0	7.5	6.72	0.50	0.99	76	11.7	45.0	26.0	9	14	0	25
FIMI-103-R-2000	1.71	R	H	0.00	0.00	100.00	0			0.50	0.80	52	4.4	22.0	19.8	10	12	11	43.23051948
FIMI-105-R-2000	2.07	NR	H	0.00	1.33	77.19	0	5.5	7.34	0.00	0.87	20	0.4	9.3	4.6	6	6	3	60
FIMI-106-R-2000	3.11	NR	H	0.00	22.76	77.24	0	8.1	7.31	0.50	1.00	30	1.6	13.8	11.3	10	9	7	10
FIMI-108-R-2000	2.14	NR	H	0.00	6.71	70.83	0			0.50	0.96	52	4.4	22.0	19.8	10	12	11	43.23051948
FIMI-109-R-2000	2.88	R	H	0.04	4.43	95.07	0	6.6	6.99	0.50	0.95	38	1.8	7.5	23.3	6	10	6	10
FIMI-110-R-2000	2.80	R	H	0.00	2.53	97.02	0	8	7.07	0.50	0.88	16	1.2	6.8	18.1	5	8	7	10
FIMI-202-R-2000	3.14	R	H	0.02	2.61	97.12	0	7.3	7.27	0.50	0.97	39	2.9	14.0	20.9	6	8	6	10
FIMI-207-S-2000	4.16	NR	H	0.00	4.41	89.69	0	9	7.61	0.50	0.97	34	4.2	11.3	37.6	9	8	11	5
FIMI-401-R-2000	4.60	NR	H	0.68	4.20	92.27	0	6.6	7.36	0.50	1.00	71	10.9	29.0	37.4	14	14	16	10

FIMI-404-R-2000	4.53	NR	H	0.60	3.23	92.85	0	6.2	7.1	0.50	1.00	59	9.7	27.8	35.0	14	15	13	15
FIMI-407-R-2000	4.53	NR	H	0.61	3.25	92.80	0	7.7	7.46	0.50	1.00	89	9.7	23.0	42.3	15	15	10	10
FR-B-032-206-96	3.11	NR	H	0.54	29.38	69.77	0	8.5	7.29	0.25	1.00	27	3.3	18.5	18.0	10	15	16	40
FR-B-046-127-96	2.48	R	H	0.00	0.00	99.34	0	8.2	7.05	0.25	0.92	16	1.3	8.3	15.8	7	6	10	60
FR-B-065-111-96	2.45	I	H	8.24	87.46	4.66	0	7.8	7.25	0.25	0.95	26	1.4	9.3	14.9	8	7	13	45
FR-B-076-118-96	2.32	I	H	4.76	79.05	14.29	0	5.5	6.93	0.50	0.93	24	1.7	10.0	17.3	9	9	8	35
FR-B-081-229-96	3.39	NR	H	0.00	19.82	79.98	0	9.5	8.39	0.50	0.84	42	7.9	31.5	25.0	10	15	17	35
FR-B-133-222-96	3.09	NR	H	0.00	16.84	83.16	0	9.8	7.24	0.25	1.00	46	6.2	22.0	28.0	10	13	15	25
FR-B-164-137-96	2.88	NR	H	0.00	8.40	91.34	0	8.1	7.75	0.25	0.92	30	3.0	11.8	25.1	9	10	10	40
GA-A-001-105-95	2.14	NR	H	0.00	12.45	87.43	0	4.5	6.17	0.25	0.83	15	0.5	3.0	15.0	6	2	6	40
GA-A-002-312-96	4.03	NR	H	0.46	31.10	67.93	0	8.9	5.96	0.50	1.00	89	12.4	34.3	36.3	15	16	16	40
GA-A-008-213-96	3.35	NR	H	0.14	17.95	81.78	0	8.5	7.28	0.50	0.93	46	4.5	21.0	21.5	10	16	18	25
GA-A-010-205-95	2.71	NR	H	0.00	53.35	46.38	0	6.5	6.6	0.25	0.95	19	0.6	9.8	6.2	6	4	2	65
GA-A-011-2	3.90	NR	H	0.03	18.37	77.51	0	8	6.75	0.50	1.00	64	6.5	24.3	26.8	12	12	15	10
GA-A-011-3	3.87	NR	H	0.04	19.34	76.24	0	7.9	6.61	0.50	1.00	34	8.4	28.5	29.3	8	16	15	25
GA-A-011-301-97	3.86	NR	H	0.04	19.57	75.93	0	8.1	6.45	0.50	1.00	50	7.0	37.8	18.6	12	16	2	75
GA-A-011-317-97	3.85	NR	H	0.04	19.86	75.59	0	6.5	6.21	0.75	0.97	73	7.0	43.0	16.2	9	12	0	45
GA-A-017-223-96	3.26	NR	H	0.00	16.04	79.97	0	7.3	6.78	0.50	0.91	64	4.6	38.0	12.0	17	18	13	60
GA-A-021-1	2.51	R	H	0.00	0.00	100.00	0	7.8	4.15	0.25	0.67	32	2.3	11.5	19.8	6	16	6	65
GA-A-021-2	2.53	R	H	0.00	0.00	100.00	0	6.7	4.05	0.25	0.60	50	1.4	19.0	7.4	13	17	6	100
GA-A-022-215-96	3.18	NR	H	0.00	51.76	47.71	0	7.4	6.51	0.50	0.71	51	3.1	19.5	16.0	12	11	9	35
GA-A-027-3	3.60	NR	H	0.05	29.29	63.38	0	4.5	6.7	0.50	0.69	140	3.5	65.3	5.4	4	18	0	100
GA-A-027-4	3.60	NR	H	0.05	29.32	63.38	0	4.5	6.7	0.50	0.56	82	2.9	47.8	6.1	4	16	0	100
GA-A-028-117-97	2.41	NR	H	0.26	62.81	36.51	0	8.5	6.73	0.25	0.75	26	1.3	13.3	9.6	7	11	11	25
GA-A-030-213-97	3.88	NR	H	0.46	32.91	65.32	1	7.3	7.3	1.00	1.00	28	3.2	19.3	16.5	7	8	5	10
GA-A-039-307-97	4.03	NR	H	0.62	34.64	64.42	0	7.2	7.26	0.50	0.93	64	7.1	29.3	24.4	12	15	14	15
GA-A-050-201-97	3.63	NR	H	0.30	63.23	35.95	0	8.6	6.98	0.00	0.63	48	4.1	26.0	15.7	10	15	12	35
GA-A-053-206-96	3.62	NR	H	0.05	4.21	93.76	0	8.1	6.72	0.50	0.89	46	5.3	29.8	17.8	7	14	15	35
GA-A-059-216-97	3.42	NR	H	0.01	28.71	70.71	0	9.2	7.31	0.75	0.97	41	2.0	17.0	11.9	9	11	13	25
GA-A-059-225-97	3.48	NR	H	0.01	25.37	74.11	0	9	6.79	0.50	0.95	99	2.6	29.8	8.8	14	16	15	25
GA-A-062-202-95	3.65	NR	H	0.58	12.91	85.40	0	7.7	7.04	0.50	0.73	71	6.6	20.0	33.1	18	17	17	25
GA-A-062-203-97	3.67	NR	H	0.61	12.93	85.48	0	9.3	7.43	0.75	0.67	68	4.8	36.0	13.3	12	16	16	15
GA-A-062-222-95	3.62	NR	H	0.64	14.15	84.04	0	8.5	7.2	0.50	0.97	126	3.9	31.5	12.5	15	20	17	20
GA-A-076-209-96	3.59	NR	H	0.08	13.70	86.07	0	9.4	6.63	0.50	0.96	82	5.4	45.0	11.9	15	17	19	50
GA-A-089-1	2.89	NR	H	0.18	64.48	34.90	0	6.9	6.75	0.00	0.97	34	1.7	16.8	9.9	3	16	8	100
GA-A-089-2	3.02	NR	H	0.13	64.31	35.16	0	8.2	6.68	0.00	0.63	56	1.7	14.5	11.9	11	16	8	65
GA-A-090-310-96	3.44	NR	H	0.00	1.74	97.36	1	8.5	7.06	0.50	0.92	42	7.5	18.5	40.5	12	11	14	25
GA-A-094-303-97	4.29	NR	H	0.31	25.84	73.20	0	8.3	7.07	0.25	1.00	96	8.9	49.5	18.0	16	16	18	15
GA-A-105-317-96	3.94	NR	H	0.52	31.12	67.75	0	7.9	6.89	0.50	1.00	62	7.2	44.0	16.4	13	17	17	100
GA-A-105-318-96	3.95	NR	H	0.52	30.72	68.19	0	7.6	7.25	0.75	1.00	58	8.8	36.0	24.4	11	16	16	100
GA-A-107-209-97	3.52	NR	H	0.07	11.31	88.20	0	9.1	6.94	0.50	0.97	67	4.1	16.0	25.8	12	15	14	15
GA-A-111-316-95	3.92	NR	H	0.95	23.55	74.48	0	6.9	7.22	0.25	0.93	78	6.0	45.8	13.0	9	17	4	40
GA-A-112-101-97	2.08	NR	H	0.57	35.63	63.28	0	7	6.87	0.25	0.89	15	0.9	5.5	15.9	5	5	3	25
GA-A-120-103-95	3.01	NR	H	0.74	31.29	67.06	0	5.9	7.16	0.50	0.84	114	3.3	24.5	13.3	14	19	15	20
GA-A-121-210-96	3.27	NR	H	0.00	4.70	80.26	0	8.3	6.74	0.50	0.96	32	3.9	20.0	19.5	10	16	13	50

GA-A-128-217-95	3.30	NR	H	0.10	24.08	75.93	0	7.9	6.55	0.00	0.71	49	3.4	28.0	12.2	9	11	5	100
GA-A-130-110-97	2.25	NR	H	0.38	46.08	49.70	0	8.1	7.04	0.25	0.93	48	0.9	11.8	7.2	6	8	6	20
GA-A-133-112-96	3.00	NR	H	0.00	18.18	81.82	1	9.1	7.47	0.25	1.00	36	3.2	11.0	29.3	10	12	9	30
GA-A-141-213-95	3.64	NR	H	0.21	37.82	60.28	0	8.1	6.66	0.50	0.97	37	7.4	16.3	45.2	10	16	16	35
GA-A-142-118-95	2.20	NR	H	0.00	52.96	47.36	0	7.5	6.6	0.25	0.95	10	0.5	4.0	11.3	6	3	3	60
GA-A-143-1	3.19	NR	H	0.00	20.50	75.70	0	3.9	5.99	0.00	0.91	50	1.6	16.5	9.5	13	18	9	100
GA-A-143-105-97	3.16	NR	H	0.00	19.25	78.05	0	5.4	5.5	0.50	0.68	72	2.9	49.3	5.8	14	15	12	50
GA-A-143-5	3.41	NR	H	0.01	29.46	62.23	0	1.8	6.46	0.25	0.80	92	3.6	56.5	6.4	6	17	0	100
GA-A-152-1	2.39	NR	H	1.15	9.09	89.76	0	8.3	4.4	0.25	0.92	18	1.2	7.5	15.7	6	8	8	50
GA-A-152-5	2.69	NR	H	1.12	12.62	86.13	0	8.3	5.14	0.25	0.81	20	1.6	7.8	20.3	7	7	10	70
GA-A-159-202-96	3.83	NR	H	0.03	8.81	90.35	0	8.5	6.88	0.50	0.99	58	4.9	22.8	21.6	13	16	11	100
GA-A-179-113-95	2.17	NR	H	0.00	50.27	48.19	0	7.1	7.15	0.25	0.83	24	0.7	5.8	12.6	7	6	4	100
GA-A-181-1	4.16	NR	H	1.14	29.18	66.58	0	7.2	7.25	0.50	1.00	76	11.3	46.0	24.5	18	17	16	30
GA-A-181-2	4.17	NR	H	1.13	29.06	66.80	0	7.4	7.28	0.25	1.00	89	9.3	61.0	15.3	12	19	16	60
GA-A-181-303-95	4.17	NR	H	1.05	27.23	62.56	0	9.1	7.91	0.25	1.00	34	9.8	26.5	37.0	10	11	16	35
GA-A-184-328-96	4.47	NR	H	0.19	16.34	82.79	0	7.7	6.95	0.25	1.00	73	17.2	40.0	42.9	13	10	16	30
GA-A-185-309-95	4.00	NR	H	0.07	51.90	47.59	0	7.5	6.8	0.25	0.84	68	8.1	38.0	21.4	13	17	15	30
GA-A-185-321-95	4.01	NR	H	0.07	51.62	47.88	1	7.3	6.89	0.25	1.00	68	8.0	45.8	17.5	15	18	15	40
GA-A-191-322-96	3.74	NR	H	0.00	15.68	82.24	1	7.8	7.19	0.25	0.99	95	5.9	27.0	21.7	12	14	11	100
GA-A-195-203-95	3.04	NR	H	0.31	67.53	31.78	1	7.2	6.6	0.00	0.47	34	2.4	16.5	14.2	10	16	15	35
GA-A-200-224-97	3.80	NR	H	0.02	21.31	78.18	0	7.6	7.05	0.50	0.99	46	6.7	22.5	29.8	10	14	11	20
GA-A-205-222-96	3.77	NR	H	0.03	4.76	92.96	1	9.3	3.36	0.25	0.93	59	6.0	26.0	23.0	12	16	2	100
GA-A-215-2	3.89	NR	H	0.06	5.22	90.04	0	7.2	3.7	0.50	0.91	92	7.2	54.8	13.1	6	9	0	100
GA-A-235-215-95	3.36	NR	H	0.10	59.33	39.64	0	7.3	6.6	0.25	0.68	48	3.9	39.0	10.0	5	17	0	70
GA-A-235-4	3.36	NR	H	0.11	59.69	39.31	0	7.1	6.7	0.25	0.89	38	2.6	12.8	20.0	7	11	7	55
GA-A-235-5	3.37	NR	H	0.10	58.67	40.35	0	6.1	6.25	0.50	0.80	88	5.8	74.5	7.8	4	18	0	75
GA-A-236-216-95	3.42	NR	H	0.05	25.93	73.76	0	6.9	6.91	0.50	0.99	20	3.5	12.5	28.2	8	10	15	100
GA-A-236-218-95	3.40	NR	H	0.05	27.03	72.91	0	7.1	7.12	0.75	0.93	43	2.6	14.5	17.8	9	16	4	35
GA-A-247-111-97	2.88	NR	H	0.00	9.59	90.29	0	8.6	7.51	0.50	0.88	38	2.7	7.8	34.2	9	8	11	15
GA-A-251-217-97	3.29	NR	H	0.10	35.49	62.74	0	7	8.08	0.75	0.60	54	2.2	27.0	8.1	8	14	0	100
GA-A-268-222-97	3.00	NR	H	0.92	47.17	51.17	0	9	6.95	0.50	0.91	34	3.3	4.8	69.5	8	8	7	10
GA-A-276-106-96	2.73	NR	H	0.00	6.94	92.12	0	9	6.79	0.50	0.96	49	2.4	9.3	25.9	9	7	11	40
GA-A-279-104-97	2.74	NR	H	0.62	31.02	67.97	0	7.2	7.01	0.50	0.60	22	2.1	8.8	23.7	7	6	8	20
GA-A-304-316-97	3.63	NR	H	1.30	43.08	55.18	0	9.5	7.52	0.50	0.97	69	3.6	20.5	17.7	11	12	15	10
GA-A-306-210-97	2.97	NR	H	0.18	74.22	25.30	0	9.1	8.24	0.50	0.95	20	1.9	8.3	22.4	7	7	6	35
GA-A-309-215-97	3.07	NR	H	0.49	29.17	70.11	0	8	7.06	0.50	0.92	20	2.5	10.0	24.5	7	7	8	0
GA-A-309-221-97	3.36	NR	H	0.37	27.97	70.73	1	8	7.06	0.50	0.89	40	2.8	22.5	12.3	10	7	7	35
GA-A-310-318-97	4.16	NR	H	0.03	18.47	79.70	0	8.6	6.87	0.75	1.00	69	7.1	37.3	18.9	13	15	16	20
GA-A-314-116-96	2.47	NR	H	0.00	28.62	71.04	0	7.2	6.77	0.50	0.36	22	1.0	10.5	9.0	6	5	2	75
GA-A-315-101-96	2.65	NR	H	0.00	39.37	60.85	0	7.9	6.58	0.50	0.89	33	2.8	11.0	25.0	10	11	15	40
GA-A-326-106-95	3.22	NR	H	0.02	9.03	88.67	0	7	7.05	0.25	0.68	43	4.3	20.0	21.6	10	17	17	100
GA-A-343-319-97	4.10	NR	H	0.25	28.14	68.76	0	8.3	7.16	0.50	1.00	37	6.5	21.0	31.1	10	10	15	20
GA-A-347-1	1.93	R	H	0.00	0.00	100.00	0	6.7	4.45	0.25	0.91	8	0.4	2.8	13.6	2	2	1	70
GA-A-347-4	2.11	R	H	0.00	0.00	100.00	0	7	4.24	0.25	0.99	4	0.3	0.5	65.0	6	16	2	80
GA-A-351-117-95	2.81	NR	H	2.00	25.33	72.05	0	7.8	6.4	0.75	0.87	60	3.5	22.3	15.6	15	17	16	15

GA-A-352-212-97	3.34	NR	H	0.13	54.93	44.70	0	7.6	7.06	0.25	0.76	26	3.0	13.0	23.3	6	7	8	25
GA-A-358-115-95	3.01	NR	H	1.02	37.72	60.93	0	8.2	6.59	0.50	0.81	46	4.0	15.0	26.8	9	10	10	10
GA-A-372-129-96	2.29	R	H	0.00	2.59	97.41	0	7.4	6.63	0.50	0.96	21	0.5	2.3	23.3	6	5	4	25
GA-A-373-220-95	2.87	NR	H	0.86	44.56	54.47	0	7.2	6.5	0.00	0.92	41	2.2	29.5	7.5	8	12	10	100
GA-A-395-219-97	3.82	NR	H	0.56	17.76	80.86	1	8.9	7.16	0.50	0.92	51	4.8	20.0	24.0	8	11	15	15
GA-A-405-112-95	2.66	NR	H	0.30	46.48	52.74	0	8.8	8.53	0.25	0.95	15	0.9	5.5	15.9	6	10	8	65
GA-A-407-310-97	4.07	NR	H	0.03	20.06	78.19	0	8.6	7.24	1.00	0.96	49	6.3	26.0	24.2	10	13	12	20
GA-A-407-312-97	4.03	NR	H	0.03	19.55	78.57	0	7.7	6.57	0.75	0.97	63	8.6	44.5	19.4	14	18	13	30
GA-A-407-313-97	3.71	NR	H	0.02	21.44	77.94	0	7.1	6.57	0.75	1.00	77	9.6	47.3	20.2	13	15	15	35
GA-A-407-314-95	4.08	NR	H	0.03	19.48	78.87	0	7.9	6.86	0.50	0.81	99	9.2	31.0	29.7	17	18	19	20
GA-A-409-102-97	2.94	NR	H	0.43	6.11	92.90	0	8.9	6.97	0.50	0.97	30	1.9	8.5	22.4	8	8	11	15
GA-A-416-118-96	2.41	NR	H	0.00	3.48	91.89	0	8.4	6.61	0.50	0.95	14	2.7	6.5	41.2	7	6	7	50
GA-A-420-323-95	3.90	NR	H	0.02	7.80	91.00	0	5.8	6.91	0.50	1.00	50	8.8	13.8	63.8	11	16	6	50
GA-A-420-325-95	3.90	NR	H	0.02	7.77	91.05	0	6.5	6.89	0.50	1.00	24	9.7	13.0	74.2	6	16	2	50
GA-A-432-315-95	4.00	NR	H	0.13	22.83	76.12	0	7.4	7.3	0.50	0.89	56	10.6	18.8	56.7	14	16	18	25
GA-A-432-320-95	4.01	NR	H	0.14	23.21	75.76	0	7.4	7.6	0.50	0.93	54	6.9	28.5	24.3	16	15	18	20
GA-A-439-205-97	3.16	NR	H	0.00	31.86	67.73	0	8	6.58	0.50	0.93	34	3.5	20.8	17.0	9	10	12	20
GA-A-443-112-97	2.63	R	H	0.00	0.00	100.10	0	9	4.43	0.50	0.89	34	2.0	16.0	12.3	8	7	15	35
GA-A-450-113-97	2.79	NR	H	0.72	10.37	88.15	0	7.8	7.1	0.50	0.95	22	2.4	8.3	29.1	7	7	6	20
GA-A-453-310-95	4.11	NR	H	0.16	20.84	78.47	0	7.2	7.43	0.50	0.92	75	7.9	31.8	24.9	15	18	10	25
GA-A-457-114-95	2.60	NR	H	0.35	11.84	86.85	0	6.8	6.76	0.25	0.89	29	1.8	4.0	44.4	9	12	6	45
GA-A-470-306-96	3.81	NR	H	0.06	11.32	87.03	0	8.4	7.15	0.50	1.00	113	4.8	35.5	13.5	15	18	16	100
GA-A-470-309-96	3.82	NR	H	0.06	11.26	87.07	0	8.2	7	0.50	0.97	102	6.3	46.3	13.6	15	17	5	100
GA-A-470-315-96	3.82	NR	H	0.06	11.26	87.09	0	8.2	6.98	0.50	0.93	134	6.9	53.5	12.9	15	19	18	60
GA-A-493-109-95	3.19	NR	H	0.04	19.98	79.74	0	6.4	6.94	0.00	0.93	28	3.3	12.0	27.5	9	10	12	35
GA-A-496-105-96	2.49	NR	H	0.00	70.97	26.13	0	7.7	7.87	0.25	0.75	22	2.1	11.3	18.2	7	10	6	75
GA-A-505-210-95	3.72	NR	H	0.05	17.76	79.15	0	6.1	6.85	0.75	0.72	58	4.4	27.5	16.1	10	16	1	55
GA-A-505-218-97	3.78	NR	H	0.04	18.35	78.81	0	8	7.06	0.75	0.87	106	6.6	36.0	18.2	12	16	10	35
GA-A-506-106-97	2.37	NR	H	0.00	30.13	69.68	0	7.3	6.67	0.50	0.99	24	0.4	2.5	15.0	7	7	4	20
GA-A-511-322-95	3.93	NR	H	0.03	17.08	80.62	0	6.5	7	0.50	1.00	38	7.7	18.0	42.5	10	15	18	25
GA-A-512-214-96	3.10	NR	H	0.00	6.02	73.17	0	7.6	6.79	0.50	0.89	45	2.9	14.3	20.2	10	12	12	45
GA-A-518-220-97	3.18	NR	H	0.33	40.23	58.89	0	8.4	7.55	0.50	1.00	50	4.1	31.3	13.1	11	15	15	0
GA-A-520-1	1.89	NR	H	1.28	5.12	93.61	0	5.8	4.98	0.25	0.91	12	0.6	1.5	41.7	6	1	1	50
GA-A-520-2	1.86	NR	H	1.36	5.46	93.18	0	5.8	4.98	0.25	0.97	5	0.5	1.0	45.0	6	1	1	55
GA-A-521-108-95	3.27	NR	H	1.10	11.65	85.50	0	6.85	7.03	0.25	0.91	47	3.1	19.3	16.0	7	16	6	40
GA-A-523-203-96	3.19	NR	H	0.00	12.44	86.84	0	8.9	6.95	0.50	0.96	54	3.2	22.8	14.2	13	16	15	60
GA-A-542-304-97	4.08	NR	H	0.06	18.29	69.18	0	8.2	6.73	0.50	0.91	54	11.7	28.0	41.8	12	13	16	35
GA-A-542-308-97	4.07	NR	H	0.06	18.67	68.54	0	7.1	6.89	0.50	1.00	34	11.3	27.5	41.0	10	15	16	40
GA-A-542-309-97	4.08	NR	H	0.06	18.36	69.06	0	8.2	6.73	0.50	1.00	74	10.5	32.0	32.7	12	15	13	40
GA-A-545-301-95	4.24	NR	H	0.04	17.54	79.98	0	7.4	6.73	0.75	0.83	48	16.0	27.0	59.1	10	17	19	20
GA-A-545-302-97	4.18	NR	H	0.03	17.63	80.31	0	8.6	6.87	0.75	1.00	112	9.3	50.0	18.6	14	14	8	25
GA-A-547-108-97	3.42	NR	H	0.04	28.45	66.54	0	6.4	7.02	0.75	0.76	55	3.8	34.5	11.1	10	12	7	100
GA-A-547-5	3.56	NR	H	0.08	21.66	74.46	0	7.9	7.16	0.25	0.91	68	7.4	26.0	28.6	16	15	19	5
GA-A-547-8	3.26	NR	H	0.03	34.41	63.07	0	8.4	7.18	0.50	0.63	98	3.7	72.8	5.1	5	17	0	100
GA-A-548-2	3.77	NR	H	0.05	22.04	72.70	0	5.8	6.82	0.25	0.64	105	4.5	65.0	6.9	3	17	0	100

GA-A-548-3	3.76	NR	H	0.05	22.21	72.46	0	5.6	6.84	0.50	0.71	63	2.7	27.0	9.8	10	17	16	100
GA-A-548-317-95	3.37	NR	H	0.00	7.09	92.13	0	5.6	7.13	0.75	0.67	86	3.0	37.0	8.2	10	16	5	100
GA-A-551-227-95	3.11	NR	H	3.11	52.49	43.63	0	8.8	6.32	0.25	0.97	26	1.9	14.8	12.5	7	16	5	65
GA-A-553-1	3.24	NR	H	0.06	5.59	93.39	0	5.7	4.55	0.25	0.85	95	2.1	27.5	7.5	13	16	6	100
GA-A-553-2	3.24	NR	H	0.06	5.44	93.68	0	5.2	4.57	0.25	0.56	34	1.4	13.3	10.2	6	16	6	100
GA-A-557-1	2.72	NR	H	0.00	50.36	48.39	0	6.6	6.2	0.25	0.89	44	1.3	16.0	8.3	6	6	6	20
GA-A-557-2	2.85	NR	H	0.00	58.12	40.77	1	6.6	6.3	0.00	1.00	20	1.0	9.8	10.3	6	11	6	100
GA-A-558-211-96	3.58	NR	H	0.98	29.73	68.20	0	7.2	6.82	0.50	0.79	70	6.0	36.5	16.5	13	15	16	45
GA-A-560-201-95	3.70	NR	H	0.48	30.77	63.04	0	8.2	7.24	0.25	0.96	81	6.2	31.5	19.8	15	17	17	40
GA-A-563-318-95	3.85	NR	H	0.02	8.49	90.21	0	6.4	6.85	0.25	0.99	60	4.9	33.3	14.8	11	16	7	100
GA-A-999-1	4.12	NR	H	1.21	30.59	64.83	0	7.4	7.34	0.50	0.97	86	7.1	57.8	12.3	13	16	16	20
GA-A-999-2	4.12	NR	H	1.22	30.86	64.58	0	7.6	7.39	0.50	0.91	108	8.0	94.0	8.5	13	18	16	65
GA-A-999-302-96	4.53	NR	H	0.17	14.88	83.46	0	7.8	6.76	0.25	1.00	60	13.2	37.8	35.0	13	15	16	25
LMON-101-T-2000	2.95	NR	H	1.14	52.64	37.46	0	6.3	7.66	0.25	0.83	47	1.8	23.8	7.6	10	13	14	35
LMON-104-T-2000	2.86	I	H	14.66	67.07	18.18	0	8.3	7.27	0.75	0.89	48	1.7	26.5	6.2	7	10	15	35
LMON-106-T-2000	2.91	NR	H	0.78	50.19	39.67	0	5.6	7.4	0.75	0.87	45	1.4	20.3	7.0	9	11	12	50
LMON-119-T-2000	2.35	I	H	0.71	80.37	18.93	0	7.9	7.25	0.75	0.89	52	1.9	6.8	28.1	11	12	13	30
LMON-122-T-2000	2.95	NR	H	0.57	54.51	39.38	1	7.2	7.89	0.50	1.00	42	1.5	12.8	11.6	8	8	11	25
LMON-130-T-2000		R	H	0.00	0.00	100.00	0	5.1	5.55	0.25	0.99	11	1.9	5.5	34.5	7	3	6	40
LMON-136-T-2000		NR	H	0.00	42.26	57.74	0	5.6	6.88	0.25	0.76	28	1.5	6.5	23.1	6	6	7	30
LMON-147-T-2000	2.42	I	H	0.00	96.51	3.37	0	6.8	7.58	0.50	0.87	21	0.7	11.0	6.4	6	7	7	75
LMON-202-T-2000	3.18	I	H	0.21	85.15	13.73	0	7.3	7.94	0.50	0.76	93	3.3	12.8	25.7	14	13	12	50
LMON-203-T-2000	3.66	NR	H	0.14	70.72	28.94	0	8	7.69	0.75	0.97	62	4.2	27.0	15.6	14	15	13	35
LMON-209-T-2000	3.41	NR	H	0.06	51.50	47.99	0	8.3	7.33	1.00	0.43	78	1.8	24.5	7.3	15	16	15	25
LMON-210-T-2000	3.33	NR	H	0.31	56.69	42.70	0	8.5	7.89	0.75	0.99	39	4.4	19.8	22.3	8	9	16	25
LMON-220-T-2000	3.36	NR	H	20.89	34.67	44.06	1	8.4	7.82	0.25	0.91	96	5.8	43.0	13.4	14	14	13	25
LMON-227-T-2000	3.53	NR	H	6.88	50.47	42.61	0	9.4	7.8	0.75	0.99	64	4.7	17.3	27.0	15	15	16	35
LMON-231-T-2000	2.16	I	H	7.31	76.99	11.40	0	3.1	6.45	0.75	0.99	27	0.8	5.8	13.0	5	6	6	40
LMON-237-T-2000	3.46	NR	H	4.67	69.05	26.27	0	8.1	7.48	0.50	0.81	53	4.0	41.3	9.6	14	15	14	35
LMON-239-T-2000	3.02	I	H	0.30	78.03	20.79	1	10.1	7.48	0.75	1.00	78	3.2	27.0	11.9	11	12	11	100
LMON-240-T-2000	3.33	NR	H	4.73	60.42	34.77	0	8.6	7.62	1.00	1.00	52	2.5	25.5	9.7	11	12	12	25
LMON-252-T-2000	3.46	NR	H	4.77	63.84	31.01	0	8.3	6.95	0.50	0.64	61	3.3	20.3	16.2	15	13	17	20
LMON-316-T-2000	4.30	NR	H	3.32	61.71	34.19	0	9.3	7.56	0.50	1.00	54	11.3	36.3	31.2	15	12	18	20
LMON-421-T-2000	4.63	NR	H	1.79	58.85	39.00	1	9.5	7.06	0.75	1.00	121	20.9	95.0	22.0	10	20	0	30
LTON-102-R-2000	2.81	NR	H	2.31	65.67	31.04	0	8.4	7.95	0.50	0.97	31	1.8	15.0	11.8	10	10	12	20
LTON-108-R-2000	2.90	NR	H	0.12	39.76	60.12	0	7.2	8.07	0.75	0.97	18	1.8	8.0	22.2	6	4	9	55
LTON-113-R-2000	3.10	NR	H	0.08	45.19	54.74	0	7.7	8.3	0.25	0.84	51	1.4	10.8	12.8	12	14	7	45
LTON-114-R-2000	2.78	NR	H	14.66	21.89	63.19	0	8.6	6.98	0.50	0.85	50	1.5	16.0	9.2	12	13	14	25
LYOU-101-C-2000	3.11	R	H	0.00	3.35	96.31	0	9.2	7.51	0.75	0.59	34	2.4	17.5	13.9	7	10	9	60
MARS-205-R-2000	4.01	I	H	9.32	76.82	13.43	0	8.6	7.98	0.50	1.00	56	3.6	37.8	9.5	13	10	16	100
MARS-210-R-2000	3.49	I	H	3.81	83.76	11.89	0	8.6	7.86	0.50	0.96	62	6.6	37.0	17.8	17	13	18	65
MARS-224-R-2000	4.13	I	H	7.43	77.43	14.54	1	8.6	8.05	0.25	0.96	104	3.9	33.8	11.5	18	16	18	70
PRLN-626-S-2000	2.68	R	H	0.00	0.00	100.00	0	6.8	7.41	0.25	0.93	46	2.4	16.0	15.0	16	16	17	0
PRUN-101-C-2000	3.07	NR	H	0.00	21.84	66.76	1	9.2	7.14	0.50	0.95	60	3.1	22.5	13.8	14	15	17	40
PRUN-302-C-2000	3.82	NR	H	0.05	11.22	87.26	0	9.5	7.43	0.50	0.96	159	4.9	32.0	15.3	15	19	17	15

PRWA-103-R-2000	2.38	NR	H	0.00	30.99	35.50	0	7.7	7.66	0.25	0.92	27	1.5	4.3	34.1	5	10	6	30
PRWA-104-R-2000	2.79	NR	H	2.28	7.09	90.63	0	7.4	7.44	0.50	0.81	39	1.6	7.3	21.4	6	9	7	30
PRWA-106-R-2000	3.14	I	H	1.17	93.15	5.50	0	8.9	8.12	0.75	0.92	42	2.2	16.8	13.1	10	14	16	75
PRWA-117-R-2000	1.81	NR	H	0.00	5.29	94.71	0			0.50	0.99	52	4.4	22.0	19.8	10	12	11	43.23051948
PRWA-119-R-2000	2.73	NR	H	6.92	27.16	65.87	0	7.8	7.58	0.25	0.95	26	2.7	7.0	38.2	6	7	6	15
PRWA-122-R-2000	2.73	NR	H	0.06	59.37	40.51	0	8.3	7.5	0.75	0.87	28	1.7	8.8	18.9	10	10	10	20
SAVA-101-C-2000	3.48	R	H	0.00	2.85	96.12	0	7.8	7.15	0.50	0.99	54	3.4	17.8	19.3	12	13	15	15
SAVA-159-S-2000	3.83	NR	H	0.03	9.03	90.21	0	7.9	6.84	0.50	1.00	165	5.3	16.0	33.0	15	20	18	10
SAVA-202-C-2000	3.10	NR	H	0.00	6.86	92.45	0	6.8	7.23	0.50	0.87	54	3.5	20.0	17.5	11	12	15	35
SAVA-203-C-2000	3.72	NR	H	0.04	4.88	93.62	0	8.3	6.45	0.50	0.99	128	4.9	12.5	38.8	14	17	15	10
SAVA-204-C-2000	2.91	NR	H	0.00	12.65	87.35	0	9	7.67	0.25	1.00	69	6.5	42.0	15.5	15	17	17	15
SAVA-225-S-2000	4.53	NR	H	0.16	14.60	83.87	0	8.9	7.58	0.50	0.99	162	10.5	64.3	16.3	18	19	18	15
SAVA-276-S-2000	2.72	NR	H	0.00	6.50	92.64	0	8.3	6.81	0.50	0.99	42	2.8	8.8	32.0	10	10	9	10
TOWN-101-R-2000	2.55	R	H	0.00	3.97	96.03	0	6.7	7.35	0.75	0.80	40	0.6	6.0	10.0	2	10	4	25
TOWN-102-R-2000	2.82	NR	H	0.00	6.03	93.97	0	5.8	6.6	0.50	0.89	18	0.5	2.0	25.0	2	4	4	10
TOWN-104-R-2000	2.14	R	H	0.00	0.00	100.00	0	5.9	6.61	0.50	0.68	24	0.3	1.3	22.0	2	7	0	15
TOWN-106-R-2000	1.62	R	H	0.00	0.00	100.00	0			0.25	0.93	52	4.4	22.0	19.8	10	12	11	43.23051948
TOWN-110-R-2000	2.69	NR	H	0.13	4.95	93.36	0	7.9	7.3	0.75	0.84	23	1.1	4.0	26.9	6	7	7	10
TOWN-113-R-2000	2.60	R	H	0.00	0.00	100.00	0	5.5	6.75	0.50	0.95	14	0.0	0.0		2	8	0	15
TOWN-408-R-2000	4.67	NR	H	0.00	15.45	82.58	0	8.5	7.9	0.75	0.89	94	9.1	51.3	17.8	15	15	16	15
TOWN-409-R-2000	4.91	NR	H	0.23	16.69	81.85	0	8.6	6.7	0.75	1.00	98	21.7	67.0	32.4	13	16	14	15
TOWN-412-R-2000	4.92	NR	H	0.23	16.69	81.87	0	8.6	6.7	0.75	1.00		0.0	0.0		15	16	17	10
UMON-101-C-2000	3.19	R	H	0.00	0.12	99.86	0	10.6	7.06	0.25	0.81	62	4.4	19.5	22.3	15	17	18	20
UMON-101-R-2000	2.62	NR	H	0.00	16.19	83.73	0	6.8	7.07	0.50	0.91	14	0.9	7.5	12.0	8	4	7	35
UMON-103-R-2000	2.33	I	H	0.00	86.74	13.26	0	6	7.14	0.50	0.80	24	1.7	12.3	14.1	6	10	8	35
UMON-106-R-2000	3.11	I	H	1.00	93.42	5.58	0	7.2	7.06	0.25	0.92	38	2.0	20.5	9.6	10	10	7	90
UMON-115-R-2000	2.07	R	H	0.00	0.00	100.00	0	9.6	6.94	0.25	0.93	15	0.8	5.5	14.1	7	5	6	25
UMON-117-R-2000	2.63	I	H	0.15	83.69	16.16	0	6.3	7.07	0.50	0.95	32	1.8	8.0	22.2	8	9	8	65
UMON-119-R-2000	3.03	NR	H	0.00	0.53	99.33	1	7.3	6.92	0.50	0.68	73	2.7	16.3	16.3	15	16	15	25
UMON-128-R-2000	2.03	R	H	0.00	0.00	100.00	0			0.25	1.00	52	4.4	22.0	19.8	10	12	11	43.23051948
UMON-131-R-2000	2.53	I	H	2.68	90.41	6.64	0	6.9	7.14	0.25	0.93	42	1.0	10.5	9.3	5	10	4	45
UMON-132-R-2000	2.38	R	H	0.00	0.65	99.35	0	5.7	6.07	0.25	0.92	50	0.2	1.8	11.4	6	8	0	20
UMON-134-R-2000	3.03	NR	H	0.03	0.27	99.61	1	9.2	6.84	0.25	0.97	32	2.8	16.3	17.4	8	7	14	35
UMON-202-C-2000	3.32	R	H	0.03	2.96	96.94	0	9.1	7.19	0.25	0.99	50	4.0	31.0	13.0	16	13	17	10
UMON-207-R-2000	3.74	NR	H	0.27	4.81	94.63	0	8.6	6.45	0.50	1.00	52	6.0	32.0	18.7	15	14	17	.
UMON-221-R-2000	3.90	NR	H	5.76	13.54	80.54	1	8	6.48	0.25	1.00	42	5.7	27.0	20.9	12	10	18	30
UMON-229-R-2000	3.12	NR	H	2.77	3.12	94.11	0	7.7	6.95	0.50	0.99	35	3.3	17.0	19.3	8	8	13	45
UMON-230-R-2000	3.82	NR	H	0.31	9.91	89.66	0	7.5	7.42	0.25	0.99	54	7.3	25.8	28.3	16	15	19	20
UMON-288-S-2000	3.13	NR	H	6.71	11.66	81.63	0	7.9	7.11	0.25	0.85	49	2.4	22.8	10.7	14	17	17	20
UMON-304-R-2000	3.86	NR	H	0.39	29.46	69.89	0	7.3	7.11	0.25	1.00	104	6.9	50.5	13.7	17	18	19	30
UMON-310-R-2000	4.06	I	H	2.01	81.27	15.81	0	9.2	8.4	0.00	0.88	55	11.7	35.8	32.7	12	12	7	45
UMON-322-R-2000	4.03	NR	H	4.90	12.25	82.69	0	8.6	7.8	0.75	0.91	102	12.5	55.8	22.5	15	17	18	10
UMON-413-R-2000	4.44	NR	H	1.55	20.78	77.24	0	8.2	7.4	0.25	1.00	54	11.0	20.8	53.0	14	13	16	20
WA-A-003-308-95	3.70	NR	H	4.99	13.48	81.01	1	8.3	7.18	0.25	1.00	28	4.0	18.5	21.6	7	16	11	25
WA-A-005-118-95	2.33	NR	H	0.95	66.86	32.80	1	8.3	6.48	0.50	0.95	32	1.0	10.5	9.5	8	10	8	100

WA-A-040-221-95	2.91	R	H	0.00	1.13	99.07	0	9.5	4.64	0.25	0.97	86	4.6	33.5	13.8	17	15	20	10
WA-A-045-127-95	2.19	NR	H	0.00	14.30	85.40	0	6.6	5.99	0.25	0.92	20	0.6	3.8	16.0	3	5	6	15
WA-A-053-223-95	3.35	NR	H	0.12	15.46	81.90	0	6.8	7.1	0.50	1.00	54	4.2	24.5	17.2	12	16	14	30
WA-A-068-101-95	2.21	NR	H	0.00	26.15	73.68	0	7.6	6.27	0.25	0.76	16	0.6	7.5	8.3	6	8	10	10
WA-A-089-312-95	3.81	NR	H	1.87	44.04	53.69	0	9.1	8.27	0.25	1.00	36	7.0	15.5	45.0	8	10	13	0
WA-A-101-219-95	2.06	I	H	0.00	74.66	23.90	0	5.1	6.72	0.25	0.75	7	0.5	1.0	50.0	2	1	2	100
WA-A-106-124-95	2.09	R	H	0.00	4.37	95.20	0	8.2	7.22	0.25	0.89	26	1.9	10.8	17.7	9	11	15	30
WA-A-133-204-95	3.22	NR	H	0.00	9.45	90.07	0	7.4	6.35	0.75	0.99	70	3.2	19.0	16.7	12	13	12	30
WA-A-139-235-95	2.86	NR	H	0.05	26.56	73.55	0	8.2	7.8	0.25	0.92	28	1.0	8.3	12.4	6	12	7	50
WA-A-144-311-95	3.81	NR	H	2.01	43.42	54.17	0	9	6.82	0.50	0.88	104	5.5	31.5	17.3	17	16	15	30
WA-B-018-209-96	3.84	NR	H	0.33	35.44	63.83	1	7.9	7.16	0.25	1.00	58	7.3	41.3	17.6	8	16	3	55
WA-B-018-241-96	3.80	NR	H	0.34	36.57	62.68	0	9.5	7.05	0.25	0.93	133	7.1	34.8	20.4	13	20	13	65
WA-V-003-123-95	2.35	I	H	0.00	88.82	11.12	1	8.5	7.45	0.00	1.00	36	7.1	23.3	30.3	2	16	0	100
WA-V-006-222-95	3.54	NR	H	0.71	51.21	47.67	0	9.3	7.75	0.00	0.81	44	4.2	20.3	20.6	8	10	12	25
WA-V-062-212-95	4.12	NR	H	2.31	48.76	48.45	1	8.5	8	0.50	1.00	120	8.8	63.3	13.8	15	19	0	100
WA-V-063-201-95	3.23	NR	H	0.00	55.72	44.04	0	9.7	7.58	0.75	0.92	28	2.1	18.0	11.8	7	10	15	30
WA-V-072-104-95	1.86	NR	H	0.00	7.46	90.07	0	6.6	7.39	0.25	0.76	30	1.4	13.5	10.4	8	16	11	40
WA-V-075-220-95	3.97	NR	H	1.97	47.73	49.87	1	9.1	7.52	0.50	1.00	86	6.0	35.8	16.7	14	18	0	65
WA-V-077-310-95	4.06	I	H	16.89	69.47	13.19	1	7.7	8.12	0.50	0.91	92	4.4	43.8	10.1	16	19	16	100
WA-V-084-116-95	2.63	NR	H	0.16	47.45	51.02	0	8	7.5	0.25	0.80	16	1.9	4.8	38.9	6	5	10	75
WA-V-105-215-95	3.67	NR	H	2.31	38.55	58.29	1	10.2	8.24	0.25	0.91	64	4.9	35.3	13.8	16	17	16	60
WA-V-118-117-95	3.37	NR	H	2.06	30.62	67.36	1	9	6.54	0.00	0.99	50	2.0	27.5	7.3	11	11	16	25
WA-V-120-233-95	3.53	NR	H	0.11	23.68	75.91	0	6.2	8.06	0.50	0.96	44	3.5	18.5	19.1	15	16	14	50
WA-V-131-224-95	4.17	I	H	2.95	90.40	6.08	1	9.3	8.85	0.50	0.83	81	6.6	60.5	10.8	18	18	20	100
WA-V-148-305-95	4.02	NR	H	0.05	50.05	49.49	1	14.6	8.65	0.25	0.81	120	7.6	32.8	23.3	16	17	16	45
WA-V-157-111-95	3.30	NR	H	0.17	62.45	37.11	1	12	8.26	0.25	0.85	52	4.0	21.0	19.0	11	16	16	50
WA-V-161-214-95	3.28	NR	H	1.29	9.96	87.11	0	7.6	7.31	0.25	0.93	62	2.6	8.5	30.3	12	13	10	50
WA-V-164-202-95	3.82	I	H	5.56	89.31	4.89	0	8.7	8.99	0.25	1.00	54	6.9	26.3	26.1	15	16	16	50
WA-V-170-217-95	2.98	NR	H	0.04	19.23	80.33	0	8.8	7.73	0.25	0.96	54	1.3	9.0	14.2	12	14	15	60
WA-V-174-236-95	4.03	I	H	0.13	92.53	6.93	0	9.4	7.26	0.25	1.00	38	6.2	27.5	22.4	9	16	15	30
WA-V-175-208-95	3.72	I	H	0.99	86.86	11.53	0	9.4	6.96	0.00	0.91	46	1.9	22.5	8.2	8	11	16	100
WA-V-175-216-95	3.59	I	H	0.65	88.56	10.08	0	8.4	7.89	0.25	1.00	66	3.5	22.5	15.3	14	17	16	100
WA-V-176-109-95	2.81	I	H	1.59	86.42	10.26	0	9	8.4	0.25	0.99	30	2.4	9.3	26.2	9	16	10	100
WA-V-186-210-95	3.66	NR	H	0.61	52.01	46.79	0	9.2	7.71	0.00	0.96	84	7.0	28.5	24.6	15	18	15	40
WA-V-192-115-95	3.20	I	H	61.90	26.41	11.23	1	6.7	7.39	0.00	1.00	38	3.2	19.0	16.7	6	6	11	100
WA-V-193-110-95	3.24	I	H	0.85	86.93	11.83	0	5.4	8.67	0.00	0.95	12	0.9	8.8	10.0	6	3	3	100
YOUG-101-C-2000	3.07	NR	H	0.11	43.20	56.53	0	8	7.37	0.50	0.88	38	2.4	7.0	33.9	7	9	11	30
YOUG-202-C-2000	3.07	NR	H	0.00	7.24	92.03	0	8.9	7.15	0.75	0.97	50	5.8	15.5	37.6	14	14	15	15
YOUG-203-C-2000	3.36	NR	H	0.81	26.02	72.50	0	8.6	7.33	0.50	0.95	58	3.9	24.3	16.0	15	16	17	20
YOUG-432-S-2000	4.00	NR	H	0.11	22.93	76.25	0	8.5	7.5	0.50	1.00	56	6.9	28.8	23.9	12	13	18	10
BA-P-002-303-96	3.90	NR	P	8.10	31.33	57.47	0	9.7	7.87	0.00	0.96	69	6.2	29.3	21.1	19	17	19	30
BA-P-002-319-95	3.89	NR	P	7.77	31.61	57.52	0	8.6	7.93	0.25	0.81	61	5.5	40.0	13.8	16	12	16	10
BA-P-008-101-95	2.78	R	P	1.23	41.58	55.83	0	8	7.98	0.50	0.47	35	1.2	8.3	14.5	8	11	10	25
BA-P-013-328-96	3.44	I	P	82.02	11.20	6.24	1	6.2	7.77	0.25	1.00	68	5.6	30.0	18.5	14	17	17	75
BA-P-015-120-96	2.66	R	P	0.00	41.19	58.59	0	9.6	7.14	0.50	0.89	43	2.6	16.8	15.4	10	10	15	40

BA-P-025-102-96	2.78	R	P	0.00	42.48	56.69	0	12.6	6.52	0.50	0.79	72	3.0	22.5	13.3	15	14	14	30
BA-P-042-116-96	3.20	NR	P	0.00	67.92	31.64	0	9.8	8	0.50	0.85	80	5.1	29.8	17.2	13	15	15	70
BA-P-055-103-96	2.25	NR	P	0.00	68.36	32.20	0	9.6	7.47	0.25	0.88	40	1.9	10.8	17.2	6	6	7	90
BA-P-057-209-96	3.35	NR	P	2.83	40.22	56.58	1	9.1	7.71	0.00	0.93	41	4.5	22.8	19.7	7	7	15	60
BA-P-065-117-96	2.47	I	P	0.67	86.91	12.42	0	10.2	7.01	0.25	0.84	51	2.2	11.0	19.5	14	12	15	50
BA-P-065-119-96	2.80	I	P	0.32	86.58	13.42	0	11.9	7.39	0.25	0.99	37	2.7	15.8	17.3	9	8	13	55
BA-P-074-106-96	2.53	I	P	72.27	4.13	23.89	1	8.7	7.11	0.00	0.91	29	1.9	9.5	20.3	8	7	10	80
BA-P-077-315-96	3.58	NR	P	4.12	33.24	56.62	0	8.3	7.37	0.25	0.88	121	7.7	44.8	17.1	18	17	16	20
BA-P-077-322-95	3.49	NR	P	3.44	36.51	52.69	0	8.2	7.5	0.50	0.97	31	5.0	15.3	32.8	10	11	16	15
BA-P-080-2	3.62	NR	P	3.12	73.17	23.29	0	10.5	6.89	0.25	0.92	39	3.9	27.5	14.3	11	13	15	20
BA-P-080-314-97	3.64	NR	P	2.96	72.88	23.81	1	9.6	6.29	0.50	0.93	88	5.1	36.5	14.0	17	18	15	25
BA-P-080-9	3.64	NR	P	2.94	72.77	23.88	0	10.7	6.39	0.25	0.93	100	4.7	65.3	7.1	12	14	15	35
BA-P-089-122-96	3.21	NR	P	1.24	66.05	32.46	0	10.6	7.72	0.50	0.96	43	3.0	20.8	14.3	10	9	15	25
BA-P-103-124-96	2.16	I	P	0.00	88.19	11.11	0	7.7	7.22	0.25	0.83	32	1.6	17.5	9.3	8	8	10	70
BA-P-107-123-95	2.42	NR	P	0.00	48.39	51.86	0	7	7.87	0.25	1.00	17	0.6	5.0	11.0	3	3	6	100
BA-P-116-114-96	1.95	I	P	0.00	91.11	7.78	0	10.2	7.27	0.25	0.76	27	2.2	5.5	39.1	6	9	7	60
BA-P-121-111-96	2.44	NR	P	10.99	10.26	78.39	0	11.2	7.78	0.25	0.79	34	1.5	14.8	9.8	8	8	9	70
BA-P-124-302-96	3.85	NR	P	0.28	74.14	24.78	0	10.5	7.48	0.25	0.97	63	8.7	38.5	22.6	17	17	19	40
BA-P-125-126-96	3.32	NR	P	66.57	13.85	19.82	1	8.42	7.63	0.00	0.93	93	6.2	65.0	9.5	9	17	4	90
BA-P-141-206-96	3.28	NR	P	0.10	63.12	36.57	0	11.5	7.49	0.25	0.79	60	5.0	26.8	18.5	15	14	17	20
BA-P-143-104-96	2.98	NR	P	0.42	44.51	54.85	0	10.6	7.42	0.00	0.97	35	3.9	16.0	24.4	10	11	15	40
BA-P-144-322-96	4.21	NR	P	25.26	40.23	33.82	0	8.9	7.2	0.25	1.00	70	9.2	59.0	15.6	18	18	1	30
BA-P-145-316-96	4.14	NR	P	21.61	42.97	34.64	1	8.5	7.55	0.25	1.00	71	9.9	53.5	18.5	17	18	16	40
BA-P-145-327-96	4.14	NR	P	21.65	43.03	34.55	0	8.9	7.56	0.25	1.00	83	8.6	40.3	21.4	15	16	18	50
BA-P-156-208-96	3.20	NR	P	0.56	67.38	31.75	1	10.2	7.31	0.25	0.99	56	8.9	43.0	20.6	13	11	18	50
BA-P-160-205-96	3.59	NR	P	0.00	71.87	27.62	0	10.4	7.32	0.25	0.95	105	7.5	38.3	19.5	16	16	13	55
BA-P-179-125-96	2.75	NR	P	0.00	74.78	24.69	0	10.2	7.33	0.50	0.95	55	3.7	14.8	24.7	13	15	12	50
BA-P-191-211-96	3.31	I	P	2.39	88.91	8.35	0	9.9	7.43	0.25	0.95	63	5.6	29.5	19.1	16	15	16	70
BA-P-202-202-96	3.23	NR	P	1.43	60.46	37.87	0	10.7	7.18	0.25	0.95	63	5.0	28.8	17.2	14	11	15	40
BA-P-203-215-96	3.28	NR	P	2.82	35.13	61.53	0	11	8.38	0.25	0.91	56	3.9	31.3	12.3	14	14	14	50
BA-P-206-108-95	3.13	NR	P	4.93	50.36	44.48	0	9.3	7.76	0.50	0.97	68	3.8	37.5	10.1	13	12	11	10
BA-P-215-305-96	4.10	NR	P	0.33	69.85	29.24	0	11.2	8.81	0.25	1.00	84	14.5	45.5	31.9	16	11	16	30
BA-P-218-313-96	3.81	NR	P	0.31	76.82	22.07	0	10.2	6.72	0.25	0.99	64	5.7	34.0	16.8	11	10	18	25
BA-P-234-109-95	2.22	NR	P	2.06	23.68	74.33	0	8.7	7.54	0.50	0.97	34	1.2	5.5	20.9	7	8	10	25
BA-P-238-311-96	3.78	NR	P	0.33	77.81	21.01	0	10.6	7.45	0.50	0.87	78	4.8	34.5	13.8	17	15	17	20
BA-P-242-210-96	3.40	NR	P	0.00	75.39	24.21	0	10.2	7.16	0.25	0.83	60	2.5	32.3	7.8	17	15	17	70
BA-P-262-111-96	2.17	NR	P	66.22	6.76	27.03	1	7	7.64	0.25	0.85	41	1.4	14.0	10.0	5	13	8	80
BA-P-269-214-96	2.90	NR	P	52.47	19.26	26.62	1	8.2	8.16	0.00	1.00	61	2.0	21.0	9.6	12	12	16	65
BA-P-284-204-96	3.18	NR	P	0.00	71.71	27.55	0	9.2	7.47	0.25	0.91	114	4.5	25.5	17.5	12	15	11	60
BA-P-291-217-95	3.24	NR	P	4.89	45.35	44.55	1	9.4	7.48	0.50	1.00	48	2.2	25.3	8.7	15	11	14	20
BA-P-302-115-96	2.78	NR	P	0.00	38.68	61.16	1	9.1	8.36	0.25	0.93	27	1.3	7.5	17.7	6	5	6	60
BA-P-312-309-96	3.64	NR	P	0.00	57.60	42.15	0	9.8	7.71	0.25	0.99	76	8.2	28.5	28.6	16	14	18	70
BA-P-313-204-95	3.52	NR	P	6.52	40.11	51.88	0	8.4	7.49	0.75	1.00	73	7.1	39.0	18.3	15	18	17	20
BA-P-313-215-95	3.56	NR	P	5.98	40.75	51.87	0	8.6	7.53	0.50	0.92	118	5.8	31.0	18.8	17	17	17	10
BA-P-315-301-96	3.71	NR	P	1.66	75.19	22.92	0	10	7.68	0.25	0.95	105	7.3	58.0	12.5	16	14	15	75

BA-P-320-304-97	3.92	NR	P	2.20	70.25	26.87	0	9.9	7.15	0.50	0.91	60	4.8	36.8	13.0	17	17	16	15
BA-P-322-203-96	3.81	NR	P	0.58	72.45	26.58	0	10.2	7.56	0.25	0.99	64	10.5	34.8	30.3	16	11	10	70
BA-P-331-315-95	4.32	NR	P	35.10	33.45	30.87	0	8.2	7.33	0.25	1.00	127	10.4	59.3	17.6	14	16	15	35
BA-P-333-303-96	3.77	NR	P	3.00	56.67	39.99	1	10.6	7.63	0.25	1.00	45	7.4	38.0	19.5	10	11	15	25
BA-P-340-214-96	2.79	I	P	0.00	86.39	13.13	0	10.2	7.26	0.00	0.88	50	1.7	20.5	8.4	12	13	14	50
BA-P-341-212-96	3.62	NR	P	0.89	75.01	23.83	0	10.4	7.74	0.50	0.99	60	5.5	33.3	16.6	12	11	15	65
BA-P-346-321-95	4.21	NR	P	14.13	30.66	53.37	0	10.2	8.34	0.25	0.99	62	9.5	34.3	27.7	17	16	15	50
BA-P-376-105-95	1.50	NR	P	55.06	5.40	39.92	0	8	7.25	0.25	1.00	30	1.7	9.0	18.3	8	7	10	40
BA-P-379-307-96	4.31	NR	P	0.39	65.95	33.33	0	9.8	7.62	0.25	0.95	92	10.7	67.8	15.8	17	16	18	30
BA-P-379-315-96	4.31	NR	P	0.39	65.88	33.40	0	9.7	8.07	0.25	0.88	82	11.6	53.3	21.7	17	15	17	30
BA-P-403-106-96	3.15	R	P	0.00	43.36	55.94	0	10.8	7.35	0.50	0.97	82	4.9	41.3	11.8	16	13	16	60
BA-P-409-102-96	1.89	NR	P	3.90	84.42	10.39	0	9.1	7.22	0.25	0.84	18	1.0	7.5	13.3	4	7	6	65
BA-P-410-203-96	3.49	NR	P	28.44	50.64	20.60	0	9.6	7.5	0.25	0.84	72	4.8	31.0	15.5	18	18	18	30
BA-P-415-119-95	2.72	NR	P	34.36	8.08	57.90	0	8.9	7.58	0.25	1.00	115	2.7	18.5	14.6	15	15	14	10
BA-P-418-207-96	2.96	I	P	0.00	91.92	7.19	0	9.8	7.3	0.00	0.69	39	1.8	23.5	7.6	8	7	12	70
BA-P-419-317-96	3.87	NR	P	1.07	51.96	45.96	0	9.4	7.98	0.50	0.89	60	5.5	30.0	18.2	16	13	16	60
BA-P-427-107-96	2.42	NR	P	0.00	65.65	33.97	0	10.3	7.02	0.25	0.87	63	3.4	22.8	14.7	14	13	11	45
BA-P-458-108-96	2.11	NR	P	0.00	62.31	38.46	0	9.9	7	0.25	0.91	15	1.0	7.5	13.7	7	6	10	70
BA-P-464-117-95	2.70	NR	P	57.75	10.10	31.52	0	7.8	7.52	0.25	0.97	62	2.2	20.5	10.6	13	12	13	15
BA-P-478-314-96	4.29	NR	P	31.80	35.70	31.87	1	7.7	7.78	0.25	0.93	94	14.8	81.5	18.2	9	18	5	95
BA-P-478-325-95	4.29	NR	P	31.76	35.84	31.77	0	9.1	8.02	0.25	1.00	100	11.2	51.0	21.9	16	17	6	20
BC-P-001-326-96	4.42	NR	P	41.49	28.41	29.53	1	8.7	8.29	0.25	1.00	90	7.6	56.3	13.6	20	13	19	30
BC-P-003-205-95	3.43	I	P	79.74	9.90	10.39	1	8.6	8.11	0.00	0.99	42	4.2	20.5	20.5	8	11	14	5
BC-P-003-228-96	3.44	I	P	80.02	9.90	10.01	1	6.6	7.34	0.00	0.96	58	8.1	21.5	37.6	15	13	15	10
BC-P-004-107-96	3.15	I	P	86.86	2.54	10.66	1	0.9	6.76	0.25	1.00	60	2.0	12.0	16.3	1	12	0	100
BC-P-005-306-96	3.67	I	P	74.89	10.15	14.64	1	8.1	7.86	0.25	0.92	56	4.5	31.3	14.3	15	17	18	60
BC-P-005-318-96	3.62	I	P	78.29	10.69	10.59	1	8.7	8.1	0.00	0.99	51	7.9	23.3	33.9	16	13	18	70
BELK-301-X-2000	4.59	NR	P	4.12	61.21	34.25	0	7.9	7.56	0.50	1.00	125	13.0	68.8	18.9	17	16	16	40
BRIG-105-R-2000	2.21	NR	P	0.00	81.78	18.22	0	8.3	7.03	0.50	0.96	21	1.6	10.5	15.0	7	7	11	20
BRIG-111-R-2000	2.75	NR	P	2.73	76.40	20.65	0	7.9	6.85	0.25	0.89	44	2.3	15.0	15.2	8	10	12	15
BRIG-115-R-2000	3.34	NR	P	0.00	63.56	36.41	0	7.9	7.07	0.50	0.84	109	6.3	51.5	12.2	12	13	11	35
BRIG-123-R-2000	2.85	NR	P	0.00	78.70	21.30	0	8	6.66	0.75	0.88	77	3.6	36.5	9.7	13	12	13	20
BRIG-131-R-2000	2.75	NR	P	0.06	78.31	21.07	0	8.4	7	0.50	0.76	72	2.9	11.5	25.0	13	12	14	20
BRIG-132-R-2000	2.33	NR	P	0.00	61.81	38.19	0	7.8	7.26	0.50	0.79	27	2.7	10.3	26.1	7	9	9	35
BRIG-206-R-2000	3.26	I	P	0.00	85.44	13.01	0	8.3	6.91	0.50	0.89	82	4.9	29.5	16.5	14	14	14	10
BRIG-212-R-2000	3.75	NR	P	0.01	72.58	26.46	0	8.2	7.14	0.25	1.00	84	5.8	26.8	21.5	15	14	15	20
BRIG-218-R-2000	3.31	NR	P	4.85	64.58	30.06	0	7.1	7.19	0.50	0.80	69	2.6	15.3	17.2	14	14	15	20
BRIG-307-R-2000	4.02	NR	P	1.27	62.04	36.50	0	8.2	7.08	1.00	0.99	137	8.2	55.3	14.8	16	18	16	30
BRIG-308-R-2000	3.72	NR	P	1.97	52.93	44.86	0	8.4	7.18	0.50	0.99	80	7.7	19.8	38.9	12	13	14	25
CE-P-003-312-97	3.46	NR	P	0.99	67.08	30.03	0	6.5	6.61	0.25	1.00	72	12.0	49.3	24.4	13	18	13	45
CE-P-004-102-96	3.16	NR	P	5.77	51.62	41.86	1	9	7.21	0.25	0.89	52	4.9	30.8	15.9	14	13	15	25
CE-P-006-1	3.35	NR	P	9.10	48.49	41.57	0	10.1	5.79	0.00	1.00	57	5.7	29.3	19.6	13	11	18	35
CE-P-006-4	3.35	NR	P	9.11	48.51	41.55	1	9.33	6.38	0.00	1.00	70	4.1	39.0	10.4	14	12	15	55
CE-P-009-303-96	4.47	NR	P	2.15	68.64	28.76	0	9.7	6.86	0.25	0.97	68	24.0	49.5	48.4	14	15	15	50
CE-P-009-305-96	4.49	NR	P	2.08	67.84	29.65	0	9.5	7.48	0.50	0.99	62	17.5	49.0	35.6	16	15	16	35

CE-P-012-210-96	3.70	NR	P	0.10	80.17	19.16	0	10.5	8.06	0.50	0.72	94	7.2	41.3	17.3	17	18	14	60
CE-P-012-212-96	3.69	NR	P	0.10	80.28	19.09	0	9.7	7.58	0.50	0.75	95	7.0	28.8	24.3	16	15	14	40
CE-P-019-210-97	3.86	NR	P	0.68	59.09	39.66	0	9.3	7.11	0.25	0.97	63	9.8	41.3	23.8	17	15	18	35
CE-P-020-118-96	2.98	NR	P	5.49	32.42	61.46	0	7.1	6.65	0.25	0.85	57	3.7	24.0	15.4	7	14	6	75
CE-P-022-301-97	4.45	NR	P	0.32	79.12	20.11	0	10	7.11	0.50	0.97	68	16.9	50.8	33.2	16	16	17	6
CE-P-022-316-97	4.44	NR	P	0.32	80.75	18.49	0	8.5	7.02	0.25	1.00	65	12.4	49.8	24.9	18	18	19	15
CE-P-022-319-97	4.44	NR	P	0.32	80.72	18.51	0	8.5	7.02	0.25	1.00	66	16.4	47.5	34.6	15	17	5	70
CE-P-023-201-97	3.40	NR	P	1.20	70.73	27.48	0	9.6	6.94	0.50	0.57	80	4.1	36.3	11.2	17	16	15	50
CE-P-038-205-96	4.03	NR	P	0.68	76.21	21.77	0	9.2	7.29	0.00	0.95	80	7.3	56.0	12.9	18	16	13	65
CE-P-038-209-96	4.06	NR	P	0.64	76.29	21.80	0	8.4	7.07	0.25	0.95	66	8.7	48.0	18.1	17	15	14	60
CE-P-046-207-96	4.18	NR	P	2.05	72.15	24.68	0	9.2	7.47	0.25	0.75	71	9.2	55.8	16.4	16	15	19	35
CE-P-046-214-96	4.18	NR	P	2.03	72.03	24.81	0	8.9	7.75	0.50	0.88	105	10.7	45.3	23.7	17	16	19	35
CE-P-051-108-97	2.26	NR	P	0.00	63.46	35.86	0	10.1	6.78	0.00	0.91	21	2.2	8.3	26.1	6	13	8	20
CE-P-056-307-97	3.78	NR	P	2.13	67.32	29.15	0	10.1	6.61	0.25	0.88	140	8.5	34.3	24.9	18	19	15	40
CE-P-066-117-97	2.77	I	P	0.06	85.71	13.41	0	5.4	6.88	0.00	0.96	50	2.7	23.8	11.5	11	11	11	60
CE-P-071-305-97	4.46	NR	P	0.31	78.46	20.79	0	8.8	6.61	0.25	1.00	96	23.0	63.0	36.5	18	15	17	15
CE-P-074-1	2.34	NR	P	10.92	43.64	43.91	0	8.46	6.43	0.25	0.96	35	2.4	9.0	26.9	15	12	15	15
CE-P-074-2	2.82	NR	P	31.06	29.85	37.64	0	8.8	6.41	0.25	1.00	55	2.6	25.8	9.9	11	8	14	20
CE-P-078-1	3.02	NR	P	0.00	65.99	33.20	0	8.9	5.28	0.25	0.81	85	4.3	17.8	24.2	11	8	14	25
CE-P-078-109-97	2.69	NR	P	0.00	63.50	35.87	0	9.9	6.8	0.25	0.92	42	4.9	15.5	31.5	10	15	11	50
CE-P-078-2	2.39	NR	P	0.00	61.45	38.55	0	8.1	6.48	0.50	0.81	50	2.2	16.5	13.3	11	8	15	20
CE-P-081-106-96	4.14	NR	P	3.53	68.82	27.04	0	9.8	7.26	0.25	0.97	65	10.0	49.8	20.1	16	15	17	25
CE-P-081-114-96	4.25	NR	P	4.24	62.94	32.21	1	9.6	7.87	0.50	0.99	50	14.2	35.8	39.7	16	10	16	25
CE-P-085-109-96	2.34	NR	P	1.38	56.22	41.94	0	10.2	7.07	0.50	0.63	56	2.1	19.3	10.8	13	14	11	80
CE-P-999-105-96	2.95	NR	P	2.26	56.66	39.95	0	9.3	6.86	0.25	0.93	102	3.5	48.3	7.3	13	15	7	65
CR-P-003-316-95	3.60	NR	P	1.83	78.31	18.96	0	8.3	7.09	0.25	1.00	52	5.0	20.0	25.1	11	11	13	25
CR-P-013-108-96	2.02	NR	P	0.00	59.62	41.35	0	12.2	7.1	0.25	0.79	34	1.6	17.3	9.4	10	11	11	20
CR-P-019-201-96	3.52	NR	P	0.57	78.64	19.53	0	8.5	7.07	0.25	0.56	83	3.4	31.5	10.8	16	16	14	50
CR-P-019-248-96	3.36	NR	P	0.04	80.64	18.06	0	8.7	6.95	0.50	0.73	66	3.5	25.5	13.5	16	14	12	65
CR-P-020-208-96	3.12	NR	P	6.60	67.60	24.73	0	8.9	6.9	0.25	0.77	54	3.6	24.3	14.8	14	16	13	60
CR-P-021-329-96	4.03	NR	P	0.11	77.88	21.37	0	9.6	7.9	0.25	1.00	66	5.2	46.5	11.1	10	18	7	17
CR-P-026-109-96	2.91	NR	P	1.71	80.10	18.07	1	10.4	6.74	0.50	0.99	52	2.8	33.3	8.4	11	13	15	30
CR-P-035-216-96	3.69	NR	P	0.52	74.45	23.61	0	9.4	8.14	0.25	0.96	108	4.4	23.5	18.5	15	15	15	50
CR-P-038-227-95	3.58	I	P	15.50	78.70	4.98	1	7.8	7.81	0.25	1.00	74	6.1	23.5	25.7	16	11	14	15
CR-P-047-316-96	4.24	NR	P	0.45	69.21	29.99	0	11.1	7.46	0.00	0.91	46	9.4	32.3	29.1	15	15	20	25
CR-P-050-106-95	2.52	I	P	0.00	90.02	9.13	0	9.2	7.58	0.75	0.77	46	1.5	18.5	8.1	8	8	10	10
CR-P-070-314-96	4.01	NR	P	0.57	68.88	30.14	0	9.6	7.74	0.50	0.92	52	5.2	40.0	13.1	13	11	16	60
CR-P-077-309-95	4.14	NR	P	5.31	67.95	26.19	0	9.2	8.35	0.25	1.00	111	13.4	87.0	15.3	17	18	17	10
CR-P-079-209-96	3.58	NR	P	0.67	83.17	15.55	0	8.3	7.58	0.25	0.73	120	5.4	27.8	19.5	15	15	16	20
CR-P-084-309-96	3.99	NR	P	0.65	77.05	21.64	0	9.3	7.36	0.25	1.00	130	10.1	58.0	17.5	20	19	16	30
CR-P-086-313-96	4.08	NR	P	0.77	72.37	26.04	0	9.2	7.17	0.50	1.00	82	12.5	59.3	21.1	17	16	18	20
CR-P-086-325-96	4.07	NR	P	0.80	72.32	26.01	0	9.6	7.07	0.25	0.79	110	7.2	58.3	12.3	17	13	18	10
CR-P-094-349-96	3.87	NR	P	8.31	73.02	17.92	0	9.4	7.47	0.25	0.99	77	4.9	21.3	23.1	16	13	17	20
CR-P-112-122-95	2.00	I	P	10.62	81.88	6.85	0	8.5	7.42	0.25	0.93	39	1.2	15.0	8.0	8	8	10	10
CR-P-115-111-95	2.63	NR	P	0.24	62.90	36.74	0	8.3	7.51	0.25	0.80	62	2.3	18.5	12.6	13	14	12	20

CR-P-116-316-96	4.32	NR	P	2.55	81.76	14.69	0	9.6	7.78	0.25	0.95	100	12.4	65.5	18.9	16	18	11	55
CR-P-116-327-96	4.32	NR	P	2.54	81.71	14.75	0	7.5	7.25	0.25	0.92	60	15.0	44.3	33.8	17	17	14	40
CR-P-120-232-96	3.86	NR	P	4.99	67.81	26.57	0	9.8	7.16	0.50	0.99	100	8.0	51.8	15.5	18	16	18	10
CR-P-138-116-95	2.44	I	P	0.00	95.63	4.48	0	8.1	7.46	0.75	0.99	23	1.4	7.5	18.7	7	6	10	15
CR-P-142-324-96	4.08	NR	P	1.93	81.45	15.36	0	10.7	8.61	0.00	0.83	63	10.6	44.5	23.7	15	17	10	85
CR-P-143-218-95	3.43	NR	P	0.84	76.11	22.71	0	9.1	7.39	0.00	1.00	29	3.7	17.8	20.7	9	8	14	50
CR-P-149-118-96	3.05	NR	P	6.49	71.64	21.78	0	8.9	6.78	0.25	0.92	57	3.4	35.3	9.5	11	14	16	15
CR-P-152-318-95	4.51	NR	P	2.06	72.48	24.90	0	8.1	7.56	0.00	1.00	50	12.0	41.5	28.8	11	16	18	50
CR-P-156-314-96	3.84	NR	P	3.18	82.66	13.21	0	9.3	7.23	0.00	0.80	100	5.9	33.5	17.7	13	17	13	18
CR-P-156-361-96	3.84	NR	P	3.19	82.63	13.22	0	9.3	7.43	0.25	0.97	90	5.5	50.8	10.8	13	17	14	17
CR-P-158-123-96	1.98	I	P	0.00	96.84	4.21	1	8.1	7.63	0.25	0.95	17	0.8	5.8	14.3	6	6	10	75
CR-P-162-207-96	3.08	NR	P	1.67	83.81	13.69	0	9.1	7.58	0.25	0.93	69	4.1	16.8	24.6	16	13	15	25
CR-P-166-221-95	3.24	NR	P	0.19	68.41	30.80	0	9.53	7.48	0.50	1.00	38	4.3	19.0	22.5	10	11	18	13
CR-P-171-306-96	4.10	NR	P	0.51	70.96	28.15	0	9.7	7.42	0.25	0.96	65	8.5	42.3	20.1	16	13	16	65
CR-P-175-113-95	2.48	NR	P	0.23	71.92	26.97	0	9	7.43	0.50	0.97	41	1.6	11.8	13.2	8	10	15	5
CR-P-180-124-96	2.85	NR	P	0.14	81.41	17.32	0	8	7.17	0.25	0.91	51	2.5	18.0	13.9	11	11	11	35
CR-P-193-311-96	3.92	NR	P	4.61	69.32	25.88	1	8.8	7.34	0.00	0.99	92	8.3	42.5	19.5	18	17	17	35
CR-P-197-211-95	3.43	NR	P	0.59	74.61	23.73	0	9	7.49	0.25	0.88	90	4.6	36.0	12.8	16	15	17	15
CR-P-205-319-96	4.55	NR	P	0.71	73.37	25.13	0	10.4	8.1	0.25	1.00	75	15.5	58.0	26.7	18	17	17	15
CR-P-215-127-96	2.48	NR	P	0.00	73.09	26.25	0	10.3	7.35	0.25	0.71	74	2.5	32.5	7.6	13	14	12	15
CR-P-224-226-95	3.32	NR	P	3.51	68.25	28.13	1	7.4	7.46	0.50	1.00	39	3.3	14.8	22.5	7	8	8	30
CR-P-234-216-96	3.20	NR	P	1.85	81.01	16.06	1	9.2	6.86	0.00	0.97	76	3.3	35.3	9.4	14	12	15	80
CR-P-240-225-95	3.57	NR	P	0.69	72.38	26.09	0	8.2	7.36	0.50	0.95	105	4.1	34.3	11.8	17	15	11	35
CR-P-242-224-96	4.11	NR	P	1.63	78.48	19.58	0	9.1	7.41	0.25	0.97	72	12.9	45.0	28.7	18	16	18	10
CR-P-243-333-96	4.11	NR	P	0.82	74.94	23.93	0	9.1	7.73	0.50	0.89	130	7.6	87.0	8.7	18	18	17	35
CR-P-249-103-96	2.29	I	P	0.00	88.32	12.18	0	9	7.09	0.25	0.88	31	1.0	6.3	16.0	7	11	8	50
CR-P-249-113-96	2.08	I	P	0.00	87.39	11.76	0	5.9	6.37	0.25	0.95	15	0.7	5.8	12.2	6	11	2	50
CR-P-260-210-96	3.23	NR	P	11.70	72.77	15.59	0	8.6	7.26	0.25	0.89	43	2.4	25.8	9.2	10	15	12	65
CR-P-260-212-95	3.24	NR	P	11.86	72.47	15.65	0	8.1	7.04	0.25	0.87	43	2.2	26.8	8.2	10	16	13	15
CR-P-263-332-96	3.82	NR	P	9.19	71.73	18.49	0	12.4	8.11	0.00	1.00	64	8.4	39.3	21.5	8	17	0	45
CR-P-270-104-95	2.88	NR	P	0.00	81.78	17.70	0	8.3	7.21	0.75	1.00	59	2.6	16.3	16.2	12	12	15	10
CR-P-274-104-96	2.49	I	P	0.00	90.29	8.74	0	8.95	7.28	0.50	0.92	51	2.0	18.8	10.5	11	12	11	35
CR-P-280-340-96	4.35	NR	P	0.86	73.42	25.09	0	8.5	7.33	0.50	0.83	120	9.0	66.0	13.6	17	18	16	40
CR-P-281-127-95	2.86	NR	P	7.11	68.90	23.27	0	5.7	7.78	0.25	0.99	58	3.1	15.8	19.8	11	11	13	20
CR-P-284-328-96	4.41	NR	P	0.84	74.00	24.49	0	7.5	7.85	0.25	0.85	120	10.6	68.0	15.6	19	19	17	27
CR-P-294-124-95	2.52	NR	P	2.90	82.00	13.87	0	8.86	7.49	0.00	1.00	50	1.3	19.0	6.8	12	11	11	30
CR-P-295-128-96	2.46	I	P	18.56	76.29	5.16	0	5.9	7.72	0.00	0.73	20	0.7	10.5	6.9	6	11	6	90
CR-P-318-338-96	3.95	NR	P	0.47	79.16	19.01	0	7.9	7.62	0.25	0.92	53	9.3	36.5	25.3	18	15	18	10
CR-P-323-326-96	4.53	NR	P	0.73	73.08	25.42	0	10.7	8.55	0.25	1.00	63	17.2	54.5	31.6	17	18	17	34
CR-P-330-201-96	3.83	NR	P	2.79	83.03	13.84	0	9.2	7.25	0.25	1.00	42	9.1	29.0	31.2	10	12	17	15
CR-P-330-229-96	3.80	NR	P	3.01	83.89	12.80	0	10.2	7.84	0.25	0.92	103	7.4	36.5	20.1	16	15	16	30
CR-P-341-121-96	2.96	NR	P	5.25	77.02	17.72	0	9.5	6.85	0.25	0.96	50	1.9	26.5	7.0	11	13	18	10
CR-P-344-219-96	3.37	NR	P	0.43	81.56	17.21	0	10.4	7.07	0.00	1.00	43	2.9	30.8	9.3	8	12	17	50
CR-P-345-321-96	4.25	NR	P	0.70	68.88	30.03	0	9	7.72	0.25	1.00	141	12.7	59.8	21.2	19	19	19	10
CR-P-362-302-95	4.06	NR	P	3.76	67.96	25.07	0	9.2	8.29	0.25	1.00	70	9.8	40.5	24.3	15	17	16	15

CR-P-362-304-95	4.06	NR	P	3.76	67.95	25.07	0	8.8	7.86	0.25	1.00	76	5.9	31.5	18.7	17	14	19	5
CR-P-362-310-96	4.07	NR	P	3.66	65.82	27.42	0	7.9	7.03	0.25	0.93	92	9.2	39.5	23.2	14	10	13	23
CR-P-362-317-95	3.99	NR	P	4.05	71.37	20.84	0	7.6	7.05	0.25	1.00	52	8.0	33.3	24.1	13	16	14	10
CR-P-363-212-96	3.89	NR	P	3.33	70.39	21.65	0	7.9	7.09	0.50	0.91	82	6.0	46.0	13.0	18	16	17	60
CR-P-363-230-96	3.85	NR	P	1.62	70.95	22.33	0	7.8	7.14	0.25	0.93	107	5.9	44.0	13.3	17	18	17	60
CR-P-365-219-96	3.68	NR	P	1.33	78.26	18.93	0	8.5	7.76	0.00	0.35	93	3.1	33.8	9.1	13	14	14	25
CR-P-374-343-96	3.85	NR	P	0.38	79.65	18.32	0	9.9	7.49	0.00	0.84	125	5.9	37.0	15.8	14	15	12	25
CR-P-376-104-96	2.70	NR	P	8.71	78.81	12.28	0	9.1	7.36	0.25	0.97	54	2.9	29.0	9.9	15	16	17	20
CR-P-376-119-96	2.66	NR	P	9.01	80.44	10.11	1	9.6	7.31	0.25	0.99	82	3.0	17.8	17.0	14	17	16	15
CR-P-379-123-96	2.15	I	P	0.00	90.78	8.51	1	9.5	6.26	0.00	0.89	53	0.9	9.8	9.0	11	12	8	80
CR-P-398-222-95	3.58	NR	P	0.98	75.29	22.96	0	8.2	7.46	0.25	0.99	91	5.7	38.0	14.9	15	18	15	10
CR-P-400-144-96	2.06	I	P	5.26	85.96	8.77	0	6.7	6.65	0.25	1.00	15	0.7	2.8	26.4	6	1	6	80
CR-P-402-121-95	3.29	I	P	2.84	86.97	9.36	0	8.7	7.22	0.50	0.97	66	5.7	33.0	17.3	15	16	15	5
CR-P-403-112-96	2.30	NR	P	0.00	82.83	17.68	0	10.6	6.99	0.75	0.95	23	1.1	7.0	16.1	10	7	13	10
CR-P-406-102-96	2.63	I	P	0.00	90.52	9.48	0	7.1	7.23	0.25	0.97	43	2.0	27.5	7.1	10	11	11	35
CR-P-409-320-96	4.50	NR	P	3.19	73.90	22.39	0	9.6	7.39	0.00	1.00	88	17.1	63.0	27.2	17	19	1	45
CR-P-415-103-96	2.07	I	P	0.00	86.32	13.68	0	9.4	6.4	0.25	0.83	22	1.4	9.8	14.4	7	15	10	90
CR-P-419-214-95	3.81	NR	P	0.94	72.79	25.73	0	8.6	7.24	0.25	1.00	97	8.0	32.0	25.0	15	14	17	25
CR-P-419-227-96	3.79	NR	P	0.96	73.10	25.36	0	9.6	7.2	0.50	0.83	120	7.2	52.0	13.8	16	16	16	15
CR-P-434-138-96	2.19	NR	P	0.00	80.13	20.51	0	7.7	7.4	0.50	0.88	27	2.7	14.0	19.3	6	11	6	80
CR-P-999-323-95	3.79	NR	P	4.78	71.54	23.46	0	9.2	7.27	0.25	1.00	55	7.4	22.3	33.0	15	14	18	10
CR-P-999-323-96	3.81	NR	P	4.52	71.03	24.25	0	9.4	7.16	0.25	0.88	88	8.7	45.8	19.0	18	18	19	15
FR-P-005-141-96	2.74	NR	P	3.99	26.32	69.87	1	11.5	6.9	0.25	0.96	81	2.2	21.0	10.5	13	15	5	100
FR-P-009-341-96	3.83	NR	P	1.51	63.50	34.09	0	8.6	7.52	0.50	0.99	73	5.7	23.5	24.3	13	15	14	20
FR-P-009-347-96	3.78	NR	P	0.56	63.06	35.36	0	9.6	7.94	0.50	1.00	74	6.7	30.5	22.0	13	15	13	20
FR-P-015-304-96	4.22	NR	P	1.71	70.80	26.94	0	9.3	7.35	0.50	0.69	135	10.8	59.5	18.1	18	19	14	20
FR-P-034-228-96	3.69	NR	P	0.12	1.29	98.24	1	8.7	6.87	0.25	1.00	52	7.6	32.3	23.6	12	12	16	73
FR-P-038-139-96	3.16	R	P	0.00	0.63	98.47	0	9.3	7.2	0.25	0.97	37	2.1	20.0	10.6	10	10	17	35
FR-P-046-227-96	3.29	I	P	0.10	87.95	10.17	0	8.6	7.42	0.00	0.80	50	2.4	31.5	7.7	13	15	13	40
FR-P-050-354-96	3.65	NR	P	0.41	58.79	38.35	0	8.6	6.78	0.00	0.79	102	5.6	40.5	13.8	17	17	17	20
FR-P-093-237-96	3.89	R	P	0.05	9.57	89.35	0	9.5	7.04	0.00	0.93	36	3.0	16.8	17.6	9	11	11	60
FR-P-093-238-96	3.89	R	P	0.05	9.74	89.19	0	9.5	7.04	0.00	0.97	42	4.4	27.3	16.1	8	17	5	60
FR-P-100-117-96	2.64	R	P	0.46	38.53	59.63	0	8.8	7.11	0.00	0.92	38	1.9	19.0	10.1	9	10	11	60
FR-P-101-233-96	3.70	NR	P	2.03	80.00	16.91	1	9.9	7.34	0.25	0.96	58	4.0	36.8	11.0	14	11	18	30
FR-P-103-230-96	3.41	NR	P	4.20	63.93	31.25	1	10.1	7.34	0.25	0.91	38	3.5	24.5	14.2	7	8	11	50
FR-P-111-134-96	2.50	I	P	0.00	94.92	5.08	0	8.6	7.31	0.00	0.53	41	1.1	11.3	9.8	6	16	8	90
FR-P-116-221-96	3.33	NR	P	0.19	55.52	43.73	0	9.9	7.62	0.00	1.00	48	8.5	21.5	39.5	9	14	11	40
FR-P-132-320-96	3.85	R	P	0.24	15.07	83.79	0	9.5	6.92	0.25	0.96	58	10.0	36.5	27.4	12	16	16	50
FR-P-156-217-96	3.64	NR	P	0.25	64.97	33.79	0	9.9	7.57	0.75	1.00	58	6.0	35.3	17.0	11	11	16	25
FR-P-156-231-96	3.66	NR	P	0.22	63.82	34.91	0	10.1	7.47	0.25	1.00	82	5.3	53.3	10.0	16	14	15	25
FR-P-156-234-96	3.69	NR	P	0.19	62.96	35.91	0	9.2	6.92	0.25	0.84	138	7.4	56.0	13.1	16	18	15	15
FR-P-156-252-96	3.61	NR	P	0.24	65.54	33.17	0	10	7.38	0.25	0.79	96	6.3	51.0	12.3	16	16	15	25
FR-P-168-218-96	3.43	NR	P	7.97	73.26	17.36	1	9	7.67	0.25	0.93	38	3.2	29.5	10.8	9	16	13	100
FR-P-214-303-96	4.40	NR	P	0.40	44.61	54.30	0	7.6	6.71	0.25	1.00	106	12.0	51.8	23.2	14	19	16	55
FR-P-214-342-96	4.41	NR	P	0.39	45.07	53.86	0	8.7	6.33	0.25	1.00	87	21.4	33.5	63.8	16	15	12	60

FR-P-223-225-96	3.59	NR	P	0.15	82.51	16.96	0	9.7	7.82	0.25	0.91	108	6.4	47.3	13.5	18	18	16	12
FR-P-223-240-96	3.55	NR	P	0.17	83.64	15.69	0	9.2	7.36	0.00	0.83	56	4.4	35.3	12.4	12	13	11	40
FR-P-258-202-96	3.71	NR	P	0.51	73.92	23.16	0	8.1	6.58	0.25	0.95	106	8.3	65.5	12.6	17	17	12	80
FR-P-258-215-96	3.67	NR	P	0.58	73.38	23.36	0	8.9	6.49	0.25	1.00	59	10.9	31.0	35.1	16	16	16	100
FR-P-258-243-96	3.70	NR	P	0.52	73.86	23.21	0	7.6	6.74	0.25	0.95	109	8.3	69.5	12.0	17	18	15	75
FR-P-261-122-96	2.86	NR	P	2.92	81.64	15.02	0	8.1	7.25	0.25	0.91	29	1.6	18.0	8.6	6	16	11	65
FR-P-263-311-96	4.01	NR	P	2.95	70.22	25.85	0	9.3	6.85	0.25	0.96	90	7.7	45.3	17.1	12	16	16	50
FR-P-265-335-96	4.21	R	P	0.93	40.65	57.30	0	9	7.93	0.25	0.97	89	11.4	52.0	21.8	16	18	17	30
FR-P-265-351-96	4.20	R	P	0.94	40.65	57.28	0	9.3	8.24	0.25	0.97	72	12.9	53.8	24.0	18	18	19	25
FR-P-275-239-96	3.49	NR	P	4.57	64.25	30.50	0	9.6	7.3	0.25	0.96	89	4.2	25.3	16.5	16	12	17	20
FR-P-277-115-96	2.82	NR	P	1.81	57.01	40.87	0	7.5	7.15	0.00	0.72	36	1.3	14.3	9.3	7	11	8	65
FR-P-288-133-96	3.02	NR	P	4.34	6.94	88.62	0	8.7	8.17	0.25	0.97	54	3.8	24.0	15.6	14	16	14	55
FR-P-290-121-96	2.65	NR	P	2.72	53.39	42.53	0	7.6	6.83	0.25	0.76	49	1.0	18.8	5.2	7	5	2	100
FR-P-294-313-96	4.17	NR	P	4.56	29.30	65.49	1	7.8	7.74	0.25	1.00	74	10.4	58.8	17.7	7	17	11	50
FR-P-294-357-96	4.16	NR	P	4.63	28.25	66.43	0	7.6	7.27	0.50	0.97	64	13.0	47.8	27.1	15	16	9	68
FR-P-298-308-96	4.29	R	P	0.24	38.97	60.03	0	7.6	6.66	0.50	1.00	76	13.9	49.8	28.0	16	15	17	40
FR-P-300-130-96	2.92	I	P	0.12	94.60	4.20	0	5.2	7	0.50	0.87	41	3.3	14.5	22.8	9	6	5	100
FR-P-302-334-96	4.00	R	P	0.23	17.92	81.50	0	8.6	6.48	0.25	1.00	79	9.5	28.3	33.6	16	16	14	60
FR-P-319-352-96	4.23	R	P	0.24	31.93	67.04	0	9.3	6.19	0.00	1.00	100	15.4	76.5	20.2	16	17	17	35
FR-P-321-214-96	3.65	NR	P	2.42	70.27	26.52	0	8.6	7.8	0.25	0.96	90	3.9	34.8	11.1	17	17	18	19
FR-P-335-110-96	2.70	I	P	21.71	72.71	4.98	0	5.8	7.57	0.25	0.75	56	1.8	37.0	4.9	7	16	4	80
FR-P-349-204-96	3.55	NR	P	3.51	53.48	42.66	0	9.2	8.75	0.25	0.95	42	4.3	33.5	12.9	9	11	12	55
FR-P-351-112-96	2.24	I	P	0.00	95.35	1.74	0	7.5	6.91	0.50	0.99	85	2.0	43.3	4.6	11	17	6	80
FR-P-354-321-96	4.11	NR	P	2.39	73.68	22.85	0	7.8	7.1	0.25	0.97	102	8.6	45.8	18.9	16	18	12	80
FR-P-360-220-96	2.93	NR	P	2.49	83.65	12.91	0	7.6	7.16	0.25	0.60	79	3.3	15.5	21.3	12	15	12	45
FR-P-371-132-96	2.88	I	P	0.00	93.93	5.94	0	6.3	7.26	0.25	0.91	33	3.4	14.0	24.1	8	13	8	70
FR-P-377-242-96	3.80	NR	P	1.49	62.84	35.36	0	9.2	8.3	0.25	0.99	95	7.3	33.0	22.2	16	15	13	31
FR-P-388-208-96	3.48	NR	P	1.12	57.74	40.51	0	10.2	7.4	0.50	0.99	85	4.2	34.8	12.0	15	14	13	50
FR-P-388-246-96	3.44	NR	P	1.24	57.05	41.05	0	8.5	6.79	0.25	1.00	39	5.8	21.5	26.7	9	11	14	15
FR-P-394-317-96	3.61	NR	P	0.44	57.49	39.51	0	8.5	7.36	0.00	0.56	122	6.3	46.0	13.7	17	17	16	25
FR-P-399-126-96	2.36	NR	P	0.00	73.25	26.32	0	9.9	6.73	0.50	0.89	39	1.3	12.5	10.0	8	11	13	50
FR-P-409-210-96	3.20	NR	P	0.13	63.51	36.05	0	11.6	7.81	0.00	0.91	72	3.5	35.3	9.9	11	7	7	55
FR-P-411-305-96	3.81	NR	P	0.80	67.75	30.70	0	8.9	7.35	0.50	1.00	88	6.9	51.0	13.6	16	15	17	15
FR-P-421-306-96	4.28	NR	P	3.56	63.11	32.28	1	8.3	6.99	0.25	0.93	120	10.8	74.0	14.5	18	19	17	55
FR-P-429-307-96	3.88	NR	P	4.80	61.53	33.11	1	9.6	7.56	0.25	1.00	88	7.0	55.0	12.8	13	18	9	60
FR-P-461-251-96	3.63	NR	P	1.04	61.11	37.30	0	9.4	8.07	0.25	0.85	80	5.4	35.8	15.2	14	17	11	35
FR-P-462-346-96	3.33	I	P	0.09	85.34	14.33	0	11.5	7.39	0.25	0.88	51	2.4	30.8	7.8	11	13	12	35
FR-P-474-302-96	4.15	NR	P	0.43	78.88	19.26	0	9	7.51	0.00	0.91	85	7.1	54.5	13.1	18	17	18	65
FR-P-479-348-96	3.93	NR	P	0.15	12.79	86.82	1	8.4	7.88	0.25	1.00	70	9.4	38.8	24.3	16	14	18	30
FR-P-516-235-96	3.34	NR	P	1.18	63.78	34.59	0	7.5	6.87	0.25	0.77	50	3.7	21.8	16.9	12	15	12	65
FR-P-545-325-96	4.08	NR	P	5.35	59.08	34.28	0	9.6	7.26	0.25	0.97	105	10.2	58.8	17.3	18	18	17	15
FR-P-545-345-96	4.08	NR	P	5.37	59.03	34.31	0	9.3	7.08	0.25	1.00	83	10.5	36.0	29.2	16	14	18	15
FURN-101-C-2000	2.87	R	P	0.08	10.93	86.36	0	8.5	6.72	0.50	0.64	51	3.6	20.8	17.5	14	14	15	10
GWYN-301-X-2000	4.32	NR	P	41.93	20.89	36.64	1	10.5	8.24	0.25	0.97	51	12.7	31.5	40.4	9	11	18	40
GWYN-302-X-2000	3.48	NR	P	27.61	51.13	21.00	1	8	8.05	0.50	0.97	106	5.3	62.3	8.4	15	16	16	20

HA-P-001-205-96	3.62	NR	P	1.63	55.56	42.50	0	9.2	7.52	0.50	0.81	79	5.3	37.5	14.0	16	15	15	50
HA-P-005-206-97	3.41	NR	P	0.19	77.78	21.81	0	10.1	6.56	0.25	0.80	73	3.6	39.0	9.1	14	17	13	20
HA-P-008-1	3.54	NR	P	0.05	57.77	41.85	0	11.1	5.81	0.50	0.92	83	6.5	25.8	25.2	11	8	15	30
HA-P-008-3	3.65	NR	P	0.17	52.68	46.88	0	9.88	6.81	0.25	1.00	38	7.7	23.0	33.3	9	14	16	10
HA-P-010-103-97	2.99	NR	P	0.56	62.58	36.94	0	9.6	5.97	0.25	0.83	52	3.4	16.8	20.0	11	16	8	10
HA-P-012-205-97	3.30	NR	P	0.33	62.69	36.16	0	10.6	7.34	0.50	0.71	86	3.4	25.8	13.3	17	16	16	30
HA-P-013-101-97	2.94	NR	P	4.08	42.48	53.37	0	9.5	6.75	0.25	0.97	28	4.2	22.5	18.6	7	13	11	10
HA-P-033-203-97	3.91	NR	P	1.04	66.07	32.18	0	9.6	6.76	0.50	0.91	110	6.3	41.3	15.3	19	17	18	15
HA-P-033-212-97	3.95	NR	P	0.94	66.08	32.32	0	10.6	6.51	0.25	0.97	96	8.8	43.8	20.1	17	19	5	40
HA-P-035-208-97	4.37	NR	P	1.59	67.14	30.75	0	9.7	6.77	0.25	0.99	48	4.8	31.0	15.5	8	13	16	40
HA-P-037-104-97	2.30	I	P	0.00	87.67	12.67	0	9.8	6.2	0.25	0.99	42	2.0	19.8	10.0	8	15	10	30
HA-P-038-106-96	2.84	NR	P	17.23	44.09	38.54	0	9.7	7.73	0.50	0.89	97	3.3	19.5	16.8	15	15	14	60
HA-P-041-1	2.63	NR	P	0.07	71.50	28.26	0	8.8	6.18	0.25	0.99	25	1.7	13.8	12.1	10	9	12	25
HA-P-041-2	2.39	I	P	0.00	85.90	14.10	0	5.3	5.26	0.25	0.97	37	0.4	3.5	11.4	4	3	6	75
HA-P-062-207-96	3.44	NR	P	15.33	56.53	27.78	0	8.9	7.61	0.25	0.77	118	10.3	70.8	14.6	6	16	0	90
HA-P-068-114-97	3.05	NR	P	0.27	78.74	20.71	0	9.8	6.71	0.25	0.65	105	3.7	30.5	12.1	13	18	14	15
HA-P-071-1	3.87	NR	P	0.79	74.92	23.41	0	9.3	6.31	0.25	1.00	85	7.2	40.8	17.6	18	17	17	20
HA-P-071-2	3.91	NR	P	0.72	75.10	23.35	0	8.91	5.9	0.25	0.99	130	7.7	50.5	15.2	15	15	17	20
HA-P-071-318-97	3.87	NR	P	0.78	75.02	23.29	0	11.1	7.23	0.50	0.91	95	6.1	46.5	13.1	18	16	16	40
HA-P-078-4	2.93	I	P	0.17	87.68	11.84	0	9.3	6.55	0.00	0.89	62	2.4	20.0	11.9	17	16	14	40
HA-P-078-6	2.79	I	P	0.23	92.91	6.42	0	8.3	6.53	0.25	0.92	95	4.3	19.5	22.1	16	16	15	65
HA-P-087-1	3.49	NR	P	1.92	73.46	24.19	0	8.45	6.72	0.00	0.97	60	4.3	29.8	14.5	14	13	14	35
HA-P-087-2	3.45	NR	P	2.13	75.69	21.70	0	10	6.47	0.25	0.92	120	4.2	28.3	14.7	18	19	18	25
HA-P-087-207-97	3.44	NR	P	2.13	76.10	21.32	0	10.5	6.89	0.00	0.88	91	4.8	38.5	12.4	17	17	14	40
HA-P-099-102-97	1.99	NR	P	0.00	20.45	78.32	1	7.7	8.04	0.25	0.87	22	0.8	4.3	18.8	1	5	1	50
HA-P-100-204-97	3.62	NR	P	0.24	72.63	26.06	0	9.2	6.73	0.50	0.92	77	5.5	42.5	12.9	18	18	16	40
HA-P-116-109-96	2.74	NR	P	5.28	43.17	51.37	0	9.8	7.47	0.25	0.71	88	5.2	32.0	16.1	14	15	14	60
HA-P-128-104-96	2.75	I	P	0.53	85.64	12.94	0	11.7	6.68	0.50	0.83	29	1.0	8.0	11.9	8	7	8	75
HA-P-131-1	3.45	NR	P	0.05	56.60	43.01	0	8.4	5.86	0.00	0.93	80	2.9	52.5	5.5	13	12	12	10
HA-P-131-3	3.44	NR	P	0.05	58.00	41.60	0	7.2	6	0.00	1.00	55	4.5	40.3	11.2	11	13	11	60
HA-P-133-111-97	2.74	NR	P	0.00	50.14	49.53	0	9.8	7.47	0.00	0.97	33	1.4	20.3	7.0	7	10	16	40
HA-P-138-302-97	4.26	NR	P	0.52	62.54	35.70	0	9.4	6.31	0.25	1.00	93	12.7	58.0	21.9	13	15	5	95
HA-P-141-302-96	4.13	NR	P	1.30	57.73	40.66	0	10.5	7.31	0.25	0.97	101	9.9	41.0	24.1	18	14	19	50
HA-P-141-303-96	4.10	NR	P	1.23	58.31	40.14	0	9.6	7.47	0.25	0.88	77	13.4	39.3	34.0	15	15	14	40
HA-P-142-105-97	2.49	NR	P	0.22	67.61	31.04	0	9.3	6.04	0.25	0.80	35	1.6	8.0	19.4	8	10	10	50
HA-P-151-102-96	3.08	NR	P	46.34	31.60	21.89	0	9.5	7.18	0.00	1.00	47	4.0	13.3	30.0	6	6	10	65
HA-P-156-112-97	2.44	NR	P	6.74	52.19	41.07	0	8.9	6.44	0.25	0.84	64	2.3	19.5	11.5	13	17	14	10
HA-P-164-306-96	3.84	NR	P	21.76	51.29	26.65	1	10.2	7.63	0.00	0.95	75	11.2	48.5	23.1	13	13	13	80
HA-P-174-2	4.02	NR	P	0.56	70.92	27.54	0	8.98	6.47	0.25	0.93	110	8.6	66.8	12.8	18	19	17	20
HA-P-174-4	4.02	NR	P	0.56	70.91	27.55	0	8.3	6.31	0.50	1.00	104	8.0	49.0	16.2	18	15	19	20
HA-P-178-202-97	3.61	NR	P	0.13	72.70	26.88	0	10	6.44	0.25	0.99	61	8.3	35.0	23.6	14	12	16	20
HA-P-178-209-97	3.68	NR	P	0.11	66.30	33.34	0	9.4	6.16	0.25	1.00	91	9.8	36.3	27.0	18	16	18	15
HA-P-180-107-97	3.14	I	P	2.80	85.74	10.68	0	9.6	6.56	0.00	0.92	74	3.4	31.3	11.0	12	17	14	30
HA-P-186-308-97	4.18	NR	P	0.39	65.98	32.17	0	9.7	6.58	0.25	0.97	102	9.8	65.8	14.9	18	16	5	40
HA-P-205-1	2.69	NR	P	2.56	37.25	59.49	0	9.7	5.86	0.25	0.91	64	2.3	31.0	7.5	11	8	10	25

HA-P-205-2	2.91	NR	P	2.83	30.31	66.43	0	9.12	6.55	0.25	0.88	68	4.0	21.5	18.7	13	14	14	30
HA-P-207-1	3.66	NR	P	1.31	74.63	23.64	0	8.88	6.54	0.00	0.72	90	4.5	51.3	8.7	16	15	15	50
HA-P-207-2	3.67	NR	P	1.29	74.71	23.59	0	9.24	6.24	0.25	0.83	73	6.9	49.8	13.9	16	13	15	40
HA-P-214-211-97	3.29	NR	P	0.14	54.05	45.64	0	10.5	6.67	0.25	0.93	85	6.5	30.3	21.3	16	17	15	25
HA-P-216-1	2.40	R	P	1.07	33.32	65.61	0	5	6.13	0.50	0.83	10	0.7	5.8	12.0	1	1	1	50
HA-P-216-2	3.16	NR	P	0.23	47.13	52.43	0	8.7	6.04	0.25	0.93	102	3.8	24.5	15.5	13	15	12	35
HA-P-225-1	2.58	NR	P	0.08	70.89	28.65	0	9.6	5.87	0.25	0.79	43	1.8	25.8	7.0	9	7	11	50
HA-P-225-2	2.55	NR	P	0.08	73.46	26.06	0	9.3	4.7	0.25	0.71	15	0.9	5.5	15.5	8	3	9	40
HA-P-244-1	2.73	NR	P	7.74	67.71	22.68	0	8.9	5.95	0.25	0.92	38	1.7	8.5	19.4	8	8	10	50
HA-P-244-2	3.03	NR	P	5.28	72.17	21.53	0	8.2	6.46	0.25	1.00	47	2.1	16.5	12.6	14	9	15	20
HA-P-246-304-96	4.18	NR	P	0.43	65.04	34.04	0	9.7	7.24	0.25	0.89	85	12.8	62.3	20.5	16	14	14	55
HO-P-001-214-97	3.13	NR	P	1.04	69.34	28.83	0	8.5	7.4	0.25	0.73	78	4.7	31.5	14.8	15	16	14	25
HO-P-002-321-97	3.85	NR	P	14.70	48.11	36.72	0	8	7.68	0.50	1.00	77	4.4	24.5	18.1	11	11	11	80
HO-P-018-106-97	2.61	NR	P	0.08	76.91	21.91	0	9.8	7.17	0.25	1.00	28	3.1	11.5	26.7	9	9	13	30
HO-P-036-314-95	4.32	NR	P	2.26	70.80	26.22	0	9.8	8.16	0.25	1.00	85	14.0	59.5	23.5	8	18	0	60
HO-P-058-125-97	3.02	NR	P	1.21	55.95	41.67	0	9.8	7.35	0.25	0.64	107	3.9	40.0	9.8	15	17	14	17
HO-P-058-126-97	3.09	NR	P	1.59	54.77	42.56	0	10.6	7.36	0.25	0.97	56	3.9	35.5	11.0	14	14	16	25
HO-P-063-203-97	3.10	NR	P	1.82	61.87	33.50	0	8.3	7.87	0.25	0.52	50	3.4	31.0	11.0	12	11	14	25
HO-P-068-220-95	3.23	NR	P	2.01	49.65	48.12	0	8.4	7.57	0.25	0.99	41	3.5	22.8	15.5	10	11	15	10
HO-P-068-231-96	3.28	NR	P	1.85	46.59	51.29	0	9.9	7.46	0.25	0.97	48	7.0	26.5	26.3	10	17	16	50
HO-P-069-229-97	3.09	NR	P	0.11	59.40	39.27	0	9.9	7.39	0.25	0.95	47	3.2	26.0	12.4	10	12	11	20
HO-P-083-235-97	3.74	NR	P	0.02	72.45	26.41	0	8.6	7.22	0.25	0.95	136	6.5	44.8	14.6	14	16	15	15
HO-P-087-202-95	3.09	NR	P	1.33	62.96	35.43	0	8.5	7.64	0.25	1.00	56	4.1	14.0	29.1	11	11	13	15
HO-P-094-116-96	2.81	NR	P	1.72	81.69	13.46	0	9.5	6.6	0.25	0.99	26	2.2	21.3	10.2	8	10	13	40
HO-P-098-224-97	2.65	NR	P	30.23	28.47	36.16	0	8.4	7.09	0.25	0.97	61	3.2	23.5	13.4	12	16	12	21
HO-P-104-219-97	3.35	NR	P	0.71	70.06	27.78	0	8.9	7.34	0.50	0.92	76	3.5	19.5	17.8	11	13	12	40
HO-P-108-313-95	4.36	NR	P	2.20	71.33	25.77	0	9.4	7.77	0.00	1.00	122	10.7	34.0	31.5	18	18	17	30
HO-P-115-204-96	3.16	NR	P	2.14	81.66	15.79	0	7.9	6.88	0.25	0.85	60	4.3	23.8	18.1	14	17	16	40
HO-P-127-237-97	3.23	NR	P	3.33	79.70	16.74	0	9.5	7.13	0.50	0.96	54	3.7	18.5	19.9	14	12	13	35
HO-P-132-312-97	4.30	NR	P	0.65	62.70	35.80	0	8.5	7.24	0.25	0.73	87	9.1	56.0	16.2	13	17	13	15
HO-P-132-319-97	4.29	NR	P	0.66	62.83	35.76	0	8.7	7.42	0.25	1.00	134	11.4	64.3	17.7	15	19	13	40
HO-P-143-109-97	2.95	NR	P	0.00	71.65	28.15	0	10.5	7.38	0.25	0.99	96	5.2	26.0	19.9	14	12	15	15
HO-P-151-222-96	3.67	NR	P	7.03	61.92	30.58	0	8.9	7.24	0.00	1.00	61	5.4	32.0	16.7	10	11	16	72
HO-P-154-125-96	2.59	NR	P	9.02	54.38	36.08	0	8.9	6.92	0.25	0.84	52	1.7	21.3	8.1	12	16	14	75
HO-P-158-309-97	3.74	NR	P	2.22	78.59	18.33	0	10.5	7.5	0.50	0.97	137	7.1	42.8	16.5	12	18	14	7
HO-P-169-111-97	2.91	NR	P	0.00	65.79	33.52	0	10.4	7.02	0.25	0.88	44	1.8	25.3	7.1	8	9	12	40
HO-P-182-207-96	2.85	R	P	0.00	39.44	60.00	0	9.5	7.33	0.25	0.89	93	2.2	21.3	10.5	14	15	17	25
HO-P-191-116-97	2.96	NR	P	0.23	75.24	23.75	0	8.5	7.29	0.25	0.97	42	2.1	20.5	10.1	10	11	14	18
HO-P-194-310-97	3.83	NR	P	1.55	58.04	39.94	0	9.1	7.43	0.25	1.00	98	5.7	26.3	21.8	13	14	14	25
HO-P-195-130-97	2.01	NR	P	54.67	15.43	29.85	0	8.7	7.24	0.25	0.97	9	0.7	5.0	14.0	6	2	6	40
HO-P-208-120-97	2.78	NR	P	42.49	23.72	33.68	0	8.6	7.27	0.25	0.92	59	1.5	12.3	12.2	12	11	11	30
HO-P-214-311-97	3.70	NR	P	2.06	52.37	44.99	0	6.3	7.39	0.50	0.96	78	5.9	26.0	22.6	13	14	11	20
HO-P-228-119-97	2.83	R	P	0.10	32.93	65.92	0	9.6	7.56	0.25	0.88	67	3.1	16.3	19.1	14	12	14	30
HO-P-239-217-97	3.33	NR	P	2.60	68.17	27.56	0	8	7.17	0.25	0.96	86	4.6	27.3	16.9	14	15	14	15
HO-P-244-310-95	4.35	NR	P	2.17	71.59	25.55	0	7.7	7.26	0.25	1.00	71	9.5	40.3	23.5	17	17	17	25

JONE-109-S-2000	1.82	R	P	0.47	22.75	76.78	0	8.1	6.18	0.50	0.87	24	1.1	6.8	16.3	8	6	9	25
JONE-315-S-2000	3.58	NR	P	4.02	33.80	56.29	0	10.1	7.64	0.25	0.92	106	5.1	26.8	19.2	15	16	17	15
JONE-322-S-2000	3.49	NR	P	3.36	37.03	52.35	0	9.7	7.79	0.25	0.97	40	6.1	19.3	31.8	9	10	12	15
LIBE-101-C-2000	2.78	R	P	0.10	22.38	77.51	0	9.7	8.47	0.75	0.80	31	1.5	21.8	6.9	9	10	15	12
LIBE-101-R-2000	2.60	NR	P	5.64	59.33	35.03	0	8.6	7.41	0.25	0.93	42	2.0	14.5	13.6	8	10	14	15
LIBE-102-C-2000	2.76	R	P	0.11	22.93	76.96	0	9.3	8.63	0.50	0.79	56	2.3	17.5	13.0	12	15	15	12
LIBE-103-C-2000	2.89	NR	P	0.90	25.70	73.15	1	9	8.42	0.75	0.89	41	2.7	15.3	17.7	10	10	16	20
LIBE-104-R-2000	2.21	I	P	11.69	83.12	4.98	0	7.2	7.33	0.50	0.96	32	1.4	12.0	11.9	10	15	12	13
LIBE-105-C-2000	2.41	NR	P	10.88	73.05	15.82	0	9.1	6.96	0.75	0.77	57	3.2	15.8	20.0	14	14	14	25
LIBE-110-R-2000	2.52	NR	P	0.00	60.36	39.64	0	8.4	7.65	0.50	0.93	32	2.4	12.0	19.8	7	8	8	30
LIBE-111-R-2000	2.67	I	P	0.07	95.31	3.82	1	8.1	7.56	0.25	0.92	41	1.4	22.1	6.5	11	10	11	20
LIBE-113-R-2000	2.47	R	P	0.11	32.37	67.30	0	7.8	7.45	0.25	0.99	32	3.1	9.3	33.2	8	8	15	15
LIBE-115-R-2000	3.07	NR	P	6.21	70.26	23.53	0	9.4	7.72	0.25	0.97	31	3.5	18.8	18.5	12	8	16	7
LIBE-117-R-2000	2.53	NR	P	0.29	28.00	71.52	1	7.8	7.45	0.50	0.92	26	2.4	8.3	28.8	8	8	8	15
LIBE-119-R-2000	3.01	I	P	0.86	87.50	11.30	0	8.5	7.76	0.50	0.97	30	2.6	14.5	17.9	10	10	11	15
LIBE-202-R-2000	4.09	NR	P	1.73	79.42	18.73	0	8.1	8.09	0.25	0.99	121	9.5	69.0	13.7	18	18	17	17
LIBE-203-R-2000	3.99	NR	P	0.62	76.98	21.96	0	9.1	7.84	0.50	1.00	36	8.5	24.3	34.8	9	10	17	34
LIBE-204-C-2000	3.21	R	P	0.55	25.00	74.31	0	9.7	8.48	0.50	0.85	102	3.9	27.8	14.1	15	13	16	25
LIBE-207-R-2000	2.73	I	P	10.47	79.85	9.62	0	8.5	7.56	0.50	0.79	97	2.5	31.3	8.1	12	9	12	20
LIBE-209-R-2000	3.22	NR	P	0.09	64.16	35.71	0	9	7.14	0.50	0.88	56	2.7	15.0	17.7	11	12	13	22
LIBE-212-R-2000	2.93	NR	P	8.77	50.00	41.23	0	8.8	7.56	0.50	0.75	87	4.6	28.3	16.1	16	15	11	20
LIBE-216-R-2000	2.93	NR	P	2.55	74.38	21.50	0	8.4	7.46	0.50	0.93	49	2.7	14.8	18.3	10	8	16	9
LIBE-303-R-2000	4.26	NR	P	0.70	69.01	30.03	0	8.1	7.59	0.25	1.00	67	9.8	31.8	30.7	17	16	17	30
LIBE-318-R-2000	4.08	NR	P	0.71	75.03	23.87	0	8.8	7.5	0.25	0.99	163	8.1	70.3	11.5	17	18	18	39
LOCH-102-S-2000	2.81	R	P	0.44	42.91	56.60	0	8.8	6.22	1.00	1.00	36	2.9	24.5	11.8	8	9	14	20
LOCH-120-S-2000	2.62	R	P	0.07	36.94	62.99	0	9.2	7.16	0.50	0.61	34	2.7	12.0	22.7	8	9	17	20
LOCH-209-S-2000	3.41	NR	P	2.40	43.59	53.91	1	9.2	7.61	0.50	0.89	72	3.7	20.3	18.0	15	14	17	10
LPAX-109-R-2000	2.61	NR	P	0.08	77.36	22.25	0	9.1	7.55	0.75	0.80	34	2.0	18.5	10.5	7	7	15	20
LPAX-112-R-2000	3.32	NR	P	5.70	60.11	34.17	0	8.3	6.98	0.25	1.00	87	5.1	51.8	9.9	12	13	12	35
LPAX-113-R-2000	3.63	NR	P	10.51	50.15	39.08	0	9.6	8.5	0.25	1.00	83	7.7	49.5	15.6	17	15	16	15
LPAX-115-R-2000	3.02	NR	P	1.20	60.34	38.34	0	7.4	7.24	0.75	0.99	46	3.0	27.8	10.8	9	8	14	24
LPAX-116-R-2000	3.08	NR	P	41.94	17.04	39.07	0	7.5	7.69	0.25	0.87	61	4.0	24.8	16.1	13	13	16	35
LPAX-118-R-2000	2.24	NR	P	56.85	9.26	33.89	1	6.2	7.76	0.25	0.99	37	1.8	17.0	10.7	7	7	6	15
LPAX-204-R-2000	3.86	NR	P	14.98	47.74	37.12	0	7.7	7.71	0.50	1.00	54	5.4	26.5	20.4	11	11	15	50
LPAX-217-R-2000	3.61	NR	P	6.49	52.96	40.33	1	7.2	7.63	0.50	0.97	73	4.8	31.3	15.3	16	16	16	25
LPAX-311-R-2000	4.29	NR	P	28.04	38.45	33.21	0	6.5	7.23	0.25	1.00	112	6.3	42.0	15.0	16	13	14	60
MO-P-001-214-97	3.17	NR	P	37.36	34.28	27.03	0	9.3	7.14	0.25	0.85	73	5.5	20.5	26.6	12	14	13	35
MO-P-006-1	3.41	NR	P	0.21	76.80	21.82	0	9.4	7.31	0.50	0.71	85	3.1	26.3	11.7	14	17	12	45
MO-P-006-2	3.37	NR	P	0.24	75.75	23.11	0	5.7	8.08	0.25	0.79	66	3.5	44.0	8.0	13	16	11	40
MO-P-014-107-97	2.58	NR	P	0.00	74.33	25.82	0	5.5	7.36	0.25	0.91	74	1.3	17.0	7.8	11	16	3	25
MO-P-016-227-97	3.14	NR	P	1.34	74.98	22.32	0	8	7.03	0.75	0.97	42	2.9	20.5	13.9	10	10	6	40
MO-P-022-3	2.72	NR	P	0.11	77.58	21.33	0	5	7.11	0.25	0.91	37	0.9	6.3	14.8	2	16	0	50
MO-P-022-6	2.79	NR	P	0.10	77.32	21.76	0	5	7.11	0.25	0.91		0.4	2.3	16.7	3	16	0	50
MO-P-024-307-97	3.65	NR	P	2.87	75.58	20.76	0	8.1	6.98	0.50	1.00	62	5.8	32.5	17.7	13	15	14	20
MO-P-024-315-97	3.65	NR	P	2.84	75.81	20.59	1	8.1	6.98	0.75	0.95	112	8.2	71.0	11.5	10	20	0	35

MO-P-025-1	2.13	I	P	88.57	8.65	2.78	1	6.1	7.33	0.25	0.95	42	1.8	19.8	9.2	7	16	8	20
MO-P-025-2	2.64	I	P	60.00	29.43	9.24	0	6.9	6.2	0.25	0.95	76	2.1	19.3	10.6	11	16	6	80
MO-P-035-227-97	4.02	NR	P	0.47	64.90	33.35	0	7.5	7.28	0.25	0.84	127	6.7	71.3	9.4	15	16	15	35
MO-P-038-1	3.97	NR	P	29.00	32.00	37.52	0	7.6	7.6	0.25	0.97	97	6.2	41.3	15.0	14	17	16	10
MO-P-038-3	3.97	NR	P	28.92	32.08	37.53	0	7.6	7.94	0.25	0.96	59	7.0	30.8	22.6	11	13	14	30
MO-P-053-2	3.24	NR	P	1.90	55.22	42.43	0	10	7.35	0.50	0.93	62	2.7	25.5	10.6	9	11	11	35
MO-P-053-7	3.24	NR	P	1.90	55.26	42.52	0	8.5	7.5	0.50	0.88	70	2.9	24.8	11.7	12	16	11	50
MO-P-056-319-97	4.16	NR	P	22.32	37.94	38.95	0	9.6	7.31	0.25	0.92	79	6.6	52.3	12.7	14	18	11	35
MO-P-059-320-97	4.23	NR	P	0.76	63.88	34.70	0	8.4	7.46	0.25	0.95	95	11.0	64.8	16.9	15	16	11	40
MO-P-064-328-97	4.03	NR	P	0.41	60.42	38.65	0	8.9	7.26	0.25	0.88	64	5.3	47.8	11.0	12	16	12	25
MO-P-069-5	2.69	NR	P	54.74	22.32	22.53	0	6.3	7.2	0.50	0.91	70	2.9	33.8	8.4	13	17	6	25
MO-P-082-124-97	2.69	NR	P	49.32	29.37	20.09	0	9.3	7.37	0.25	0.76	84	2.6	26.5	9.6	14	18	7	35
MO-P-086-1	3.71	NR	P	48.29	13.56	37.58	0	7.3	7.45	0.25	1.00	91	6.4	24.0	26.7	13	16	12	40
MO-P-086-2	3.71	NR	P	47.80	13.58	38.03	0	8.1	7.47	0.25	0.93	78	9.0	39.3	23.0	15	17	11	10
MO-P-091-204-97	3.63	NR	P	38.27	42.05	18.16	0	8.9	7.46	0.50	0.87	68	5.4	24.8	21.8	14	16	12	40
MO-P-099-1	2.64	NR	P	55.60	30.32	11.84	0	7.3	7.42	0.50	0.80	52	1.8	11.3	16.2	11	11	6	35
MO-P-099-2	2.65	NR	P	54.88	30.75	12.16	0	7.3	7.42	0.50	0.52	51	2.2	22.5	9.9	11	12	7	35
MO-P-101-126-97	2.70	I	P	80.78	2.94	16.52	0	8.8	7.3	0.25	0.87	86	3.8	27.0	14.2	12	15	11	20
MO-P-102-308-97	3.63	NR	P	1.86	67.01	30.29	0	10.7	8.04	0.50	0.99	63	5.8	21.0	27.7	12	15	12	25
MO-P-103-1	2.38	NR	P	4.97	52.99	42.05	0	7.1	7.7	0.25	0.85	50	1.8	11.0	16.6	11	11	8	10
MO-P-103-2	2.50	NR	P	7.39	47.14	44.83	0	7.1	7.7	0.25	0.71	62	2.0	20.8	9.8	11	11	8	15
MO-P-108-123-97	2.71	I	P	51.52	43.77	4.14	1	6.7	8.76	0.25	0.95	82	3.1	21.5	14.4	13	16	8	30
MO-P-110-223-97	3.56	NR	P	3.17	52.43	44.01	1	7.6	7.32	0.25	0.92	67	3.7	22.5	16.6	12	10	15	45
MO-P-111-136-96	2.41	R	P	0.00	38.85	61.54	0	7.73	7.23	0.25	0.87	61	1.8	6.5	27.7	12	11	8	35
MO-P-118-1	3.66	NR	P	0.87	68.01	29.90	0	8.3	7.5	0.25	0.93	127	6.3	50.3	12.5	15	19	16	50
MO-P-118-2	3.66	NR	P	0.87	67.96	30.02	0	8.2	7.11	0.50	0.84	86	4.4	49.8	8.8	14	14	17	55
MO-P-126-206-97	3.07	NR	P	0.00	74.91	24.36	0	8.3	6.78	0.25	0.91	73	4.5	39.5	11.3	14	16	14	10
MO-P-128-118-97	2.19	NR	P	0.00	81.06	17.31	0	9.3	6.88	0.25	0.95	24	0.9	7.5	12.0	8	8	7	20
MO-P-129-114-97	1.91	I	P	0.00	88.38	11.42	0	9.1	6.53	0.50	0.89	36	1.1	9.5	11.8	9	6	6	15
MO-P-129-119-97	2.76	NR	P	0.00	74.92	24.74	1	9.4	7.19	0.50	0.85	70	2.3	20.5	11.1	11	15	7	30
MO-P-129-131-97	2.43	I	P	0.00	89.38	10.27	0	9.2	6.63	0.50	0.91	20	1.8	8.5	20.9	8	4	10	15
MO-P-153-113-97	2.76	NR	P	1.18	59.10	30.26	0	6.8	6.54	0.50	0.81	33	2.0	13.0	15.2	9	8	7	20
MO-P-159-110-97	2.34	NR	P	27.59	52.39	20.15	0	10.5	7.34	0.50	0.92	43	1.2	11.0	10.9	7	11	6	65
MO-P-180-1	3.84	NR	P	37.68	26.95	34.43	0	7.9	7.86	0.25	0.96	100	7.0	27.5	25.5	13	17	11	10
MO-P-180-3	3.84	NR	P	37.79	27.03	34.24	0	6.1	7.86	0.25	0.91	160	5.2	34.0	15.3	13	20	12	20
MO-P-182-325-97	3.94	NR	P	47.13	12.90	39.52	1	8.2	7.06	0.25	0.96	103	10.7	42.3	25.4	14	16	8	40
MO-P-190-302-97	3.49	NR	P	2.63	67.42	29.42	1	9.2	8.12	0.50	0.95	88	6.4	32.5	19.7	12	18	10	35
MO-P-192-1	1.91	NR	P	62.67	4.57	32.76	1	7	7.3	0.25	0.97	39	2.4	12.8	18.8	6	7	7	15
MO-P-192-2	1.90	NR	P	62.72	4.61	32.67	1	7	7.3	0.25	0.88	42	0.8	5.0	15.7	6	11	7	15
MO-P-204-137-97	2.79	NR	P	6.49	47.50	45.73	0	8.8	7.62	0.25	0.99	34	2.6	17.8	14.4	9	10	12	20
MO-P-206-311-97	3.83	NR	P	0.49	70.49	27.42	0	7.3	7.1	0.25	0.87	84	5.6	32.3	17.2	12	12	6	45
MO-P-213-205-97	3.79	NR	P	0.70	67.03	30.76	0	7.7	7.12	0.25	0.80	92	6.6	34.0	19.3	15	14	15	10
MO-P-233-1	4.02	NR	P	26.09	33.59	38.88	0	8.2	7.57	0.50	0.73	86	6.7	49.3	13.6	16	16	16	40
MO-P-233-2	4.02	NR	P	26.18	33.67	38.72	0	7.8	7.51	0.50	0.91	100	6.5	61.0	10.7	13	16	0	10
MO-P-245-303-97	4.25	NR	P	5.63	59.23	34.09	0	7	7.15	0.50	0.96	73	8.8	47.0	18.6	11	16	11	75

MO-P-248-125-96	2.77	NR	P	3.95	39.45	56.60	0	9.2	7.19	0.25	0.92	51	2.6	15.0	17.3	12	12	14	35
MO-P-251-115-97	2.70	NR	P	0.14	83.57	15.33	1	7.9	6.67	0.25	0.69	18	0.8	11.3	7.3	7	5	7	35
MO-P-252-323-97	3.94	NR	P	1.44	61.47	36.58	0	8.4	7.45	0.25	0.96	150	8.2	53.3	15.4	14	15	16	10
MO-P-258-213-97	2.87	NR	P	26.47	31.72	37.75	0	8.8	7.04	0.50	0.89	46	3.2	14.5	21.7	10	11	15	0
MO-P-265-4	2.04	I	P	0.00	88.75	10.98	1	8.4	6.93	0.00	0.95	19	0.5	7.5	6.0	6	1	6	25
MO-P-265-5	1.82	I	P	0.00	93.40	6.15	0	5.7	6.76	0.25	0.99	18	0.4	4.8	7.7	1	2	0	100
MO-P-269-203-97	3.53	NR	P	65.57	4.72	29.50	1	7.5	7.55	0.25	0.92	80	6.2	19.8	31.1	14	16	14	35
MO-P-276-211-97	3.23	NR	P	0.79	81.34	17.47	0	8.4	7.21	0.50	0.67	92	5.3	27.5	19.1	15	18	9	20
MO-P-286-1	3.20	NR	P	51.76	31.24	14.02	1	8.2	7.75	0.50	0.65	90	4.7	53.3	8.8	13	16	14	10
MO-P-286-2	3.26	NR	P	52.64	29.66	14.65	1	7.8	7.78	0.25	0.92	152	4.8	44.3	10.7	11	20	11	80
MO-P-296-1	3.45	NR	P	43.77	34.45	20.71	0	6.8	7.7	0.25	0.96	108	6.6	36.3	18.2	12	16	6	65
MO-P-296-2	3.38	NR	P	42.56	35.62	20.62	0	7.6	8.09	0.50	0.96	84	5.3	31.5	16.7	11	16	6	65
MO-P-304-127-97	2.40	NR	P	64.26	9.16	26.66	0	9.9	7.11	0.25	0.93	47	2.3	13.8	16.9	10	13	9	30
MO-P-308-117-97	2.58	NR	P	48.72	26.80	24.09	0	8.6	7.68	0.25	0.76	42	2.7	19.0	13.9	10	7	11	25
MO-P-310-313-97	4.03	NR	P	21.72	50.91	24.43	0	6.8	7.33	0.25	1.00	48	8.1	24.3	33.2	9	8	14	25
MO-P-311-112-97	2.88	I	P	0.09	86.25	11.88	0	6.8	6.85	0.25	0.99	50	3.0	16.0	18.9	11	15	6	15
MO-P-316-205-97	3.04	NR	P	49.17	25.10	25.32	0	8.3	7.19	0.50	0.85	53	3.0	31.3	9.6	12	13	9	20
MO-P-325-208-97	3.24	NR	P	1.71	53.78	44.14	0	9.1	6.82	0.25	0.80	67	4.8	23.3	20.8	11	14	10	25
MO-P-325-216-97	3.31	NR	P	1.44	56.47	41.75	0	9.3	7.3	0.50	0.84	118	3.4	50.3	6.7	15	18	9	50
MO-P-333-207-97	3.93	NR	P	5.27	64.59	28.82	0	6.7	7.39	0.50	1.00	55	8.6	28.0	30.8	11	12	13	45
MO-P-333-224-97	3.94	NR	P	5.14	64.75	28.82	0	8.6	7.6	0.50	0.99	78	7.6	37.5	20.3	13	8	14	25
MO-P-361-8	3.29	NR	P	50.40	22.37	21.75	0	6.8	7.56	0.25	0.64	120	3.8	14.3	26.3	11	11	8	20
MO-P-366-212-97	3.25	NR	P	2.94	40.56	56.24	0	7.8	6.76	0.50	0.89	49	3.1	13.3	23.6	9	9	9	20
MO-P-370-308-97	4.27	NR	P	0.69	63.36	35.28	0	7.6	7.07	0.25	1.00	124	11.5	47.8	24.1	14	16	14	17
MO-P-407-225-97	3.34	NR	P	8.23	49.61	41.62	1	6.8	6.97	0.25	0.95	96	4.4	52.0	8.4	12	14	12	40
MO-P-419-2	2.40	I	P	2.27	90.28	6.90	0	9.4	6.55	0.00	0.89	35	1.0	17.0	5.7	6	10	11	50
MO-P-428-106-97	2.64	NR	P	13.53	55.45	29.93	1	8.3	6.84	0.25	0.89	44	2.2	8.8	25.1	10	8	13	20
MO-P-432-1	3.37	NR	P	66.45	9.04	24.43	0	6.8	7.77	0.25	0.97	125	10.8	55.3	19.5	12	14	13	45
MO-P-432-2	3.45	NR	P	65.63	7.75	26.54	0	5.9	7.72	0.25	0.83	132	3.7	62.8	5.9	10	18	6	15
MO-P-436-226-97	3.05	NR	P	0.06	51.58	48.29	0	6.4	7.01	0.50	0.99	19	1.0	9.5	10.0	7	3	6	45
MO-P-437-206-97	3.68	NR	P	2.07	71.36	23.16	0	9.7	7.23	0.50	0.44	89	4.7	44.0	10.6	13	16	16	40
MO-P-437-210-97	3.64	NR	P	2.07	72.38	21.85	0	7.9	6.85	0.50	0.96	63	6.5	35.3	18.3	12	11	15	25
MO-P-445-318-97	4.05	NR	P	4.03	66.41	28.48	1	7.7	7.42	0.50	0.88	102	7.7	45.8	16.7	16	18	11	35
MO-P-452-1	1.68	I	P	64.80	26.09	9.11	0	6.9	7.75	0.25	0.96	57	1.6	16.3	9.5	7	11	6	40
MO-P-452-2	2.05	I	P	72.17	18.55	9.28	0	6.9	7.75	0.25	0.96	43	1.4	11.8	11.7	8	16	6	50
MO-P-454-3	2.67	I	P	45.45	37.71	8.74	0	7.1	8.1	0.25	0.81	86	3.0	12.5	23.6	14	15	14	25
MO-P-468-109-97	2.20	I	P	22.94	69.04	7.65	0	6	7.24	0.50	0.95	41	2.4	15.5	15.3	9	12	7	20
MO-P-470-1	3.47	NR	P	56.29	25.65	13.93	0	6.2	7.4	0.50	0.88	78	4.1	59.5	6.9	13	18	6	40
MO-P-470-2	3.48	NR	P	56.07	25.61	13.82	1	6.7	7.26	0.25	0.99	88	3.9	20.0	19.5	12	16	10	50
MO-P-474-317-97	4.27	NR	P	4.40	53.02	39.55	0	9.9	7.42	0.50	1.00	45	8.0	20.0	40.0	13	10	16	35
MO-P-478-312-97	4.20	NR	P	44.18	13.06	42.38	0	9.8	7.68	0.25	1.00	54	12.0	26.0	46.0	14	12	17	30
MO-P-480-2	4.11	NR	P	43.32	15.13	41.12	1	9.5	7.88	0.25	0.99	88	7.9	39.8	19.9	17	14	20	35
MO-P-480-3	4.11	NR	P	43.35	15.08	41.14	0	9.5	7.87	0.25	1.00	63	11.3	35.3	31.9	11	11	18	20
MO-P-480-326-97	4.11	NR	P	43.68	14.86	41.03	1	9.1	7.91	0.25	1.00	48	10.9	31.8	34.2	10	16	9	35
MO-P-481-101-97	2.26	NR	P	0.19	76.77	20.08	0	8	7.51	0.50	0.57	51	1.8	19.5	9.1	11	13	8	0

MO-P-488-1	3.36	NR	P	50.31	15.05	34.07	0	-999	7.59	0.25	0.87	82	4.0	46.8	8.5	14	18	8	35
MO-P-488-2	3.35	NR	P	50.38	15.24	33.80	0	-999	7.63	0.25	0.84	104	6.8	43.3	15.6	14	18	6	65
MO-P-489-314-97	3.92	NR	P	7.80	51.31	40.18	1	8.9	6.99	0.50	0.97	78	8.4	36.0	23.4	11	18	6	40
MO-P-489-323-97	3.94	NR	P	8.86	50.10	40.34	0	8.2	7	0.50	0.97	63	6.8	39.5	17.3	12	16	10	35
MO-P-490-2	2.21	NR	P	2.72	56.95	40.33	0	7.2	7.14	0.25	0.64	30	0.8	15.3	5.4	7	11	7	55
MO-P-490-4	2.02	NR	P	3.51	66.45	30.05	0	6.7	7.21	0.25	0.83	60	1.3	11.5	10.9	6	8	7	55
MO-P-495-312-96	3.90	NR	P	1.75	48.27	49.80	0	9.7	7.12	0.25	0.91	110	8.0	68.8	11.6	18	15	17	5
MO-P-496-215-97	2.91	NR	P	1.18	69.24	28.87	0	9.8	7.1	0.25	0.83	42	2.2	16.0	13.8	10	12	6	25
MO-P-500-1	3.16	NR	P	52.79	15.30	31.38	0	7.9	7.68	0.25	1.00	102	4.6	16.3	28.0	13	14	10	50
MO-P-500-2	3.24	NR	P	51.05	13.84	34.66	0	7.7	7.54	0.25	0.95	70	6.1	36.8	16.7	14	17	6	40
MO-P-501-1	1.67	NR	P	14.20	60.96	24.84	0	1.6	7.43	0.00	0.88	26	0.5	4.8	10.5	3	6	0	65
MO-P-501-105-97	1.78	NR	P	11.82	65.32	21.96	0	7.8	6.3	0.00	0.97	38	0.7	9.3	7.3	2	6	0	20
MO-P-501-3	1.70	NR	P	14.14	61.55	24.30	0	2.9	7.08	0.00	0.93	41	1.0	7.3	13.4	5	12	1	60
MO-P-508-2	2.54	NR	P	2.64	73.42	22.39	1	7.2	7.02	0.50	0.95	30	1.9	10.8	17.7	7	7	6	25
MO-P-508-3	2.77	NR	P	22.25	58.40	18.13	0	7.3	8.73	0.25	0.89	62	2.5	16.0	15.3	11	13	10	25
MO-P-514-116-97	3.04	NR	P	0.03	78.02	20.69	0	7.6	6.99	0.50	0.92	42	2.2	17.0	12.8	7	6	5	20
OCTO-102-C-2000	2.76	NR	P	0.27	75.20	24.41	0	8.1	7.15	0.25	0.76	72	3.1	16.8	18.4	15	15	16	20
OCTO-201-C-2000	3.85	NR	P	0.67	59.91	39.29	0	9.9	7.24	0.25	1.00	72	7.4	33.0	22.5	19	14	18	10
PATL-103-R-2000	3.35	NR	P	27.28	22.26	45.10	1	7.3	7.82	0.25	0.97	60	5.6	23.3	24.2	12	12	14	24
PATL-105-R-2000	2.50	NR	P	52.42	10.28	18.75	1	6.4	6.44	0.50	0.80	58	3.0	31.3	9.6	12	13	7	35
PATL-106-R-2000	1.87	NR	P	54.04	5.96	40.00	0	6.3	5.24	0.50	0.67	27	0.9	8.3	10.3	8	9	14	30
PATL-109-R-2000	3.30	NR	P	3.31	44.08	44.08	0	8.7	8.18	0.25	0.99	27	3.1	9.8	31.3	7	7	6	60
PATL-111-R-2000	2.30	I	P	73.63	2.65	23.71	0	6.2	7.51	0.25	0.80	56	1.7	14.0	12.1	11	10	9	30
PATL-114-R-2000	2.90	NR	P	11.04	75.98	12.98	0	7.8	7.73	0.50	0.99	59	3.1	31.5	9.7	11	11	14	35
PATL-116-R-2000	2.61	NR	P	61.37	4.81	33.82	0	8	7.93	0.25	0.84	42	4.1	15.8	26.0	10	9	17	39
PATL-118-R-2000	1.46	NR	P	13.33	26.67	60.00	0			0.75	0.93	67	5.4	30.8	17.7	13	13	13	36.33474576
PATL-119-R-2000	2.99	NR	P	47.54	10.65	36.25	1	8.4	7.87	0.25	0.96	45	3.2	19.5	16.4	7	8	16	35
PATL-124-R-2000	2.38	NR	P	0.79	53.94	45.28	0	9	7.03	0.25	0.57	28	1.9	11.5	16.7	8	9	13	12
PATL-127-R-2000	2.84	NR	P	39.04	8.65	52.31	0	8.7	7.97	0.50	0.95	115	2.7	26.0	10.4	17	18	15	35
PATL-207-R-2000	3.14	NR	P	36.86	24.90	38.22	1	8.6	8.11	0.25	0.99	63	5.2	31.0	16.7	14	14	15	45
PATL-222-R-2000	3.07	NR	P	17.78	21.30	50.65	1	7.4	7.7	0.50	0.99	126	3.5	28.5	12.2	16	16	13	30
PATL-317-R-2000	3.72	NR	P	23.10	32.98	43.15	1	7.6	7.56	0.50	0.99	93	3.8	35.8	10.6	16	15	13	51
PRET-101-R-2000	2.49	NR	P	0.40	53.88	45.41	1	9	7.34	0.50	1.00	29	2.2	16.0	13.4	8	7	10	20
PRET-102-R-2000	2.49	NR	P	0.00	76.33	23.37	0	8.4	7.03	0.50	0.60	37	1.6	24.3	6.6	8	8	11	55
PRET-104-R-2000	2.71	NR	P	0.00	66.65	33.35	0	9.1	7.12	0.25	0.95	30	2.9	8.3	34.8	10	10	15	25
PRET-108-R-2000	2.62	NR	P	0.00	68.80	31.20	0	9.5	7.83	0.75	1.00	20	3.2	9.3	34.1	7	6	12	10
PRET-109-R-2000	3.23	NR	P	3.47	84.43	11.80	0	8.9	7.12	1.00	0.37	66	2.8	16.0	17.2	16	17	17	20
PRET-110-R-2000	2.85	I	P	0.31	85.83	13.86	0	9.3	7.46	0.50	0.64	46	3.1	21.3	14.6	10	7	14	15
PRET-111-R-2000	2.56	NR	P	0.00	73.90	26.10	0	9.1	7.23	0.75	0.92	34	0.9	14.0	6.3	9	8	14	25
PRET-112-R-2000	2.17	NR	P	0.00	77.94	22.06	0	8.4	7.12	0.50	0.96	30	2.1	9.0	23.1	7	7	10	60
PRET-113-R-2000	3.32	NR	P	0.33	75.87	23.75	1	8.1	7.18	1.00	0.91	77	3.2	39.5	8.0	17	14	16	30
PRET-214-R-2000	3.19	I	P	0.14	87.63	12.23	0	9.9	7.49	0.75	0.56	122	4.4	51.8	8.4	15	17	14	35
PW-M-998-1	3.13	NR	P	54.18	3.53	38.52	1	6.4	7.65	0.25	1.00	82	2.6	27.8	9.2	13	15	13	50
PW-M-998-2	3.13	NR	P	54.44	3.50	38.31	1	6.4	7.65	0.25	1.00	32	2.6	21.0	12.5	7	11	11	100
PW-M-999-3	3.65	NR	P	61.21	6.11	31.48	0	7.2	7.35	0.25	1.00	80	14.0	66.5	21.1	17	16	17	5

PW-M-999-4	3.65	NR	P	61.34	6.12	31.34	0	7.2	7.35	0.25	1.00	82	12.2	59.3	20.6	17	13	20	0
RKGR-119-S-2000	2.84	R	P	0.41	32.73	66.76	0	8.2	7.59	0.50	0.81	74	2.9	17.8	16.5	14	12	16	35
SBPA-103-R-2000	2.42	I	P	0.00	94.48	5.28	0	8.4	6.99	0.25	0.92	27	1.6	11.5	13.7	7	7	11	30
SBPA-104-R-2000	2.53	NR	P	10.54	77.33	12.13	0	8.6	6.96	0.50	1.00	28	1.7	14.8	11.2	9	7	12	35
SBPA-105-R-2000	2.36	NR	P	4.16	66.16	29.68	0	7.7	7.42	0.75	0.67	34	1.9	9.8	19.5	8	7	11	20
SBPA-108-R-2000	3.17	R	P	0.49	31.54	67.97	0	8.2	7.43	0.25	0.99	44	3.8	19.0	19.7	10	9	16	20
SBPA-109-R-2000	1.70	I	P	0.00	94.94	5.06	0	7.1	6.84	0.50	0.93	12	1.1	6.5	17.3	6	7	7	25
SBPA-113-R-2000	2.57	NR	P	0.09	66.18	33.73	0	7.3	7.14	0.25	0.89	93	2.3	14.0	16.6	13	14	12	40
SBPA-117-R-2000	2.48	NR	P	2.31	75.16	22.33	0	6.6	7.29	0.50	0.91	22	1.5	6.0	25.0	5	8	8	15
SBPA-207-R-2000	3.14	NR	P	0.07	80.45	19.46	0	8.5	7.17	0.75	0.96	82	3.3	17.5	19.0	16	15	15	20
SBPA-329-R-2000	4.08	NR	P	0.79	72.87	25.83	0	8.3	8.11	1.00	1.00	100	8.1	44.5	18.1	17	17	16	10
SBPA-424-R-2000	4.52	NR	P	1.98	71.30	26.29	1	9.3	8.48	0.25	1.00	122	15.9	83.5	19.1	7	17	11	30
SWAN-104-R-2000	3.02	R	P	0.00	38.89	61.11	0	7.4	7.63	0.25	0.96	93	2.2	12.5	17.6	12	12	6	5
SWAN-105-R-2000	3.29	NR	P	0.08	34.92	64.92	1	6.1	7.5	0.75	0.73	74	2.5	19.8	12.7	13	13	12	10
SWAN-106-R-2000	2.40	NR	P	0.00	51.56	48.44	0	4	6.91	0.50	1.00	17	1.1	6.8	16.7	2	7	0	100
SWAN-110-R-2000	2.71	R	P	0.00	24.34	75.66	0	8.1	7.49	0.25	1.00	24	2.7	9.0	29.4	7	8	7	25

SITE	TBANKSTAB	WOOD	INSTRHAB	EPISUB	SUBSTR	HAB	TSHADING	RIPWID	REMOTE	AESTHET	PHI	BIBI	FIBI	PHIorig
AA-N-011-3	3.61	2	10	3	0.50	0.67	1.35	50.0	18.0	18.0	75.67			
AA-N-011-5	3.16	5	12	5	0.50	0.50	1.25	50.0	18.0	16.0	77.43			
AA-N-012-110-97	2.83	0	6	4	0.75	0.67	0.79	5.0	6.0	9.0	51.89	1.00		6.89
AA-N-017-2	1.41	2	8	4	0.75	0.17	1.35	50.0	16.0	18.0	67.28		2.00	
AA-N-017-4	3.32	0	3	3	0.50	0.50	1.25	35.0	17.0	16.0	68.53		1.50	
AA-N-020-124-96	3.00	3	12	1	0.50	0.83	1.35	0.0	6.0	1.0	67.34	1.57		13.03
AA-N-021-112-97	2.45	7	7	5	0.75	0.67	1.11	50.0	14.0	12.0	59.58	2.71	3.00	63.87
AA-N-022-1	3.74	6	14	7	0.50	0.67	1.05	10.0	3.0	2.0	60.93		3.25	
AA-N-022-2	3.87	3	17	14	0.50	0.83	1.11	50.0	6.0	4.0	72.58		2.75	
AA-N-030-223-95	3.16	14	17	13	1.00	0.67	1.11	0.0	6.0	6.0	76.65	3.86	4.25	84.18
AA-N-034-206-97	3.61	11	15	16	0.75	0.83	1.11	50.0	6.0	5.0	76.76	1.57	3.00	73.95
AA-N-063-232-97	2.00	7	15	13	0.75	0.67	1.17	15.0	10.0	12.0	73.73	2.14	4.25	76.41
AA-N-072-103-97	1.73	5	12	11	1.00	0.83	0.99	21.0	5.0	10.0	58.61	2.14	4.00	50.47
AA-N-075-122-97	4.24	0	5	3	0.50	0.50	1.25	50.0	6.0	3.0	72.84	1.86		2.59
AA-N-082-1	4.00	3	4	2	0.25	0.17	1.35	50.0	19.0	17.0	69.94		1.00	
AA-N-082-2	1.73	3	4	3	0.50	0.50	1.17	25.0	8.0	12.0	50.83		1.00	
AA-N-091-303-97	3.46	26	16	17	0.75	1.00	0.99	50.0	18.0	17.0	86.26	3.57	3.00	90.79
AA-N-091-305-97	3.16	18	10	11	0.50	1.00	1.05	50.0	17.0	18.0	70.75	3.29	3.00	82.49
AA-N-091-314-97	3.32	22	17	16	0.75	1.00	0.94	50.0	17.0	19.0	82.87	3.29	3.00	95.61
AA-N-091-320-97	2.65	21	13	15	0.50	1.00	0.99	50.0	19.0	17.0	77.71	3.00	2.50	79.80
AA-N-092-207-97	3.00	0	6	10	0.75	0.83	0.58	22.0	1.0	13.0	41.74	1.00	2.50	69.95
AA-N-092-225-97	4.47	0	6	11	1.00	0.67	0.69	0.0	3.0	3.0	51.32	1.29	2.50	61.55
AA-N-102-1	1.41	4	5	4	0.75	0.33	1.35	50.0	18.0	18.0	64.58		2.25	
AA-N-102-2	1.73	8	10	1	0.50	0.50	1.25	50.0	18.0	11.0	62.74		2.50	
AA-N-104-114-95	2.65	6	6	4	0.50	0.83	0.84	15.0	6.0	6.0	54.31	1.57	2.00	19.56
AA-N-106-2	3.16	4	12	1	0.50	0.50	1.11	50.0	9.0	10.0	54.25		2.75	
AA-N-106-5	3.74	3	8	3	0.25	0.67	1.17	50.0	15.0	10.0	60.51			
AA-N-120-102-97	4.24	3	9	6	0.75	0.17	1.25	15.0	5.0	8.0	67.24	1.29	1.75	10.62
AA-N-126-306-95	3.16	6	12	10	0.50	0.83	1.05	0.0	5.0	12.0	56.02	2.43	3.00	88.67
AA-N-135-301-97	3.74	12	10	10	0.50	0.67	0.79	50.0	19.0	9.0	68.22	2.71	3.25	49.92
AA-N-152-304-97	2.65	16	13	10	1.00	1.00	1.01	21.0	6.0	10.0	58.99	1.29	4.25	87.39
AA-N-152-318-97	2.65	20	13	14	1.00	1.00	1.11	50.0	13.0	13.0	72.68	1.57	3.75	96.05

AA-N-160-215-97	4.00	12	18	18	0.75	1.00	1.17	21.0	4.0	4.0	77.82	2.14	4.00	83.12
AA-N-162-216-97	2.45	12	13	11	0.75	0.83	1.25	50.0	5.0	11.0	71.39	2.71	3.25	37.77
AA-N-164-1	4.12	3	8	5	0.50	0.00	1.17	20.0	3.0	11.0	57.71			
AA-N-164-2	4.00	10	5	3	0.75	0.17	1.25	50.0	11.0	16.0	64.44		1.00	
AA-N-170-5	2.65	2	9	5	0.50	0.50	1.17	15.0	4.0	7.0	59.42			
AA-N-170-6	2.65	3	14	6	0.75	0.83	1.17	25.0	6.0	6.0	67.94			
AA-N-172-209-95	3.46	10	7	4	0.75	1.00	1.37	50.0	11.0	13.0	64.20	3.00	3.00	49.09
AA-N-176-1	2.45	3	10	11	1.00	0.50	1.17	0.0	11.0	11.0	71.16		3.00	
AA-N-176-2	1.00	0	12	11	0.75	0.50	1.19	7.0	6.0	9.0	61.58			
AA-N-178-1	3.87	2	15	6	0.50	1.00	1.05	50.0	16.0	17.0	61.97		3.00	
AA-N-178-2	3.46	5	15	6	0.75	0.67	1.05	50.0	16.0	18.0	62.10		3.00	
AA-N-180-130-95	4.00	1	5	5	0.75	0.67	1.30	0.0	5.0	6.0	62.34	2.71	3.25	13.15
AA-N-186-115-96	2.24	5	12	7	0.75	0.67	1.35	3.0	7.0	6.0	70.28	3.29		25.29
AA-N-190-101-97	2.83	3	8	11	0.75	1.00	1.19	21.0	6.0	9.0	68.63	1.29		50.47
AA-N-201-203-97	2.24	13	12	13	0.75	0.67	1.11	50.0	20.0	19.0	74.54	1.86	2.00	58.11
AA-N-209-104-97	3.61	2	10	5	0.75	0.67	0.94	0.0	5.0	12.0	61.72	1.29		33.24
AA-N-211-101-97	2.45	1	2	1	0.25	0.50	0.79	0.0	4.0	12.0	46.89	1.86		2.73
AA-N-230-302-97	2.00	12	8	7	0.75	1.00	1.11	50.0	6.0	1.0	53.32	1.86	3.00	57.84
AA-N-230-307-97	2.45	10	10	10	0.75	0.83	1.17	50.0	6.0	6.0	59.96	1.57	2.50	68.54
AA-N-230-313-97	3.00	12	17	15	0.75	1.00	1.05	10.0	2.0	5.0	69.01	2.14	3.25	91.33
AA-N-230-319-97	2.83	10	14	11	0.75	1.00	1.11	50.0	2.0	8.0	67.69	2.43	2.75	91.06
AA-N-244-203-95	2.24	12	12	7	0.75	1.00	1.11	0.0	2.0	3.0	61.90	2.43	2.50	63.36
AA-N-258-121-97	2.24	3	9	5	0.75	0.33	1.25	50.0	15.0	5.0	75.12	2.71		12.06
AA-N-262-101-96	4.00	0	0	0	0.00	0.33	0.46	0.0	0.0	1.0	30.94	1.00	1.00	1.61
AA-N-268-2	2.65	0	13	11	1.00	0.67	1.05	30.0	4.0	7.0	66.15		2.00	
AA-N-268-4	3.16	0	9	10	1.00	0.17	1.17	0.0	1.0	10.0	63.19		1.75	
AA-N-281-1	2.83	7	14	3	0.25	0.83	1.17	50.0	19.0	19.0	61.42		2.75	
AA-N-281-2	3.32	5	14	6	0.75	0.67	1.11	50.0	19.0	18.0	64.04		3.00	
AA-N-281-310-97	3.61	17	18	18	0.75	0.83	0.89	50.0	16.0	16.0	81.22	4.43	2.75	92.48
AA-N-281-311-97	3.32	26	17	17	0.50	0.83	0.99	50.0	16.0	19.0	84.00	2.71	3.00	94.42
AA-N-288-3	4.36	4	10	5	0.25	0.33	1.17	50.0	11.0	14.0	66.84		1.50	
AA-N-307-218-97	3.74	1	6	11	0.50	0.33	1.13	3.0	6.0	1.0	65.89	1.57	2.00	8.88
AA-N-321-117-97	2.45	11	12	12	1.00	1.00	0.99	0.0	6.0	6.0	65.57	1.86	2.00	86.39
AA-N-323-225-96	4.00	15	16	15	0.75	1.00	1.25	24.0	10.0	16.0	86.03	2.71	3.25	77.97

AA-N-337-102-97	3.16	0	3	3	0.50	0.50	0.37	0.0	2.0	6.0	34.20	1.29	2.50	7.71
AA-S-001-226-97	2.45	8	11	5	0.50	0.67	1.35	50.0	8.0	13.0	56.02	4.14	4.75	53.22
AA-S-008-132-97	2.45	4	4	4	0.50	0.83	1.11	50.0	14.0	16.0	60.13	2.71	2.50	15.73
AA-S-024-138-97	2.65	8	9	12	0.75	0.50	1.17	50.0	12.0	18.0	72.70	3.00	2.75	58.64
ABPG-103-R-2000	4.33	4	12	16	1.00	0.67	1.40	50.0	5.8	14.0	79.53	1.29	1.00	48.81
ABPG-108-R-2000	4.47	6	4	7	0.50	0.33	1.35	50.0	7.9	18.0	80.47	1.29		5.11
ABPG-113-R-2000	4.47	0	16	16	0.75	0.17	0.27	50.0	12.2	10.0	68.77	1.29	1.50	32.03
ABPG-118-R-2000	3.45	11	11	10	0.00	0.00	1.01	50.0	10.4	17.0	68.88	1.57		
ABPG-119-R-2000	4.47	0	2	1	0.75	0.17	0.94	50.0	18.6	15.0	56.71	1.86	1.00	2.92
ABPG-302-R-2000	3.92	8	12	14	0.50	0.33	1.01	50.0	15.3	19.0	70.83	1.29	3.00	30.15
ANAC-301-X-2000	4.47	0	7	2	1.00	0.50	0.23	22.5	10.3	5.0	28.80	1.57	4.25	37.26
ANAC-302-X-2000	4.47	0	13	9	1.00	0.67	0.42	25.0	5.8	4.0	40.08	1.29	4.25	94.47
ANAC-303-X-2000	4.46	0	8	11	0.75	0.83	0.25	0.0	13.7	5.0	40.04	1.00	4.00	38.04
BA-N-001-211-96	3.32	4	9	9	1.00	0.67	1.11	0.0	3.0	4.0	54.62	1.00	1.67	67.34
BA-N-011-307-95	2.24	1	10	9	1.00	0.83	1.25	0.0	2.0	6.0	48.44	1.57	3.75	83.73
BA-N-019-301-95	2.65	1	12	16	1.00	0.83	1.05	0.0	1.0	4.0	58.66	3.00	2.33	66.12
BA-N-019-308-95	4.00	0	13	13	1.00	0.83	1.17	0.0	1.0	2.0	62.74	1.57	1.67	63.36
BA-N-045-223-96	2.24	4	8	12	1.00	1.00	0.58	0.0	1.0	2.0	35.19	1.00	3.25	52.12
BA-N-047-128-96	2.83	3	15	10	1.00	1.00	1.25	0.0	2.0	2.0	64.48	1.29	1.22	77.01
BA-N-057-113-96	2.24	5	12	5	0.75	0.33	1.35	0.0	4.0	2.0	61.12	1.00	1.00	20.81
BA-N-065-215-96	2.45	1	16	14	1.00	0.83	0.84	0.0	5.0	9.0	62.29	1.00	2.56	82.33
BC-N-012-120-96	3.16	4	10	11	1.00	0.83	0.68	0.0	6.0	1.0	52.48	1.00	1.00	53.76
BC-N-014-216-95	3.16	4	10	8	1.00	0.67	0.99	0.0	0.0	2.0	48.95	1.29	2.50	65.87
BC-N-014-217-96	3.16	1	17	18	1.00	1.00	0.84	0.0	2.0	2.0	62.69	1.00	1.67	81.02
BC-N-014-224-95	2.83	7	12	4	1.00	0.67	1.25	0.0	1.0	2.0	52.05	1.86	3.00	61.55
BC-N-015-202-96	4.00	0	15	14	1.00	0.83	0.68	0.0	6.0	2.0	55.63	1.00	1.22	32.03
BC-N-015-219-95	2.45	1	15	15	1.00	0.67	0.68	0.0	3.0	6.0	48.47	1.29	2.56	90.97
CA-S-001-1	2.45	6	10	11	0.75	0.50	1.35	30.0	10.0	16.0	81.15		1.25	
CA-S-001-2	2.65	5	9	6	0.75	0.83	0.99	20.0	14.0	17.0	69.41		2.75	
CA-S-012-119-97	4.12	14	12	11	0.75	0.83	1.17	50.0	18.0	19.0	91.30	1.57		33.97
CA-S-014-134-97	2.00	3	4	3	0.75	0.33	1.13	50.0	10.0	16.0	57.51	1.29		11.05
CA-S-015-1	3.46	7	13	10	0.50	0.67	1.09	50.0	15.0	13.0	65.03			
CA-S-015-2	3.16	4	13	15	0.50	0.33	0.99	50.0	16.0	16.0	66.45			
CA-S-019-1	3.16	0	5	2	0.25	0.17	0.84	50.0	14.0	17.0	60.32			

CA-S-019-111-97	4.00	16	9	11	0.50	0.67	1.25	50.0	16.0	16.0	89.01	1.57		8.62
CA-S-019-3	2.45	3	3	1	0.25	0.00	0.89	50.0	18.0	18.0	61.40			
CA-S-041-1	2.45	6	4	2	0.50	0.00	1.25	15.0	5.0	16.0	53.20		1.00	
CA-S-041-2	2.00	4	3	2	0.50	0.33	1.22	50.0	6.0	16.0	49.55		1.25	
CA-S-053-212-97	4.24	12	13	11	0.50	0.83	1.11	50.0	19.0	19.0	79.45	2.43	2.50	73.95
CA-S-056-1	2.24	15	8	5	0.50	0.17	0.74	50.0	18.0	18.0	62.55			
CA-S-056-2	2.45	20	2	1	0.50	0.17	0.89	50.0	17.0	16.0	56.30			
CA-S-074-218-97	4.12	23	16	13	0.50	0.67	0.99	50.0	16.0	16.0	86.90	1.57	2.75	39.08
CA-S-078-308-97	2.24	14	15	12	0.50	0.67	1.11	50.0	15.0	14.0	75.09	3.00	3.25	71.55
CA-S-086-209-97	4.00	14	15	12	0.25	0.67	0.99	50.0	15.0	16.0	79.87	3.29	2.75	47.99
CA-S-088-1	1.41	5	3	2	0.50	0.33	1.20	50.0	16.0	17.0	55.32		1.00	
CA-S-088-2	2.00	4	2	2	0.50	0.17	0.99	50.0	17.0	16.0	58.27			
CA-S-089-201-97	3.74	14	8	5	0.50	0.83	1.05	50.0	15.0	17.0	67.74	3.00	2.75	64.37
CA-S-093-1	3.32	5	15	5	0.75	0.67	0.99	20.0	3.0	9.0	50.68			
CA-S-093-4	2.65	14	11	11	0.25	0.83	1.25	10.0	4.0	11.0	60.01			
CA-S-108-3	3.32	3	3	2	0.50	0.33	1.05	50.0	16.0	17.0	56.66		1.50	
CA-S-108-7	3.32	2	3	2	0.50	0.33	1.05	50.0	16.0	17.0	56.18		1.50	
CA-S-119-210-97	1.73	8	11	12	0.75	0.67	1.11	50.0	18.0	18.0	75.63	2.43	1.50	18.88
CA-S-119-211-97	3.16	6	11	11	0.50	0.67	1.11	50.0	18.0	12.0	78.57	2.71	1.50	17.57
CA-S-123-136-97	3.46	0	4	6	0.75	0.67	1.00	0.0	5.0	14.0	62.64	1.29		19.05
CA-S-156-1	2.24	0	2	1	0.50	0.00	1.17	50.0	16.0	18.0	52.61		1.25	
CA-S-156-2	3.87	10	8	4	0.50	0.50	1.05	50.0	16.0	17.0	70.12		2.50	
CA-S-163-1	3.32	19	3	1	0.50	0.33	1.25	50.0	15.0	17.0	71.67			
CA-S-163-2	2.65	7	4	1	0.75	0.33	0.89	50.0	17.0	17.0	57.21			
CA-S-171-114-97	3.32	13	16	11	1.00	0.83	1.05	50.0	8.0	10.0	79.44	1.00		28.31
CA-S-182-1	2.24	8	10	5	0.75	0.67	1.05	14.0	5.0	15.0	60.35			
CA-S-182-3	2.00	6	10	5	0.75	0.67	1.11	40.0	6.0	15.0	59.92			
CA-S-186-1	2.83	6	11	4	0.50	0.50	1.22	35.0	6.0	10.0	56.02			
CA-S-186-2	2.45	0	2	1	0.50	0.33	1.11	50.0	16.0	16.0	47.23			
CA-S-187-133-97	3.00	6	6	5	0.50	0.50	1.35	50.0	8.0	17.0	57.15	2.43	2.50	15.73
CA-S-197-302-97	2.65	7	5	5	0.75	0.83	1.25	0.0	5.0	7.0	43.42	3.86	4.75	19.91
CA-S-198-107-97	2.65	6	5	6	0.50	0.67	1.19	50.0	14.0	18.0	66.80	3.29	2.50	23.07
CA-S-200-1	1.41	3	2	2	0.50	0.33	1.11	50.0	13.0	17.0	49.35			
CA-S-200-2	2.45	4	6	2	0.25	0.00	0.68	50.0	17.0	18.0	54.77			

CA-S-200-213-97	2.45	12	15	13	0.50	0.83	0.99	40.0	14.0	13.0	80.39	2.14	1.50	29.22
CA-S-207-1	0.00	0	11	10	0.50	0.17	0.32	0.0	0.0	16.0	35.91		2.25	
CA-S-209-1	3.61	10	5	6	0.75	0.17	1.25	50.0	15.0	17.0	80.15			
CA-S-209-2	2.45	2	3	2	0.50	0.50	1.05	50.0	6.0	16.0	54.10			
CE-N-021-302-96	3.61	4	18	17	1.00	1.00	0.68	40.0	6.0	6.0	56.18	3.29	4.33	96.14
CE-N-029-206-96	4.12	2	18	16	1.00	0.50	1.11	5.0	16.0	16.0	76.21	3.29	4.11	90.32
CE-N-033-301-96	3.74	3	16	17	0.75	0.67	0.89	50.0	15.0	15.0	64.15	3.86	4.75	95.42
CE-N-040-119-96	3.74	2	13	5	0.75	0.67	0.52	32.0	10.0	16.0	59.93	1.29	2.75	66.61
CH-S-002-207-95	2.65	3	15	16	1.00	1.00	1.05	0.0	0.0	6.0	60.56	3.29	4.50	90.70
CH-S-012-114-95	3.16	7	11	11	1.00	0.83	1.17	50.0	19.0	19.0	84.28	4.43	3.75	55.40
CH-S-016-225-95	2.45	9	11	7	1.00	1.00	1.25	15.0	8.0	10.0	55.20	4.43	3.50	61.55
CH-S-020-322-95	2.83	18	12	8	0.75	1.00	1.43	50.0	20.0	20.0	71.76	2.71	4.25	77.39
CH-S-033-314-95	2.65	10	15	14	1.00	1.00	1.11	10.0	16.0	7.0	63.69	2.71	3.50	90.03
CH-S-039-203-95	2.00	14	15	16	1.00	1.00	1.25	0.0	3.0	13.0	70.83	3.29	4.25	80.85
CH-S-039-224-95	2.65	2	7	13	1.00	0.67	1.11	2.0	6.0	12.0	57.42	4.43	2.00	34.97
CH-S-044-303-95	3.87	0	4	11	1.00	0.17	0.79	20.0	14.0	15.0	45.90	3.86	3.00	13.03
CH-S-062-313-95	4.24	23	11	10	0.75	0.67	1.35	50.0	20.0	19.0	75.35	3.29	4.25	71.77
CH-S-080-222-95	3.87	9	7	3	0.75	0.33	1.35	50.0	15.0	18.0	53.63	2.43	1.00	6.96
CH-S-086-217-95	4.12	6	15	9	0.75	0.83	1.11	5.0	1.0	1.0	62.80	4.43	4.00	71.77
CH-S-089-205-95	2.65	10	15	11	1.00	0.83	1.28	5.0	3.0	11.0	63.99	4.14	4.75	81.02
CH-S-091-131-97	2.65	8	7	5	0.75	0.67	0.74	50.0	13.0	17.0	55.33	3.57	4.75	43.61
CH-S-100-108-95	3.00	2	6	9	1.00	0.67	1.28	30.0	11.0	15.0	70.99	3.57		20.63
CH-S-105-119-95	2.65	8	6	4	1.00	0.83	1.35	20.0	3.0	6.0	59.04	2.71	3.25	18.55
CH-S-123-317-95	2.24	16	13	11	0.75	1.00	1.28	50.0	7.0	10.0	62.26	4.14	3.00	76.02
CH-S-139-116-95	4.12	10	6	2	0.25	0.33	0.79	50.0	16.0	18.0	60.10	1.86	2.25	13.28
CH-S-156-206-95	1.73	2	5	5	1.00	0.83	1.35	48.0	13.0	9.0	53.73	1.86	4.00	15.59
CH-S-177-129-95	4.12	5	15	13	0.50	0.33	0.99	50.0	18.0	19.0	84.21	2.71	2.75	58.64
CH-S-180-305-95	3.46	7	8	3	0.75	1.00	1.05	50.0	16.0	18.0	50.35	4.14	4.25	62.59
CH-S-188-134-95	3.32	9	6	2	0.75	0.67	1.43	40.0	8.0	16.0	66.78	2.43		18.88
CH-S-194-321-95	3.87	0	8	14	1.00	0.50	0.74	10.0	10.0	15.0	48.42	3.86	3.50	32.75
CH-S-213-120-95	3.74	5	4	1	0.50	0.50	1.28	15.0	9.0	12.0	60.20	1.00	1.75	3.84
CH-S-217-201-95	2.65	7	16	14	1.00	1.00	1.23	50.0	15.0	16.0	76.22	1.57	5.00	95.38
CH-S-225-324-95	3.61	5	9	11	0.75	0.67	1.35	50.0	18.0	19.0	67.35	3.57	4.00	39.08
CH-S-231-202-97	2.65	6	9	12	0.75	1.00	1.30	39.0	8.0	17.0	59.55	3.29	4.75	71.32

CH-S-231-209-97	2.83	7	10	9	0.75	1.00	0.89	50.0	15.0	13.0	60.66	4.14	4.75	72.44
CH-S-234-315-95	3.61	19	15	11	0.75	1.00	1.11	50.0	12.0	18.0	73.81	5.00	4.00	92.40
CH-S-257-306-95	3.16	15	17	12	1.00	1.00	1.35	50.0	15.0	18.0	83.62	4.43	4.25	97.28
CH-S-270-318-95	2.00	1	6	11	1.00	0.67	1.35	15.0	10.0	15.0	49.41	3.86	2.50	13.54
CH-S-271-219-95	3.32	10	10	3	0.75	0.50	1.30	50.0	18.0	18.0	65.28	3.29	4.00	32.99
CH-S-288-101-95	2.83	4	8	5	0.75	1.00	1.35	50.0	16.0	15.0	69.15	3.86	4.75	50.47
CH-S-292-211-95	2.83	7	8	6	1.00	0.67	1.22	6.0	15.0	19.0	60.99	4.43	4.50	45.52
CH-S-293-136-95	2.83	1	0	0	0.50	0.33	1.25	0.0	0.0	1.0	44.11	2.71		1.16
CH-S-294-236-97	2.65	7	14	13	1.00	1.00	0.94	50.0	11.0	17.0	64.78	3.57	4.25	90.42
CH-S-299-202-95	4.12	17	16	11	0.75	1.00	1.30	50.0	16.0	19.0	85.81	4.14	4.25	98.03
CH-S-327-221-95	2.45	11	15	13	1.00	1.00	1.05	50.0	13.0	16.0	72.08	3.86	4.00	91.84
CH-S-331-301-95	2.65	5	7	4	0.50	0.50	0.79	40.0	11.0	16.0	43.73	3.00	3.75	49.92
CH-S-331-304-95	3.87	9	12	5	0.75	1.00	1.25	0.0	10.0	6.0	62.10	3.86	4.75	69.95
CH-S-333-216-95	3.74	11	16	13	1.00	1.00	1.05	0.0	0.0		64.36	3.57	4.00	87.87
CN-N-002-1	3.74	3	6	4	0.50	0.83	1.17	50.0	18.0	12.0	52.59		3.25	
CN-N-002-2	3.74	7	11	10	0.75	0.83	0.89	50.0	19.0	16.0	61.25		3.00	
CN-N-004-311-97	3.61	20	16	17	0.75	1.00	0.99	50.0	17.0	8.0	78.92	1.57	4.00	81.68
CN-N-005-103-97	3.46	7	17	14	0.75	0.83	1.11	20.0	15.0	15.0	79.05	2.14	3.00	89.42
CN-N-016-107-97	3.87	1	5	3	0.25	0.33	0.46	4.0	7.0	13.0	52.21	1.29		6.15
CN-N-020-109-96	4.00	13	15	10	0.50	0.50	0.94	10.0	11.0	6.0	75.02	1.86	3.75	34.72
CN-N-023-3	4.24	5	7	5	0.25	0.17	0.89	50.0	16.0	15.0	68.05		2.00	
CN-N-024-113-96	3.16	10	12	10	0.75	0.83	1.11	37.0	16.0	17.0	80.10	2.14	2.75	28.99
CN-N-028-1	3.87	6	15	10	0.50	0.67	1.05	25.0	16.0	13.0	76.31		2.50	
CN-N-028-2	3.74	4	9	6	0.75	0.50	1.05	15.0	12.0	16.0	67.61		2.75	
CN-N-031-122-95	3.61	0	10	5	0.25	0.50	0.32	15.0	16.0	16.0	51.35	1.86	3.75	33.97
CN-N-034-1	4.12	15	15	9	0.50	0.67	1.17	25.0	15.0	17.0	80.67		3.50	
CN-N-034-2	4.24		13	5	0.50	0.50	0.89	50.0	17.0	17.0	79.49		2.50	
CN-N-035-1	4.36	6	13	5	0.50	0.50	1.11	50.0	20.0	18.0	82.98		3.00	
CN-N-035-2	4.36	7	12	5	0.50	0.67	1.25	50.0	20.0	18.0	83.92		3.25	
CN-N-039-108-96	3.87	0	16	6	0.50	0.50	0.23	4.0	6.0	15.0	61.10	1.29	3.75	56.49
CN-N-039-2	3.32	0	9	5	0.50	0.00	0.40	5.0	4.0	4.0	52.54		3.50	
CN-N-039-8	3.74	0	10	6	0.50	0.50	1.35	50.0	16.0	16.0	78.67			
CN-N-041-205-96	3.87	13	18	16	0.75	0.83	0.94	50.0	17.0	16.0	86.52	4.14	3.25	90.42
CN-N-043-102-97	3.87	0	6	5	0.75	0.33	0.32	5.0	6.0	13.0	47.97	1.29	2.50	10.73

CN-N-044-1	4.24	10	15	7	0.50	0.83	0.89	50.0	15.0	17.0	73.14		3.50	
CN-N-044-3	4.24	7	14	12	1.00	0.50	1.05	50.0	15.0	16.0	80.65		4.00	
CN-N-046-105-97	4.00	1	6	5	0.25	0.50	0.32	5.0	6.0	15.0	51.82	1.29	2.25	10.83
CN-N-049-116-97	4.24	23	17	16	0.75	0.83	0.94	20.0	18.0	16.0	90.22	3.29	3.75	85.59
CN-N-050-102-96	3.74	0	16	13	0.75	0.50	0.68	15.0	15.0	16.0	80.76	1.86	3.50	78.15
CN-N-051-202-96	3.61	13	16	15	1.00	1.00	1.05	50.0	15.0	17.0	81.10	1.86	3.75	95.75
CN-S-002-111-96	4.12	18	15	16	0.75	1.00	0.99	50.0	15.0	17.0	84.76	4.14	3.50	91.84
CN-S-006-208-95	3.87	14	16	13	0.75	0.67	0.89	50.0	15.0	14.0	79.58	4.43	4.00	78.53
CORS-102-R-2000	1.03	12	10	8	0.75	1.00	1.11	50.0	4.6	18.0	59.01	3.29		51.02
CORS-106-R-2000	4.07	15	15	12	0.75	0.83	1.05	42.0	12.4	15.0	84.94	2.14	4.25	65.12
CORS-107-R-2000	2.24	9	11	10	0.75	0.83	0.94	41.0	3.5	17.0	60.93	2.71	3.50	53.49
CORS-108-R-2000	3.46	13	14	13	1.00	1.00	1.25	50.0	8.6	14.0	79.15	4.71	4.00	85.71
CORS-205-R-2000	4.43	25	15	13	0.75	0.83	0.52	50.0	17.0	17.0	78.75	3.86	4.75	65.87
DO-S-003-202-95	4.12	9	16	13	0.50	0.67	1.17	50.0	15.0	19.0	85.94	4.14	4.75	87.75
DO-S-006-101-95	3.32	7	6	5	0.50	0.33	1.05	25.0	6.0	4.0	59.00	2.71	3.25	8.79
DO-S-006-115-95	2.65	6	15	13	0.75	0.50	0.94	0.0	6.0	6.0	69.25	3.29	3.75	64.63
DO-S-029-103-95	3.32	9	7	3	0.75	0.33	0.94	50.0	5.0	11.0	52.12	1.29	3.00	26.13
DO-S-035-111-95	3.32	13	7	4	0.50	0.33	0.99	35.0	11.0	14.0	60.54	3.00	3.00	14.06
HA-N-009-105-96	3.32	8	8	9	1.00	0.83	0.99	0.0	6.0	5.0	70.91	1.86		47.44
HA-N-018-103-96	2.45	5	10	2	1.00	0.17	1.11	50.0	11.0	16.0	67.32	2.43		23.66
HA-N-036-206-96	2.45	4	10	15	1.00	0.67	1.17	15.0	13.0	7.0	72.69	1.86	3.89	57.57
HA-N-040-307-96	3.46	3	10	11	1.00	0.67	0.68	10.0	5.0	14.0	53.71	2.71	3.44	78.34
HA-N-052-202-96	2.24	8	18	18	0.75	1.00	0.99	50.0	11.0	15.0	78.68	2.71	5.00	95.42
HA-N-067-111-96	2.83	9	13	10	0.75	1.00	1.11	50.0	16.0	16.0	78.07	1.00	3.22	91.84
HA-N-068-301-96	3.74	6	18	17	0.75	0.83	0.99	3.0	5.0	13.0	76.31	2.43	4.56	96.97
HA-N-068-308-96	4.00	0	16	17	0.75	0.67	1.05	8.0	5.0	13.0	76.24	1.00	4.56	71.55
HA-N-086-201-96	2.83	4	17	16	0.75	0.83	0.99	50.0	4.0	16.0	74.13	2.14	3.67	90.61
HA-N-092-304-96	4.12	1	17	17	1.00	0.50	0.68	3.0	5.0	17.0	68.60	3.00	4.11	87.02
HA-N-099-305-96	3.00	0	17	13	0.75	0.67	0.89	50.0	9.0	13.0	69.47	1.57	4.56	93.48
HO-N-001-210-95	3.16	2	13	12	1.00	1.00	0.97	0.0	11.0	10.0	72.44	1.57	4.50	85.31
HO-N-018-213-95	2.24	2	15	15	1.00	1.00	1.05	45.0	8.0	17.0	72.61	1.57	3.44	88.78
HO-N-019-304-96	2.00	18	6	5	0.75	0.67	1.35	50.0	10.0	6.0	55.90	2.71	3.25	46.62
HO-N-022-104-97	2.00	1	13	11	1.00	0.67	1.25	14.0	1.0	5.0	67.92	1.86	1.89	41.19
HO-N-026-305-95	2.65	7	7	8	0.75	1.00	0.99	25.0	11.0	11.0	60.24	2.43	4.25	69.25

HO-N-038-204-97	3.16	3	14	16	1.00	0.83	1.25	40.0	5.0	8.0	78.39	2.14	2.11	63.10
HO-N-039-114-97	3.16	4	7	16	1.00	0.67	1.11	0.0	0.0	12.0	66.79	3.29	3.67	33.73
KE-N-018-216-95	4.12	12	12	4	0.25	0.67	1.11	50.0	17.0	15.0	76.33	3.00	3.00	66.86
KE-N-045-108-95	4.24	21	5	10	0.50	0.33	1.25	50.0	13.0	15.0	75.46	1.29	1.00	7.11
KE-N-046-226-95	3.46	16	13	7	0.75	0.50	0.99	50.0	19.0	19.0	72.65	3.57	4.25	67.10
KE-N-054-114-95	3.61	7	6	3	0.25	0.33	1.25	50.0	6.0	6.0	62.43	1.86	1.00	3.45
KE-N-067-213-95	3.61	18	13	6	0.25	0.50	0.58	35.0	11.0	16.0	63.95	1.86	2.75	69.25
KE-N-096-102-95	4.00	34	15	5	0.25	0.50	1.11	50.0	12.0	16.0	79.16	1.86	2.75	57.30
KE-N-128-122-95	2.45	1	7	3	0.75	0.67	1.25	2.0	1.0	15.0	54.38	1.57	4.00	24.67
LOCR-102-S-2000	4.47	15	16	17	0.75	0.83	0.68	50.0	7.2	18.0	79.13	1.29		74.57
LOWI-102-R-2000	3.62	15	6	5	0.50	0.50	1.35	25.5	5.8	17.0	65.82	1.57	2.00	12.31
LOWI-103-R-2000	4.47	14	16	11	0.25	0.50	1.43	30.0	3.5	10.0	82.54	1.29	2.50	33.73
LOWI-104-R-2000	4.47	320	16	13	0.50	1.00	1.35	42.5	7.8	12.0	83.71	3.00	4.25	63.35
LOWI-113-R-2000	3.16	1	6	9	0.25	0.67	0.89	35.0	4.6	15.0	58.77	1.00		20.64
LPAX-203-R-2000	3.87	12	16	17	0.75	1.00	1.37	50.0	11.0	4.0	87.96	1.29	3.25	83.87
LPAX-206-R-2000	3.69	5	16	6	1.00	1.00	1.30	40.0	2.9	1.0	69.47	1.86	4.25	79.07
LPAX-401-R-2000	2.45	135	18	16	1.00	1.00	1.05	50.0	20.0	16.0	76.81	1.57	4.25	99.48
LPAX-408-R-2000	3.06	23	16	15	0.75	1.00	0.89	46.0	4.6	8.0	61.66	1.86	4.75	96.29
MATT-033-S-2000	3.67	21	19	18	1.00	1.00	1.17	50.0	20.0	19.0	88.43	3.86	3.50	96.13
MATT-104-R-2000	4.28	7	11	9	0.75	0.67	1.25	33.0	4.3	19.0	73.83	3.57	2.00	33.98
MATT-105-R-2000	4.40	10	18	17	1.00	1.00	1.25	50.0	20.0	20.0	97.48	3.00	1.75	97.07
MATT-108-R-2000	4.43	14	19	17	1.00	1.00	1.11	6.0	20.0	19.0	95.51	2.71	2.00	96.87
MATT-109-R-2000	4.40	6	13	16	1.00	1.00	1.35	50.0	6.3	18.0	86.36	1.86	2.75	79.61
MATT-115-R-2000	4.47	12	19	13	0.75	0.67	1.35	24.0	5.3	15.0	86.72	2.14		89.72
MATT-117-R-2000	4.28	7	8	6	1.00	0.67	1.35	35.0	16.2	19.0	86.04	3.29		26.57
MATT-210-R-2000	3.65	17	17	10	1.00	1.00	1.30	50.0	12.2	16.0	80.67	4.14	3.50	94.47
MATT-212-R-2000	4.16	7	16	13	1.00	0.83	1.05	50.0	11.5	17.0	85.06	4.71	4.25	87.74
MATT-216-R-2000	4.06	10	17	12	1.00	1.00	0.94	41.0	5.3	13.0	72.67	4.43	4.25	96.05
MATT-305-X-2000	3.79	18	16	15	0.75	1.00	1.35	30.0	0.0	14.0	70.01	3.29	2.50	
MATT-320-R-2000	4.20	34	18	15	1.00	1.00	0.99	50.0	5.8	18.0	76.05	3.57	3.00	89.82
MONI-126-R-2000	4.40	22	16	12	0.50	0.83	1.37	26.0	2.6	15.0	79.79	1.00		79.43
NANJ-104-R-2000	3.87	4	12	14	1.00	0.83	1.35	27.5	16.2	18.0	91.21	3.29	3.50	58.64
NANJ-109-R-2000	4.47	0	5	5	0.25	0.33	1.43	50.0	19.4	19.0	82.29	1.00		
NANJ-111-R-2000	4.12	4	10	11	1.00	0.67	1.35	50.0	12.0	19.0	85.43	3.86		42.00

NANJ-112-R-2000	3.74	9	16	14	1.00	1.00	0.94	50.0	0.0	6.0	71.41	3.29	2.50	71.31
NANJ-115-R-2000	3.56	15	17	11	1.00	1.00	1.11	50.0	20.0	19.0	88.24	3.00	3.75	94.35
NANJ-117-R-2000	4.47	2	3	4	0.25	0.33	1.35	26.0	18.6	20.0	77.98	1.00	1.00	
NANJ-119-R-2000	4.47	11	16	16	1.00	0.83	1.35	50.0	14.9	20.0	95.90	3.57		76.40
NANJ-205-R-2000	4.47	24	19	18	0.75	0.83	0.68	50.0	9.0	18.0	80.75	1.86		92.47
NANJ-206-R-2000	4.42	9	16	15	0.75	1.00	1.17	50.0	0.0	15.0	76.45	2.43	1.50	88.54
NANJ-308-R-2000	3.63	10	16	11	1.00	0.83	1.17	50.0	16.2	20.0	80.34	2.71	3.50	83.42
NANJ-331-S-2000	3.54	12	13	11	1.00	1.00	1.32	50.0	9.6	16.0	74.99	3.57	3.00	88.09
NASS-108-S-2000	4.47	54	17	16	0.50	0.67	1.47	46.0	5.4	15.0	86.49	1.00		81.67
NASS-301-S-2000	4.47	28	19	16	0.50	0.67	1.25	45.0	5.8	14.0	83.16	2.71	3.25	90.96
PAXL-294-S-2000	4.24	9	18	16	1.00	1.00	0.99	50.0	20.0	20.0	91.63	3.86	3.00	96.41
PG-N-003-2	1.41	2	17	14	0.75	0.67	0.94	0.0	1.0	13.0	58.33		2.75	
PG-N-003-3	3.32	7	14	11	0.75	0.83	1.35	50.0	11.0	16.0	74.81		3.25	
PG-N-007-127-97	4.36	0	1	2	1.00	0.33	0.89	0.0	0.0	1.0	52.51	1.86		2.56
PG-N-015-1	1.73	4	10	5	0.75	0.67	1.11	50.0	5.0	6.0	54.85		3.50	
PG-N-015-2	2.00	4	8	10	0.50	0.83	1.40	0.0	5.0	0.0	62.42			
PG-N-027-213-97	1.41	16	7	6	0.75	0.83	1.40	50.0	8.0	7.0	54.27	3.57	4.50	50.47
PG-N-028-301-97	3.16	6	11	4	1.00	0.83	1.05	50.0	15.0	16.0	66.86	3.57	4.00	65.38
PG-N-041-305-97	2.65	11	10	6	0.75	0.83	1.25	50.0	6.0	1.0	59.46	1.29	4.00	75.81
PG-N-063-2	4.36	0	1	0	0.00	0.00	0.63	0.0	0.0	3.0	43.10		1.00	
PG-N-063-6	3.32	0	13	15	1.00	0.67	0.89	0.0	1.0	4.0	65.85		1.50	
PG-N-065-103-97	4.47	0	2	5	0.25	0.17	0.32	0.0	1.0	2.0	43.32	1.29	1.50	5.16
PG-N-068-125-97	4.00	6	7	1	0.75	0.50	0.23	50.0	10.0	17.0	49.23	2.71	3.50	16.48
PG-N-069-1	2.83	2	15	14	1.00	0.33	1.17	0.0	1.0	11.0	74.58			
PG-N-069-2	2.00	6	16	16	0.75	0.50	0.84	50.0	15.0	16.0	79.19		2.50	
PG-N-071-212-97	2.65	4	11	11	0.75	1.00	1.11	0.0	3.0	5.0	64.95	2.43	3.25	71.55
PG-N-081-1	4.36	0	2	1	0.75	0.17	0.40	30.0	2.0	2.0	41.32		1.50	
PG-N-081-2	4.36	0	1	1	0.00	0.17	0.32	10.0	1.0	1.0	38.25			
PG-N-087-115-97	3.87	5	5	5	0.50	0.83	1.28	14.0	12.0	17.0	73.57	1.29		14.06
PG-N-087-2	1.41	0	2	2	0.50	0.50	1.17	50.0	17.0	16.0	60.93		2.00	
PG-N-087-4	2.00	2	2	2	0.25	0.17	1.25	50.0	15.0	19.0	63.10			
PG-N-097-121-97	1.73	14	8	4	0.75	1.00	1.11	50.0	8.0	9.0	53.85	2.71	3.50	63.36
PG-N-098-320-97	4.24	5	16	7	0.75	1.00	1.11	50.0	16.0	16.0	78.47	4.14	4.00	88.44
PG-N-117-329-97	4.12	1	15	17	1.00	0.67	0.94	0.0	4.0	10.0	70.92	1.57	2.33	85.86

PG-N-119-1	2.45	3	11	12	0.50	0.33	0.84	0.0	0.0	2.0	61.48			
PG-N-119-2	3.74	0	11	11	0.75	0.17	0.68	0.0	0.0	2.0	66.05			
PG-N-125-218-97	3.16	4	16	3	1.00	0.83	1.11	0.0	1.0	1.0	58.30	1.57	3.25	71.55
PG-N-125-228-97	3.46	2	16	4	1.00	1.00	1.17	0.0	1.0	1.0	61.38	1.29	2.50	77.01
PG-N-130-327-97	3.61	4	12	7	1.00	0.67	0.79	50.0	2.0	9.0	50.75	3.86	4.25	87.87
PG-N-135-231-97	2.45	14	12	5	0.75	0.67	1.05	50.0	3.0	13.0	53.18	3.00	3.75	76.02
PG-N-137-1	4.36	0	6	6	1.00	0.67	0.32	0.0	1.0	1.0	45.11		4.00	
PG-N-137-2	4.36	0	11	2	0.75	1.00	0.40	3.0	3.0	2.0	48.70		4.00	
PG-N-141-1	3.32	4	8	9	0.75	0.33	1.25	0.0	2.0	5.0	57.85		4.25	
PG-N-141-2	2.65	5	5	2	0.50	0.33	1.11	0.0	2.0	11.0	45.93		4.00	
PG-N-141-215-97	2.24	11	7	4	1.00	0.83	0.99	12.0	4.0	7.0	48.26	2.71	4.75	40.66
PG-N-141-223-97	2.00	2	6	5	0.75	0.50	0.79	0.0	3.0	9.0	43.66	2.14	4.75	33.97
PG-N-152-124-97	2.00	8	7	4	0.75	1.00	0.99	0.0	1.0	12.0	46.56	2.71	2.75	54.04
PG-N-155-201-97	4.00	8	17	6	1.00	1.00	1.17	50.0	17.0	16.0	78.70	4.14	4.75	95.38
PG-N-163-111-97	4.36	0	5	3	0.75	0.33	1.35	50.0	13.0	16.0	74.92	1.86		7.79
PG-N-171-309-97	4.12	1	15	8	1.00	0.33	0.46	30.0	6.0	2.0	55.75	1.00	3.50	83.73
PG-N-190-103-97	2.24	5	7	11	1.00	0.83	1.11	50.0	8.0	15.0	66.27	2.43	1.75	58.91
PG-N-194-1	2.00	7	7	11	0.75	1.00	0.94	50.0	18.0	18.0	65.12		3.25	
PG-N-194-2	1.73	7	14	6	0.75	0.83	1.17	50.0	16.0	10.0	67.68		3.75	
PG-N-201-330-97	4.00	1	16	16	1.00	1.00	0.58	12.0	0.0	12.0	61.09	1.00	3.75	92.78
PG-N-205-2	2.00	3	3	3	0.75	0.33	1.25	50.0	14.0	15.0	65.50		1.00	
PG-N-205-4	2.45	2	4	5	0.25	0.33	1.05	0.0	5.0	10.0	52.67		4.00	
PG-N-206-1	4.36	14	9	2	0.25	0.17	0.79	50.0	15.0	18.0	67.84		2.00	
PG-N-206-2	1.41	1	1	1	0.50	0.17	1.17	0.0	5.0	16.0	46.10		2.25	
PG-N-213-113-97	1.00	0	2	2	0.75	0.50	1.35	50.0	12.0	15.0	54.18	2.14	2.00	9.72
PG-N-216-135-97	2.00	1	7	11	0.75	0.50	1.28	34.0	3.0	5.0	62.16	2.14	1.00	25.50
PG-N-219-1	1.41	4	4	2	0.50	0.33	1.17	50.0	11.0	10.0	46.04			
PG-N-219-306-97	2.00	18	12	10	0.75	1.00	1.07	50.0	11.0	8.0	61.95	3.57	4.50	73.31
PG-N-219-324-97	2.00	35	14	11	0.75	1.00	1.11	50.0	9.0	6.0	63.48	2.71	4.75	89.21
PG-N-219-5	1.73	13	5	3	0.50	0.50	0.89	50.0	16.0	12.0	49.31		3.75	
PG-N-232-321-97	3.46	9	12	10	1.00	1.00	1.17	50.0	18.0	17.0	74.33	2.43	3.25	96.74
PG-N-239-2	3.32	4	12	11	0.75	0.83	1.11	2.0	6.0	6.0	75.38		3.50	
PG-N-239-3	3.32	3	15	11	0.50	1.00	1.47	50.0	8.0	10.0	82.58		2.75	
PG-N-246-219-97	4.00	4	9	10	1.00	0.67	0.52	50.0	8.0	8.0	59.37	1.86	3.25	34.72

PG-N-251-305-97	4.24	0	11	8	0.75	0.83	0.99	10.0	7.0	7.0	65.84	1.86	3.25	37.51
PG-N-253-122-97	3.00	3	9	11	1.00	0.83	1.05	0.0	3.0	7.0	69.94	2.14		49.36
PG-N-257-303-97	4.00	9	16	11	1.00	1.00	1.40	50.0	8.0	16.0	76.66	1.00	3.00	94.42
PG-N-257-306-97	4.00	5	16	16	1.00	1.00	1.17	10.0	9.0	16.0	80.41	1.57	3.50	94.65
PG-N-257-324-97	4.00	4	18	16	1.00	0.83	1.11	12.0	9.0	16.0	81.29	2.14	3.75	94.81
PG-N-259-1	2.45	6	7	2	0.50	0.50	1.25	50.0	15.0	10.0	58.95		3.75	
PG-N-259-2	2.24	4	9	5	0.75	0.67	0.99	50.0	12.0	12.0	56.36		3.75	
PG-N-260-1	4.36	0	0	0	0.25	0.17	0.23	0.0	0.0	0.0	35.23			
PG-N-260-2	4.00	1	11	2	0.75	0.83	0.40	0.0	4.0	12.0	52.66		3.25	
PG-N-271-9	1.00	3	0	0	0.25	0.17	1.22	14.0	4.0	15.0	46.06		1.00	
PG-N-274-128-97	3.00	2	9	11	1.00	0.67	1.25	50.0	11.0	18.0	74.25	2.43	4.00	61.55
PG-S-007-108-97	4.00	7	3	12	0.75	0.33	1.13	50.0	15.0	18.0	85.46	1.29		21.54
PG-S-032-209-95	3.74	6	6	5	0.75	1.00	1.05	17.0	8.0	12.0	57.15	2.43	2.25	62.84
PG-S-035-301-97	2.45	7	7	4	0.75	1.00	1.17	49.0	2.0	11.0	47.61	3.57	4.75	63.87
PG-S-047-211-97	3.32	18	5	4	0.50	0.67	0.79	50.0	16.0	17.0	58.25	3.57	5.00	50.47
PG-S-052-109-95	2.45	7	11	7	0.75	1.00	1.25	50.0	18.0	6.0	77.56	3.57	4.00	49.09
PRUT-201-X-2000	4.47	2	6	8	0.75	0.83	0.68	40.0	7.9	7.0	58.35	1.29	3.50	19.58
PTOB-002-S-2000	4.36	8	17	15	1.00	1.00	1.11	50.0	20.0	20.0	93.23	3.57	4.25	93.20
QA-N-007-217-95	3.74	37	18	15	0.75	1.00	1.05	50.0	17.0	18.0	85.29	4.14	3.25	98.47
QA-N-010-107-95	4.00	0	9	11	1.00	0.33	0.99	30.0	16.0	18.0	85.45	3.57		44.70
QA-N-014-204-95	3.61	9	12	5	0.75	1.00	1.17	20.0	5.0	15.0	64.02	3.29	4.50	74.79
QA-N-014-219-95	3.16	10	15	4	0.25	0.50	0.89	20.0	16.0	15.0	70.74	3.00	4.75	64.88
QA-N-024-209-95	2.83	7	14	11	0.75	0.83	1.05	50.0	19.0	16.0	77.05	4.14	3.50	43.89
QA-N-030-128-95	2.45	7	3	3	0.25	0.33	1.17	25.0	6.0	11.0	54.78	2.43	2.50	3.31
QA-N-031-202-95	1.41	11	5	3	0.50	0.67	1.05	30.0	6.0	11.0	47.12	1.57	2.50	34.47
QA-N-031-203-95	2.00	10	6	5	0.25	0.33	0.99	20.0	6.0	11.0	51.36	2.14	4.25	41.73
QA-N-031-225-95	2.00	6	6	2	0.25	0.50	0.99	25.0	16.0	13.0	57.45	1.57	3.50	34.47
QA-N-033-301-95	3.61	15	12	4	0.50	0.83	0.89	50.0	17.0	18.0	65.50	3.57	4.50	73.95
QA-N-033-304-95	3.46	9	16	15	1.00	1.00	1.05	50.0	16.0	16.0	81.64	3.86	3.75	97.85
QA-N-033-309-95	3.32	15	12	10	0.75	0.67	0.89	50.0	16.0	16.0	69.17	3.86	4.50	44.16
QA-N-033-310-95	4.00	8	11	12	0.75	0.67	0.89	50.0	17.0	19.0	73.59	4.14	4.50	63.10
QA-N-033-311-95	3.46	4	16	15	0.75	0.83	0.94	50.0	16.0	16.0	80.05	3.86	4.75	93.48
QA-N-033-313-95	3.61	8	18	15	0.75	0.83	0.79	50.0	16.0	16.0	80.40	4.14	4.75	94.00
QA-N-033-314-95	2.45	16	10	7	0.75	0.83	0.89	50.0	15.0	16.0	60.53	3.86	4.75	53.76

QA-N-033-317-95	4.00	7	15	15	0.75	0.83	1.11	50.0	15.0	17.0	82.71	4.71	3.75	93.21
QA-N-033-318-95	3.61	2	7	3	0.50	0.50	1.17	10.0	16.0	16.0	64.17	3.57	3.25	26.56
QA-N-033-321-95	4.12	15	15	14	0.75	0.83	1.11	50.0	16.0	19.0	82.05	3.57	4.50	86.64
QA-N-040-1	4.24	3	16	11	0.75	1.00	0.79	50.0	13.0	19.0	76.56		2.50	
QA-N-040-2	4.36	3	15	10	0.75	0.67	0.99	50.0	15.0	19.0	79.93		3.50	
QA-N-040-206-96	3.16	11	16	11	0.75	1.00	1.17	50.0	17.0	16.0	81.86	1.86	4.00	84.18
QA-N-041-109-95	2.00	3	6	5	0.25	0.67	0.68	0.0	5.0	5.0	45.34	1.86	3.75	7.48
QA-N-041-113-95	3.32	5	2	1	0.25	0.17	0.99	5.0	6.0	5.0	51.46	1.57	2.50	2.30
QA-N-042-116-95	2.45	7	10	1	1.00	0.50	0.89	10.0	1.0	0.0	48.33	2.14	4.00	21.36
QA-N-047-204-96	3.74	0	15	13	0.75	0.50	0.40	4.0	16.0	16.0	70.88	1.86	4.00	87.02
QA-N-048-221-95	2.65	8	11	6	0.50	0.33	0.99	50.0	17.0	17.0	65.89	3.57	3.75	47.71
QA-N-052-202-97	3.46	0	11	7	0.75	0.67	0.32	0.0	7.0	6.0	50.27	1.86	4.50	69.02
QA-N-059-125-95	3.74	4	6	4	0.75	0.83	0.68	15.0	6.0	13.0	55.45	2.14	3.75	12.06
QA-N-066-207-95	2.24	6	14	2	0.50	0.33	1.11	40.0	16.0	13.0	66.55	2.71	3.25	50.47
QA-N-079-308-95	2.45	8	9	3	0.50	0.67	0.68	50.0	12.0	16.0	52.53	3.86	3.75	59.44
QA-N-079-316-95	2.00	12	8	2	0.50	0.67	1.11	50.0	14.0	16.0	57.07	3.57	4.00	59.44
QA-N-085-307-97	4.00	0	12	7	0.75	0.33	0.46	2.0	6.0	13.0	51.73	2.14	4.50	28.99
QA-N-085-312-97	4.00	0	10	8	0.75	0.33	0.32	10.0	3.0	16.0	46.05	2.43	4.50	25.92
QA-N-086-118-95	2.24	9	5	5	0.75	0.50	1.17	50.0	6.0	16.0	54.25	3.86	3.00	11.49
QA-N-086-126-95	3.16	10	7	5	0.75	0.50	1.25	50.0	12.0	11.0	67.73	2.14	2.50	6.22
QA-N-098-301-96	3.16	1	15	14	0.75	0.50	0.32	25.0	15.0	18.0	64.83	3.00	4.75	88.21
QA-N-098-302-96	3.74	0	16	9	0.75	0.83	0.40	5.0	16.0	16.0	65.09	3.29	4.75	94.18
QA-N-098-302-97	4.00	0	10	8	0.75	0.50	0.46	0.0	7.0	10.0	52.41	3.00	4.50	56.49
QA-N-098-307-96	3.16	0	10	13	0.75	0.33	0.40	50.0	16.0	16.0	61.24	3.29	4.25	81.18
QA-N-098-308-96	3.87	0	18	15	0.75	0.17	0.58	14.0	6.0	15.0	66.65	2.71	4.25	91.59
QA-N-098-308-97	3.87	0	13	12	0.75	0.67	0.46	15.0	6.0	17.0	57.52	1.86	4.75	70.64
QA-N-098-309-96	3.87	0	18	15	0.75	0.33	0.46	19.0	16.0	11.0	74.03	2.43	4.75	90.61
QA-N-098-315-97	3.74	0	11	12	0.75	0.50	0.46	14.0	2.0	16.0	51.76	1.86	5.00	55.13
QA-N-103-203-96	3.46	9	16	9	0.75	0.83	1.17	25.0	17.0	17.0	84.87	3.57	3.75	87.63
QA-N-105-1	2.65	0	10	5	0.50	0.17	0.46	3.0	16.0	16.0	56.60		4.25	
QA-N-105-2	2.24	0	10	8	0.75	0.17	0.46	2.0	5.0	5.0	48.09		3.75	
QA-N-111-312-95	3.61	10	13	12	0.50	0.67	0.79	50.0	18.0	18.0	73.61	4.43	3.50	64.12
QA-N-111-315-95	3.74	8	16	14	0.75	0.83	0.68	50.0	15.0	16.0	74.62	4.43	4.25	88.33
QA-N-114-2	3.46	4	10	5	0.50	0.67	0.79	50.0	16.0	11.0	71.16		3.25	

QA-N-114-4	3.32	0	6	4	0.75	0.17	0.46	1.0	7.0	5.0	53.27			
QA-N-998-1	2.45	3	15	4	0.25	0.83	0.99	50.0	14.0	18.0	65.53			
QA-N-999-1	4.00	6	13	9	0.50	0.33	1.17	50.0	19.0	18.0	81.13			
SEAS-109-R-2000	1.10	11	14	13	1.00	0.83	1.35	50.0	7.9	10.0	73.62	4.14	2.75	55.94
SEAS-111-R-2000	1.87	8	7	6	0.75	0.83	1.25	50.0	11.0	11.0	62.18	4.43	4.50	20.10
SEAS-113-R-2000	4.47	10	6	5	0.75	0.67	1.35	50.0	7.0	18.0	70.66	3.00	3.50	34.98
SEAS-116-R-2000	4.16	10	8	6	0.50	0.83	1.17	40.0	17.3	19.0	76.07	2.43	3.00	54.31
SEAS-120-R-2000	4.26	2	1	1	0.50	0.33	1.17	13.5	17.0	10.0	72.62	1.57		2.00
SM-S-006-212-95	3.32	16	17	17	0.75	1.00	0.89	50.0	10.0	15.0	78.89	4.43	4.00	94.59
SM-S-007-138-95	2.65	5	5	4	0.50	0.50	1.35	50.0	14.0	17.0	69.14	2.43	1.00	4.74
SM-S-036-107-95	3.16	1	7	6	0.75	0.67	1.25	50.0	15.0	18.0	72.39	3.57	2.50	33.24
SM-S-039-127-95	2.83	12	12	14	1.00	1.00	1.35	50.0	17.0	17.0	87.99	4.71	3.75	81.52
SM-S-040-128-95	2.00	10	8	5	0.75	0.83	1.35	50.0	17.0	7.0	73.74	3.86	3.75	20.45
SM-S-051-132-95	2.24	11	12	11	1.00	1.00	1.25	50.0	18.0	19.0	85.04	3.86		85.18
SM-S-090-238-97	3.32	7	14	15	1.00	1.00	1.35	12.0	13.0	18.0	89.19	3.29	4.50	87.87
SM-S-104-126-95	2.65	7	5	3	1.00	0.50	1.25	50.0	6.0	11.0	63.13	2.43		10.73
SM-S-111-112-95	3.00	9	16	13	0.75	1.00	1.17	50.0	15.0	17.0	83.45	3.86	4.50	88.99
SM-S-125-142-97	3.00	2	7	11	0.75	0.83	1.25	50.0	16.0	18.0	81.40	2.71		32.03
SM-S-166-143-97	4.00	4	4	12	0.75	0.67	0.94	50.0	13.0	18.0	78.50	3.00		17.57
SM-S-199-302-95	2.24	14	15	13	0.75	1.00	1.35	50.0	17.0	15.0	79.37	3.86	4.25	89.62
SM-S-209-105-95	2.24	2	3	1	0.50	0.67	1.35	15.0	6.0	10.0	54.96	2.71	1.00	14.06
SM-S-214-1	2.45	7	6	2	0.25	0.67	1.43	50.0	12.0	16.0	68.78		3.25	
SM-S-214-2	2.45	6	3	1	0.25	0.00	1.05	50.0	15.0	15.0	60.31		2.50	
SM-S-237-103-95	3.16	7	6	6	0.75	0.83	1.25	6.0	2.0	18.0	60.24	3.57	4.50	26.13
SM-S-239-310-95	3.00	18	16	11	0.75	1.00	0.99	50.0	16.0	17.0	74.85	3.57	4.00	94.81
SO-S-003-111-97	3.32	5	8	5	0.50	0.50	1.25	50.0	10.0	14.0	62.74	1.86	3.25	18.38
SO-S-004-113-97	3.16	2	5	5	0.50	0.33	1.11	50.0	13.0	17.0	61.70	2.14	2.00	15.16
SO-S-005-109-95	2.45	0	5	1	0.50	0.33	0.46	10.0	7.0	7.0	39.50	1.86	2.25	5.90
SO-S-018-1	3.46	0	15	13	0.25	0.17	0.68	3.0	16.0	16.0	80.26			
SO-S-018-2	3.00	0	16	15	0.50	0.50	0.68	16.0	16.0	16.0	80.99			
SO-S-019-4	3.87	2	6	5	0.25	0.17	1.11	16.0	13.0	13.0	64.95			
SO-S-020-1	3.32	0	5	5	0.25	0.00	0.79	7.0	16.0	11.0	68.56			
SO-S-020-2	3.32	2	3	2	0.25	0.00	0.58	9.0	6.0	11.0	51.24			
SO-S-021-102-97	4.00	1	16	11	0.50	0.67	0.46	11.0	11.0	15.0	72.33	3.00	3.25	56.49

SO-S-021-2	2.45	0	5	2	0.50	0.17	0.68	2.0	6.0	6.0	53.06			
SO-S-021-3	3.74	0	17	14	0.75	0.33	0.68	3.0	16.0	6.0	81.23			
STCL-051-S-2000	4.32	9	14	13	0.75	0.83	1.35	50.0	16.5	18.0	96.14	3.57		55.94
STMA-101-R-2000	3.27	0	3	2	0.75	0.33	1.43	50.0	6.7	2.0	64.62	2.14		1.92
STMA-104-R-2000	4.00	3	15	14	1.00	1.00	1.25	5.5	1.9	13.0	78.82	4.43	4.75	92.91
STMA-108-R-2000	4.12	10	18	16	1.00	1.00	1.17	50.0	17.0	19.0	93.93	2.71	1.00	94.29
STMA-110-R-2000	4.22	3	11	11	1.00	1.00	1.35	50.0	16.2	20.0	94.22	4.14		77.00
STMA-111-R-2000	4.18	12	16	8	1.00	1.00	1.17	50.0	14.3	20.0	85.31	2.43	2.00	93.67
STMA-112-R-2000	3.94	6	16	13	1.00	1.00	1.28	50.0	11.5	10.0	88.68	1.29	2.00	82.48
STMA-113-R-2000	4.47	9	8	5	0.75	1.00	0.99	50.0	16.3	19.0	75.43	3.29	4.00	54.58
STMA-116-R-2000	3.45	11	11	10	0.00	0.00	1.01	50.0	14.5	20.0	81.03	1.00		
STMA-202-R-2000	4.47	20	18	14	0.75	0.83	0.84	50.0	18.1	20.0	88.39	2.43	3.50	90.69
STMA-306-R-2000	4.04	22	16	13	0.75	1.00	1.25	50.0	18.1	20.0	88.44	3.86	3.25	92.15
STMA-HR1-X-2000	2.35	11	13	14	0.75	1.00	1.35	32.4	0.0	12.9	72.68		3.00	
STMA-HR2-X-2000	4.02	13	14	12	0.75	0.83	1.43	32.4	0.0	12.9	77.71		4.00	
STMA-JA1-X-2000	4.47	41	18	16	0.75	1.00	1.25	32.4	0.0	12.9	81.10		4.25	
STMA-JA2-X-2000	1.87	12	10	6	0.75	0.83	1.35	32.4	0.0	12.9	60.32		3.75	
STMA-JC1-X-2000	4.10	7	16	15	0.75	1.00	1.11	32.4	0.0	12.9	75.75		4.75	
STMA-PB1-X-2000	4.06	23	17	17	1.00	1.00	1.35	32.4	0.0	12.9	81.00		4.25	
STMA-USM-X-2000	0.63	0	8	7	0.75	0.83	1.35	32.4	0.0	12.9	56.92			
TA-N-001-206-97	3.00	10	11	10	0.75	0.50	0.94	40.0	18.0	17.0	71.75	3.86	4.50	32.27
TA-N-001-210-97	2.24	17	17	13	0.75	0.83	1.05	50.0	18.0	17.0	79.00	3.57	4.00	87.98
TA-N-011-106-97	1.73	1	5	5	0.75	0.67	1.17	40.0	13.0	16.0	63.83	1.29	1.75	16.94
TA-N-015-1	4.00	6	16	7	0.50	0.83	0.89	50.0	19.0	17.0	82.18		2.50	
TA-N-015-5	4.12	5	15	9	0.50	0.67	0.94	50.0	13.0	9.0	79.79		2.75	
TA-N-017-104-96	4.12	13	15	15	0.50	0.83	1.17	50.0	10.0	17.0	84.68	3.86	4.00	76.22
TA-N-035-105-96	3.87	15	17	13	0.75	0.67	1.11	3.0	10.0	8.0	82.45	1.57	4.50	49.64
TA-N-041-201-97	2.24	11	14	14	0.75	0.83	0.68	50.0	18.0	17.0	72.72	3.86	4.00	82.65
TA-N-042-104-95	3.74	17	14	7	0.75	0.83	0.94	20.0	11.0	7.0	75.19	3.86	3.50	24.47
TA-N-048-3	4.24	3	14	3	0.50	0.33	0.89	30.0	19.0	19.0	78.52		3.25	
TA-N-048-4	4.36	3	13	4	0.25	0.17	1.35	35.0	16.0	15.0	86.02		2.75	
TA-N-053-201-96	3.16	12	14	11	0.25	0.50	1.17	10.0	11.0	11.0	80.06	2.71	3.50	25.50
TA-N-053-203-97	3.61	7	7	8	0.75	0.67	1.17	13.0	5.0	14.0	66.68	3.29	2.50	15.30
TA-N-056-113-97	4.00	14	16	15	0.75	0.83	1.05	50.0	15.0	16.0	89.05	3.00	3.75	76.02

TA-N-062-1	4.24	8	14	7	0.75	0.33	1.17	50.0	18.0	17.0	80.99		4.75	
TA-N-062-3	4.36	6	11	6	0.75	1.00	1.05	40.0	6.0	12.0	65.06			
TA-N-999-108-97	4.24	7	4	4	0.25	0.50	1.05	23.0	6.0	11.0	63.95	2.14		6.35
UPCK-101-R-2000	3.56	6	7	5	0.75	0.83	1.11	17.5	12.9	18.0	74.07	1.86		43.89
UPCK-102-R-2000	3.65	13	8	4	0.50	0.50	1.25	50.0	5.5	19.0	67.43	1.29	2.25	34.23
UPCK-108-R-2000	2.39	8	8	5	0.75	1.00	1.25	50.0	8.8	10.0	63.94	3.00	3.25	42.00
UPCK-109-R-2000	4.29	3	5	3	0.50	0.67	1.17	50.0	12.4	19.0	67.45	2.43	3.50	15.03
UPCK-113-S-2000	3.92	16	17	17	0.50	0.83	1.37	50.0	17.0	18.0	95.72	2.71		89.51
UPCK-115-R-2000	4.47	1	14	12	0.50	0.67	0.94	27.0	1.7	8.0	73.95	1.57	3.25	63.09
UPCK-118-R-2000	4.40	6	10	11	0.50	1.00	1.28	50.0	18.6	18.0	89.87	2.14		49.36
UPCK-119-R-2000	2.47	5	8	7	0.75	1.00	1.17	43.5	5.5	9.0	63.18	3.29	4.00	60.23
UPCK-122-R-2000	4.47	9	11	11	0.50	0.50	1.28	39.0	12.4	16.0	85.22	1.86	1.50	11.72
UPCK-130-R-2000	4.47	0	2	3	0.25	0.33	0.79	0.0	11.7	19.0	66.37	1.86		3.65
UPCK-132-R-2000	2.55	7	13	13	1.00	1.00	1.25	50.0	10.7	16.0	79.13	3.00	4.00	76.21
UPCK-203-R-2000	2.77	9	12	11	1.00	1.00	1.17	50.0	18.4	17.0	79.36	4.43	2.50	89.82
UPCK-204-R-2000	3.00	9	11	11	1.00	0.83	1.11	50.0	17.0	19.0	75.61	2.43	3.50	90.31
UPCK-229-R-2000	3.45	11	11	10	0.00	0.00	1.01	35.0	6.1	18.0	63.17	4.43		
UPCK-311-R-2000	3.70	8	9	6	0.75	1.00	1.25	50.0	12.0	13.0	67.89	3.29	4.00	65.62
WCHE-086-S-2000	4.47	24	16	2	0.50	0.83	1.35	50.0	7.2	16.0	73.21	2.14	2.00	59.17
WILL-102-C-2000	4.40	6	19	19	0.86	0.83	0.99	0.0	1.7	16.0	71.63	3.22	4.43	88.91
WILL-301-C-2000	4.06	0	18	11	1.00	0.67	1.11	50.0	7.9	11.0	70.66	2.33		88.70
WIRH-108-R-2000	4.47	300	17	17	0.50	0.67	1.35	25.0	7.9	13.0	89.31	1.86		27.88
WIRH-109-R-2000	4.47	18	7	5	0.50	0.33	1.40	35.0	15.3	18.0	78.90	1.00		14.75
WIRH-111-R-2000	4.47	65	18	12	0.50	0.67	1.17	50.0	7.9	13.0	83.48	1.29		42.54
WIRH-114-R-2000	4.47	0	5	5	0.50	0.50	0.89	0.0	12.3	15.0	69.92	1.86		12.43
WIRH-215-R-2000	4.47	218	19	16	0.50	1.00	1.11	22.5	2.9	1.0	80.76	2.14	3.00	79.79
WIRH-220-S-2000	4.47	27	19	16	0.50	0.83	1.20	50.0	15.3	16.0	90.08	3.57	3.25	97.03
WI-S-005-1	3.74	0	11	5	0.25	0.17	0.89	2.0	15.0	15.0	70.46			
WI-S-016-211-95	3.74	0	5	3	0.50	0.50	0.32	4.0	2.0	8.0	36.81	2.43	2.50	26.35
WI-S-017-119-95	3.00	5	6	4	0.25	0.33	1.25	50.0	6.0	7.0	60.57	1.57	2.25	11.27
WI-S-019-208-97	3.87	0	14	10	0.50	0.33	0.58	10.0	9.0	11.0	65.74	3.00	4.00	41.46
WI-S-019-217-97	4.12	0	12	10	0.50	0.33	0.46	3.0	4.0	10.0	58.36	2.71	3.25	31.07
WI-S-023-112-95	4.12	15	16	13	0.75	0.67	1.17	40.0	12.0	16.0	84.88	3.86	3.25	66.12
WI-S-034-201-95	2.83	21	17	15	0.50	0.50	0.99	50.0	15.0	18.0	79.86	4.14	4.00	95.33

WI-S-037-210-97	4.00	2	5	3	0.50	0.33	0.32	0.0	4.0	11.0	39.97	2.71	3.00	21.92
WI-S-041-214-97	4.12	2	11	12	0.50	0.50	1.05	30.0	5.0	15.0	71.93	1.57	3.25	41.73
WI-S-054-1	2.65	0	15	14	0.25	0.17	0.79	11.0	12.0	16.0	69.81			
WI-S-054-2	2.65	0	11	6	0.50	0.17	0.79	10.0	12.0	16.0	58.40			
WI-S-055-303-97	3.16	2	11	10	0.50	0.50	0.94	50.0	9.0	11.0	57.75	1.29	3.00	83.12
WI-S-057-3	3.46	7	18	16	0.50	0.67	1.25	50.0	18.0	18.0	88.47			
WI-S-057-309-97	3.87	10	15	14	0.50	1.00	1.05	50.0	18.0	15.0	82.29	3.00	4.00	68.78
WI-S-057-311-97	4.36	15	17	15	0.50	0.33	0.99	50.0	16.0	16.0	84.24	4.14	4.50	77.59
WI-S-057-319-97	3.87	18	19	18	0.50	0.83	0.99	50.0	16.0	16.0	87.20	3.57	4.25	83.73
WI-S-059-106-97	1.00	0	1	1	0.50	0.17	0.68	0.0	1.0	1.0	32.12	2.14	2.25	1.27
WI-S-063-220-95	4.00	5	16	10	0.50	0.83	0.89	50.0	7.0	16.0	68.33	3.00	3.25	91.42
WI-S-067-207-97	2.83	0	10	9	0.50	0.33	0.32	10.0	10.0	15.0	52.06	2.71	3.75	49.92
WI-S-067-219-97	3.32	1	10	6	0.50	0.50	0.46	0.0	5.0	11.0	48.27	1.57	3.75	59.18
WI-S-073-114-95	3.16	4	3	1	0.50	0.17	1.05	30.0	3.0	3.0	49.67	2.71	3.25	1.79
WI-S-074-103-97	3.61	0	10	5	0.50	0.33	0.52	30.0	10.0	15.0	61.27	1.86	3.75	46.89
WI-S-075-206-95	3.46	11	17	5	0.50	0.83	1.11	35.0	13.0	17.0	71.63	3.00	3.75	87.75
WI-S-082-113-95	3.61	13	6	11	0.50	0.50	1.11	50.0	7.0	7.0	66.64	4.43	3.25	10.62
WI-S-084-107-97	3.32	0	4	3	0.50	0.17	0.68	0.0	5.0	5.0	48.62	1.00	2.25	2.76
WI-S-085-102-95	3.87	8	5	1	0.25	0.50	0.79	0.0	9.0	11.0	57.88	2.14	1.75	8.11
WI-S-999-114-97	3.32	5	6	5	0.50	0.67	1.17	23.0	11.0	17.0	64.27	1.57	2.75	14.33
WO-S-003-306-97	3.16	12	14	14	0.50	0.50	0.89	5.0	10.0	17.0	66.46	3.00	3.50	48.81
WO-S-003-308-97	3.16	5	12	11	0.50	0.17	0.94	3.0	10.0	17.0	62.46	3.57	2.75	24.67
WO-S-003-312-97	3.87	8	9	11	0.50	0.67	1.11	50.0	11.0	15.0	65.98	3.00	3.50	51.29
WO-S-003-314-97	2.65	2	10	10	0.50	0.33	1.05	30.0	13.0	14.0	61.98	3.86	3.25	19.91
WO-S-003-320-97	3.32	12	12	11	0.50	0.33	0.99	50.0	11.0	12.0	64.87	3.57	4.00	25.71
WO-S-004-110-97	3.32	15	13	11	0.50	0.83	1.11	35.0	11.0	16.0	75.37	1.86	4.25	66.37
WO-S-005-315-97	2.24	5	8	8	0.50	0.67	1.05	50.0	17.0	13.0	59.37	3.86	3.00	38.81
WO-S-008-1	3.32	3	8	4	0.50	0.17	1.17	50.0	16.0	11.0	62.72		3.50	
WO-S-008-3	3.46	2	4	3	0.25	0.17	1.25	50.0	16.0	6.0	59.76		3.50	
WO-S-008-305-97	3.32	1	7	6	0.50	0.33	1.17	50.0	13.0	12.0	60.11	3.57	3.00	16.63
WO-S-019-318-97	2.24	11	14	12	0.50	0.67	1.11	50.0	10.0	16.0	64.63	3.00	3.00	78.34
WO-S-038-108-97	4.00	23	17	16	0.50	0.67	1.11	23.0	12.0	10.0	85.75	1.29	3.25	57.57
WO-S-040-5	3.32	1	10	5	0.25	0.17	0.89	50.0	11.0	13.0	67.80			
WO-S-061-206-97	4.00	0	16	13	0.25	0.33	0.46	3.0	6.0	17.0	64.67	2.43	3.75	70.64

WYER-118-S-2000	4.32	23	16	15	0.75	1.00	1.25	46.5	7.0	17.0	83.73	3.00	2.75	87.38
ZEKI-012-S-2000	4.40	8	15	11	0.75	0.83	1.35	50.0	11.0	20.0	89.15	4.14	3.25	67.09
AL-A-007-304-96	3.46	0	11	7	1.00	0.67	1.11	50.0	2.0	14.0	59.03	3.22	1.86	6.87
AL-A-020-228-95	2.24	1	1	1	0.14	0.33	1.25	50.0	17.0	20.0	62.71	2.56	3.57	0.71
AL-A-027-205-95	4.00	0	6	11	0.86	0.33	1.30	50.0	20.0	19.0	87.90	3.22	1.00	10.37
AL-A-027-209-95	3.87	2	8	11	0.57	0.67	1.40	50.0	19.0	19.0	87.77	3.44	1.29	5.89
AL-A-033-314-95	2.45	2	15	17	0.86	0.83	0.89	50.0	6.0	11.0	64.52	3.89	4.14	87.42
AL-A-054-320-96	4.00	0	16	5	1.00	0.83	0.89	0.0	1.0	2.0	35.12	1.67	2.14	22.18
AL-A-143-226-95	4.36	3	16	15	0.71	0.67	1.35	0.0	10.0	18.0	65.14	4.33	1.57	35.43
AL-A-146-301-95	3.87	1	13	11	0.71	0.83	0.58	50.0	10.0	17.0	64.82	3.89	3.86	61.41
AL-A-167-230-95	3.46	0	6	11	0.71	0.50	1.25	50.0	10.0	20.0	73.89	4.33	2.14	11.36
AL-A-171-206-95	3.87	0	6	12	0.71	0.33	0.79	0.0	6.0	20.0	45.44	3.44	1.00	2.11
AL-A-177-232-95	4.12	6	8	13	0.71	1.00	1.25	50.0	17.0	15.0	86.91	3.44	3.00	27.51
AL-A-187-218-96	4.12	0	9	5	1.00	0.67	1.30	50.0	16.0	20.0	77.95	3.89	1.00	23.25
AL-A-199-122-95	4.00	3	11	5	0.71	0.50	1.05	50.0	20.0	19.0	76.87	4.11		11.57
AL-A-202-121-96	4.12	2	13	17	0.71	0.33	1.25	0.0	12.0	16.0	66.36	3.89	2.43	57.46
AL-A-207-307-95	3.87	2	13	8	0.57	0.83	0.58	0.0	5.0	15.0	36.48	4.11	2.71	4.49
AL-A-215-112-95	3.61	3	15	15	0.57	0.83	1.25	50.0	19.0	19.0	88.15	3.44		21.48
AL-A-221-107-96	3.00	0	12	2	0.86	0.50	1.25	38.0	6.0	3.0	52.42	2.33	1.00	20.79
AL-A-229-109-96	4.36	4	11	8	0.86	0.67	1.37	50.0	20.0	20.0	87.77	1.89	1.00	18.23
AL-A-232-313-96	4.24	0	18	10	0.71	0.83	1.17	0.0	1.0	5.0	46.97	1.89	1.86	49.33
AL-A-244-227-95	4.12	1	7	5	0.86	0.50	1.35	50.0	16.0	19.0	78.67	3.67	1.00	9.29
AL-A-248-213-95	4.36	0	5	2	0.29	0.50	0.84	50.0	11.0	15.0	62.99	3.67	1.57	5.05
AL-A-248-234-95	4.00	0	16	5	0.71	0.67	0.52	28.0	4.0	19.0	43.13	1.44	2.14	57.46
AL-A-254-326-96	4.12	0	18	3	0.86	0.50	0.89	0.0	1.0	1.0	33.60	1.44	2.14	76.15
AL-A-255-108-95	4.24	0	10	5	1.00	0.67	1.35	50.0	20.0	20.0	83.36	3.67		6.12
AL-A-268-221-96	4.00	0	9	15	0.71	0.50	1.35	2.0	16.0	15.0	69.87	2.56	1.00	6.36
AL-A-276-323-96	4.36	0	16	18	0.86	0.67	0.63	0.0	11.0	11.0	57.31	3.44	4.14	44.74
AL-A-294-325-96	3.00	1	12	5	0.57	1.00	0.68	0.0	6.0	7.0	30.92	2.56	3.86	24.75
AL-A-296-226-96	3.46	0	16	1	0.86	0.67	1.25	50.0	6.0	5.0	58.78	1.67	1.00	17.33
AL-A-318-126-95	3.87	4	13	16	0.86	0.67	1.35	50.0	19.0	19.0	92.45	3.44	1.00	58.96
AL-A-343-307-96	4.12	1	16	11	0.86	1.00	0.52	11.0	6.0	1.0	45.70	1.67	1.29	30.90
AL-A-343-330-96	4.12	0	19	10	0.86	0.83	0.40	0.0	0.0	2.0	32.04	2.56	2.14	73.45
AL-A-380-303-96	3.32	2	12	12	0.71	0.50	1.35	7.0	5.0	15.0	53.60	4.33	2.14	45.76

AL-A-392-316-95	4.12	0	10	5	0.71	0.67	0.46	0.0	3.0	8.0	30.61	2.33	2.71	25.52
AL-A-392-318-95	4.12	0	12	10	0.71	1.00	0.94	0.0	3.0	9.0	44.26	1.22	3.57	34.04
AL-A-413-308-96	3.74	4	18	3	0.86	1.00	1.25	15.0	7.0	5.0	49.60	1.44	2.14	47.80
AL-A-419-106-95	3.61	2	5	5	0.71	0.50	1.37	50.0	16.0	19.0	76.10	2.33		6.61
AL-A-425-314-96	4.00	3	16	4	1.00	1.00	1.11	13.0	2.0	9.0	43.98	2.56	4.14	48.82
AL-A-441-309-95	3.61	3	16	5	0.57	0.67	0.99	0.0	4.0	19.0	37.64	3.89	3.86	42.23
AL-A-465-311-96	4.12	0	14	11	0.86	0.67	0.79	0.0	5.0	10.0	44.77	4.56	2.71	28.34
AL-A-465-324-96	4.12	0	15	15	0.86	0.50	1.40	50.0	20.0	18.0	94.66	3.89	2.43	18.84
AL-A-480-205-96	4.12	1	11	15	0.86	0.50	1.25	50.0	18.0	19.0	90.13	3.67	1.29	43.73
AL-A-485-220-96	4.24	1	13	16	0.86	0.67	1.37	50.0	11.0	6.0	86.99	3.22	1.00	23.99
AL-A-485-227-96	3.61	0	11	16	0.71	0.67	0.79	0.0	1.0	2.0	43.35	1.44	1.00	14.84
AL-A-500-103-95	4.12	2	6	11	0.71	0.50	1.35	50.0	15.0	19.0	84.33	3.22		12.89
AL-A-524-211-95	4.24	0	4	5	1.00	0.50	1.40	50.0	18.0	19.0	82.23	4.33	3.00	7.41
AL-A-550-204-96	4.00	0	9	5	0.71	0.83	0.99	0.0	4.0	7.0	39.91	3.89	3.00	5.25
AL-A-553-306-95	4.24	1	15	13	0.86	0.83	0.79	0.0	2.0	15.0	44.68	3.22	4.71	77.61
AL-A-567-126-96	4.24	8	9	1	0.71	0.83	1.40	50.0	16.0	5.0	75.79	1.67		8.15
AL-A-585-122-96	3.87	1	14	5	0.86	0.83	1.28	50.0	13.0	12.0	73.18	3.22	1.29	30.03
AL-A-626-216-96	4.24	1	15	10	0.86	0.83	1.35	50.0	17.0	19.0	85.91	3.67	2.71	48.31
AL-A-635-113-95	4.24	0	1	1	0.57	0.50	1.25	30.0	1.0	0.0	50.27	3.44		0.31
AL-A-646-207-95	4.00	0	2	1	0.71	0.17	1.17	2.0	2.0	15.0	37.37	2.33	1.00	1.07
AL-A-688-319-95	4.24	2	13	14	0.86	0.83	1.25	50.0	9.0	16.0	80.71	3.44	4.14	80.32
AL-A-706-228-96	3.61	2	11	5	0.71	0.67	1.11	50.0	11.0	16.0	66.62	3.89	1.29	18.53
AL-A-709-303-95	3.61	0	8	5	0.86	0.67	0.94	13.0	5.0	6.0	42.93	3.89	4.43	13.84
AL-A-726-115-96	4.36	0	6	6	1.00	0.50	1.40	50.0	19.0	19.0	85.01	3.44		6.24
AL-A-731-313-95	3.32	0	15	16	0.86	0.83	0.89	1.0	3.0	12.0	45.80	3.44	3.86	53.42
AL-A-999-117-96	4.12	1	6	11	0.71	0.50	1.11	0.0	5.0	20.0	50.27	3.89	1.00	11.36
ANTI-101-C-2000	4.47	0	18	18	0.86	0.83	1.25	50.0	6.3	16.0	83.77	3.67		73.84
CASS-101-R-2000	4.31	2	16	4	0.71	1.00	0.74	0.0	11.0	10.0	43.17	2.33	2.71	49.84
CASS-102-R-2000	4.47	1	16	16	0.86	0.83	1.35	50.0	11.5	20.0	88.39	1.22	1.00	44.74
CASS-104-R-2000	4.40	8	17	17	0.71	0.83	1.05	26.5	8.3	11.0	71.39	4.78	3.86	77.95
CASS-105-R-2000	4.28	2	13	15	0.71	0.67	1.25	28.5	6.7	18.0	71.20	3.89	1.00	48.82
CASS-106-R-2000	3.46	3	16	12	0.86	1.00	0.99	0.0	12.2	15.0	52.81	4.56	4.14	69.26
CASS-109-R-2000	4.47	22	18	13	0.57	0.50	0.46	50.0	20.0	20.0	78.51	3.22	2.43	99.83
CASS-110-R-2000	4.24	1	13	10	0.71	0.83	1.43	50.0	7.2	20.0	76.96	3.67	4.43	25.53

CASS-111-R-2000	4.47	2	11	7	0.86	0.67	1.40	50.0	15.6	20.0	83.41	1.67	1.00	21.14
CASS-113-R-2000	4.24	8	11	14	0.71	0.67	1.35	50.0	0.0	19.0	73.36	3.67	2.14	81.27
CASS-307-R-2000	3.16	9	10	14	0.71	0.67	0.63	50.0	5.3	15.0	60.22	4.78	3.57	71.81
FIMI-103-R-2000	3.95	3	13	10	0.00	0.00	1.02	50.0	6.7	20.0	68.83	3.44		
FIMI-105-R-2000	4.12	0	6	3	0.86	0.67	0.74	0.0	10.4	3.0	40.48	4.11		2.20
FIMI-106-R-2000	4.47	3	12	12	0.86	0.67	1.43	39.0	4.6	20.0	73.56	4.11	1.29	58.46
FIMI-108-R-2000	3.95	3	13	10	0.00	0.00	1.02	50.0	17.6	18.0	79.73	3.67		
FIMI-109-R-2000	4.47	4	11	17	0.71	0.67	1.28	50.0	10.2	20.0	87.14	4.11	1.57	24.38
FIMI-110-R-2000	4.40	1	10	14	0.86	0.83	1.35	50.0	15.8	20.0	90.06	4.78	1.00	16.48
FIMI-202-R-2000	4.47	7	13	14	0.86	0.67	1.11	50.0	12.2	20.0	82.82	3.89	3.29	22.19
FIMI-207-S-2000	3.94	0	15	10	0.86	0.50	0.79	50.0	7.9	20.0	65.53	3.44	3.29	50.87
FIMI-401-R-2000	4.47	0	17	17	0.86	0.83	0.68	50.0	7.2	18.0	73.90	4.11	4.71	79.66
FIMI-404-R-2000	4.47	0	17	15	1.00	0.67	0.68	50.0	18.6	17.0	83.08	2.56	4.43	70.98
FIMI-407-R-2000	4.12	0	16	18	0.86	0.67	0.94	50.0	13.3	20.0	83.46	3.44	4.71	67.04
FR-B-032-206-96	4.36	2	16	5	1.00	0.50	1.05	10.0	11.0	2.0	53.93	1.89	3.00	43.23
FR-B-046-127-96	4.12	4	6	13	0.86	0.50	1.43	0.0	15.0	15.0	67.43	3.22	1.00	8.95
FR-B-065-111-96	3.87	2	6	5	0.57	0.67	0.99	0.0	3.0	6.0	38.18	3.44		11.78
FR-B-076-118-96	4.24	2	11	4	0.57	0.67	1.28	5.0	14.0	15.0	57.20	1.67		19.80
FR-B-081-229-96	4.00	5	18	18	0.86	0.67	1.17	19.0	6.0	16.0	67.06	2.11	2.71	81.28
FR-B-133-222-96	4.36	6	16	17	0.71	0.83	1.25	50.0	5.0	18.0	80.71	2.11	4.14	87.20
FR-B-164-137-96	4.12	1	11	4	0.86	0.67	1.35	50.0	15.0	20.0	76.56	2.11	2.71	26.70
GA-A-001-105-95	3.87	3	2	3	0.57	0.50	1.35	5.0	5.0	15.0	46.00	3.00		3.99
GA-A-002-312-96	4.24	0	18	12	0.86	0.83	0.74	50.0	20.0	19.0	80.72	4.78	3.29	78.31
GA-A-008-213-96	4.12	1	18	19	0.71	0.83	1.22	50.0	15.0	16.0	89.92	3.00	4.43	72.64
GA-A-010-205-95	3.87	1	5	1	0.43	0.83	1.43	0.0	15.0	16.0	52.66	3.44	1.57	2.74
GA-A-011-2	4.24	0	17	18	0.57	0.83	1.40	13.0	5.0	17.0	68.88		1.86	
GA-A-011-3	4.24	0	18	16	0.57	0.67	1.25	28.0	5.0	19.0	70.13			
GA-A-011-301-97	4.36	0	16	3	0.86	0.50	1.35	19.0	5.0	5.0	54.40	1.44	1.00	11.36
GA-A-011-317-97	4.00	12	13	3	0.57	0.50	0.32	50.0	19.0	15.0	61.26	2.11	1.29	9.46
GA-A-017-223-96	4.00	7	14	5	0.71	0.83	0.58	0.0	12.0	13.0	40.88	2.78	1.57	54.44
GA-A-021-1	4.36	7	18	14	0.57	0.83	1.47	50.0	20.0	20.0	94.90			
GA-A-021-2	4.36	16	16	5	0.43	0.83	0.89	50.0	18.0	20.0	74.18			
GA-A-022-215-96	3.87	3	15	12	0.71	1.00	1.40	50.0	11.0	19.0	80.88	3.22	3.86	61.90
GA-A-027-3	3.61	5	7	3	0.29	0.50	0.68	50.0	15.0	20.0	61.18			

GA-A-027-4	3.46	7	5	3	0.29	0.50	0.79	50.0	15.0	20.0	62.09			
GA-A-028-117-97	4.00	1	10	9	0.57	0.67	1.35	0.0	3.0	12.0	49.40	3.67		19.80
GA-A-030-213-97	4.36	2	15	11	0.71	0.83	0.68	50.0	5.0	9.0	64.41	2.33	3.86	32.67
GA-A-039-307-97	4.12	0	17	16	1.00	0.67	1.25	15.0	4.0	18.0	63.25	4.33	3.86	69.27
GA-A-050-201-97	2.83	5	16	7	0.57	0.83	0.68	0.0	6.0	8.0	32.15	3.22	2.14	56.96
GA-A-053-206-96	4.12	0	16	17	0.71	0.83	1.28	0.0	5.0	20.0	59.95	3.44	4.14	50.87
GA-A-059-216-97	4.24	0	15	13	0.71	0.50	1.35	50.0	3.0	19.0	75.24	3.44	4.14	49.84
GA-A-059-225-97	4.00	2	16	17	0.71	0.83	1.25	50.0	13.0	20.0	86.65	3.89	3.86	80.00
GA-A-062-202-95	4.24	0	17	16	0.86	0.67	1.35	50.0	18.0	19.0	93.58	4.56	4.14	86.26
GA-A-062-203-97	4.12	1	18	18	0.86	0.83	1.35	50.0	18.0	20.0	95.11	4.56	3.86	77.96
GA-A-062-222-95	4.24	1	17	16	0.86	1.00	1.28	50.0	20.0	16.0	94.53	4.56	4.14	80.32
GA-A-076-209-96	4.24	4	18	17	0.71	1.00	1.05	50.0	19.0	17.0	90.60	3.22	3.57	89.89
GA-A-089-1	1.41	0	3	3	0.29	0.33	0.23	0.0	3.0	16.0	8.72		1.86	
GA-A-089-2	2.65	0	11	5	0.57	0.83	0.79	6.0	3.0	16.0	30.00		1.57	
GA-A-090-310-96	4.00	1	16	16	0.86	0.83	1.17	13.0	5.0	18.0	61.44	3.00	4.14	71.82
GA-A-094-303-97	4.12	2	20	18	0.86	0.83	1.17	50.0	5.0	19.0	79.17	4.56	3.57	90.07
GA-A-105-317-96	4.36	0	15	5	0.86	0.67	0.74	16.0	14.0	20.0	54.01	4.11	3.86	52.40
GA-A-105-318-96	4.12	0	15	4	1.00	0.67	0.68	50.0	16.0	20.0	66.28	3.89	3.57	43.23
GA-A-107-209-97	4.24	1	15	18	0.71	1.00	1.35	50.0	4.0	18.0	81.80	4.11	4.14	63.81
GA-A-111-316-95	3.87	11	15	4	0.57	0.83	1.40	19.0	14.0	12.0	62.59	3.67	2.71	38.29
GA-A-112-101-97	4.36	4	6	5	0.57	0.67	1.11	0.0	15.0	16.0	54.96	3.67		4.95
GA-A-120-103-95	3.87	16	17	15	0.71	1.00	1.25	50.0	15.0	20.0	85.69	3.22	3.86	96.81
GA-A-121-210-96	4.24	3	17	18	0.71	0.83	1.07	50.0	18.0	19.0	91.11	3.00	4.43	68.83
GA-A-128-217-95	2.24	13	10	5	0.57	0.67	1.11	0.0	9.0	16.0	36.73	4.11	3.00	6.61
GA-A-130-110-97	4.24	1	8	11	0.57	0.50	1.35	12.0	4.0	15.0	58.82	3.00		10.00
GA-A-133-112-96	4.24	1	16	16	1.00	0.83	0.79	0.0	7.0	16.0	53.02	3.67	2.43	39.26
GA-A-141-213-95	4.00	3	17	16	0.86	0.83	0.79	50.0	18.0	19.0	82.62	4.78	4.14	64.75
GA-A-142-118-95	3.16	5	11	1	0.43	0.83	1.25	4.0	15.0	16.0	47.64	3.22		9.29
GA-A-143-1	1.00	1	5	1	0.43	0.83	1.25	0.0	6.0	16.0	24.59			
GA-A-143-105-97	4.12	7	16	5	0.57	0.83	0.84	0.0	7.0	13.0	40.96	1.00	1.00	51.38
GA-A-143-5	3.87	17	2	1	0.14	0.33	0.29	0.0	6.0	17.0	24.71		1.29	
GA-A-152-1	4.00	3	11	11	0.71	0.67	1.40	50.0	8.0	20.0	77.50			
GA-A-152-5	4.00	2	16	15	0.71	0.67	1.40	8.0	5.0	16.0	62.15			
GA-A-159-202-96	4.24	1	18	7	1.00	0.83	0.94	50.0	14.0	19.0	72.62	3.44	4.14	42.23

GA-A-179-113-95	4.12	1	12	3	1.00	0.50	1.35	0.0	5.0	14.0	45.44	4.56		5.45
GA-A-181-1	2.83	10	16	13	0.71	0.67	0.79	20.0	10.0	2.0	52.54		2.14	
GA-A-181-2	2.45	22	17	5	0.86	0.50	0.79	0.0	2.0	3.0	25.47		2.71	
GA-A-181-303-95	3.87	5	13	8	0.86	0.67	0.79	0.0	3.0	6.0	38.00	2.78	1.57	39.75
GA-A-184-328-96	4.24	1	15	16	0.71	0.67	0.63	0.0	2.0	10.0	45.42	3.89	3.86	60.44
GA-A-185-309-95	2.83	12	17	9	0.86	0.67	0.40	50.0	18.0	16.0	61.47	3.89	2.71	68.83
GA-A-185-321-95	2.24	8	17	5	0.57	0.67	0.63	0.0	16.0	16.0	35.63	3.89	2.71	78.31
GA-A-191-322-96	4.24	0	8	6	1.00	0.83	1.25	5.0	5.0	19.0	49.82	2.56	3.86	15.91
GA-A-195-203-95	4.12	5	17	12	0.86	0.83	1.25	8.0	6.0	13.0	58.00	2.78	3.00	79.33
GA-A-200-224-97	4.36	0	14	10	0.71	0.67	0.79	3.0	2.0	16.0	43.22	3.89	4.43	42.23
GA-A-205-222-96	4.24	0	17	0	1.00	1.00	1.11	35.0	9.0	1.0	56.73	1.44	1.00	8.30
GA-A-215-2	2.00	1	1	1	0.14	0.17	0.89	0.0	6.0	4.0	24.15			
GA-A-235-215-95	3.16	10	5	3	0.43	0.33	0.58	50.0	13.0	16.0	54.84	3.22	1.29	2.58
GA-A-235-4	3.00	4	12	5	0.71	0.50	0.99	24.0	8.0	17.0	47.75		1.86	
GA-A-235-5	1.41	5	15	5	0.29	0.50	0.46	50.0	10.0	17.0	42.01		2.43	
GA-A-236-216-95	4.12	2	17	17	1.00	0.67	1.35	50.0	17.0	12.0	93.00	3.44	4.14	30.03
GA-A-236-218-95	4.12	8	15	9	0.71	0.67	0.89	50.0	18.0	18.0	77.27	3.89	3.86	28.75
GA-A-247-111-97	4.24	1	11	16	0.71	0.50	1.05	50.0	19.0	20.0	89.49	3.89	4.43	35.90
GA-A-251-217-97	3.74	1	10	5	0.57	0.83	0.99	0.0	3.0	12.0	37.42	3.00	1.86	2.80
GA-A-268-222-97	4.00	0	10	9	1.00	0.50	1.43	50.0	19.0	20.0	86.28	4.33	4.43	22.18
GA-A-276-106-96	4.12	2	13	12	0.86	0.50	1.25	50.0	20.0	20.0	88.80	3.67	4.71	34.50
GA-A-279-104-97	4.12	1	8	6	0.57	0.67	1.35	20.0	7.0	6.0	58.78	4.11	4.43	10.00
GA-A-304-316-97	3.87	0	16	15	0.71	0.67	1.25	50.0	20.0	20.0	90.69	4.56	3.86	69.70
GA-A-306-210-97	2.45	0	11	5	0.71	0.67	0.89	0.0	2.0	9.0	27.18	3.89	3.29	10.57
GA-A-309-215-97	4.24	0	9	10	0.86	0.50	1.35	5.0	2.0	16.0	52.91	3.44	4.43	19.48
GA-A-309-221-97	4.24	0	10	7	0.86	0.83	0.99	0.0	4.0	15.0	43.53	3.44	4.14	17.92
GA-A-310-318-97	4.24	1	17	15	1.00	0.83	0.89	50.0	19.0	20.0	85.62	3.89	3.57	76.89
GA-A-314-116-96	3.87	9	6	2	0.43	0.83	1.17	0.0	16.0	7.0	50.95	3.89		2.74
GA-A-315-101-96	4.24	0	15	11	0.71	0.33	1.40	50.0	20.0	20.0	90.90	3.89	4.43	55.45
GA-A-326-106-95	4.12	2	17	10	1.00	0.83	1.11	50.0	7.0	16.0	71.16	3.22	3.00	45.25
GA-A-343-319-97	4.36	1	16	18	0.71	0.33	1.05	50.0	13.0	18.0	86.38	4.33	3.86	70.56
GA-A-347-1	4.00	0	5	5	0.71	0.50	1.35	50.0	17.0	20.0	78.96			
GA-A-347-4	4.00	0	2	5	0.57	0.67	1.35	50.0	9.0	20.0	70.96			
GA-A-351-117-95	3.16	3	16	16	0.71	1.00	1.40	8.0	8.0	10.0	61.43	4.33	4.43	84.73

GA-A-352-212-97	4.00	2	10	6	0.57	0.67	1.43	3.0	2.0	16.0	47.15	3.89	3.57	15.10
GA-A-358-115-95	4.24	1	12	15	0.71	0.83	1.43	9.0	15.0	20.0	73.94	4.11	2.71	37.33
GA-A-372-129-96	4.36	3	6	16	1.00	0.50	1.17	50.0	20.0	20.0	93.31	3.89		7.27
GA-A-373-220-95	4.00	1	16	6	0.86	0.83	0.79	0.0	2.0	5.0	35.51	4.33	3.29	18.23
GA-A-395-219-97	4.24	1	15	18	1.00	0.33	1.17	0.0	4.0	17.0	58.86	3.89	3.57	62.86
GA-A-405-112-95	3.16	5	6	2	0.43	0.83	1.11	0.0	5.0	6.0	34.73	4.11	2.71	8.46
GA-A-407-310-97	4.12	0	16	14	1.00	0.50	0.79	50.0	20.0	19.0	83.11	3.44	3.86	54.44
GA-A-407-312-97	4.12	8	16	11	0.86	0.83	0.74	50.0	3.0	15.0	61.92	3.22	2.71	62.38
GA-A-407-313-97	3.74	3	16	12	0.86	1.00	0.94	50.0	5.0	16.0	66.29	3.67	3.86	64.75
GA-A-407-314-95	4.12	1	19	19	0.86	1.00	0.68	50.0	17.0	16.0	82.83	3.89	3.86	89.51
GA-A-409-102-97	4.36	1	12	17	0.71	0.50	1.35	50.0	4.0	19.0	81.36	3.67	2.43	34.96
GA-A-416-118-96	4.00	0	11	11	0.71	0.33	1.35	50.0	15.0	20.0	83.62	4.33		14.84
GA-A-420-323-95	4.00	2	16	5	0.86	1.00	1.25	50.0	16.0	18.0	76.31	1.89	3.00	30.03
GA-A-420-325-95	3.87	6	16	5	1.00	0.67	1.17	50.0	19.0	10.0	77.29	1.67	2.71	12.89
GA-A-432-315-95	4.12	9	17	19	0.71	1.00	1.11	6.0	5.0	16.0	60.44	4.11	4.14	88.92
GA-A-432-320-95	4.00	4	17	18	0.57	0.67	0.68	0.0	2.0	16.0	47.12	2.33	4.14	91.60
GA-A-439-205-97	4.12	4	14	14	0.57	0.83	0.63	18.0	15.0	18.0	62.70	2.11	3.57	62.38
GA-A-443-112-97	4.36	0	10	10	0.71	0.67	1.43	50.0	19.0	20.0	89.46	2.11	1.00	35.90
GA-A-450-113-97	4.00	0	10	12	0.71	0.50	1.43	50.0	16.0	19.0	86.61	3.22	2.71	15.91
GA-A-453-310-95	2.24	11	18	11	0.71	0.83	0.40	50.0	2.0	5.0	44.28	4.11	3.57	62.86
GA-A-457-114-95	3.87	1	16	13	0.71	0.83	1.11	50.0	18.0	17.0	84.05	3.89	4.71	25.52
GA-A-470-306-96	4.36	1	17	8	1.00	1.00	1.11	50.0	13.0	20.0	76.29	2.56	2.43	61.41
GA-A-470-309-96	4.24	0	16	6	1.00	1.00	1.05	50.0	12.0	18.0	71.38	2.11	1.86	25.13
GA-A-470-315-96	4.36	1	19	10	0.86	1.00	0.68	50.0	8.0	18.0	66.30	2.33	3.00	79.67
GA-A-493-109-95	4.12	2	12	5	0.71	0.50	0.40	0.0	7.0	16.0	33.49	5.00	4.43	32.22
GA-A-496-105-96	2.24	3	4	2	0.57	0.83	1.37	0.0	6.0	15.0	34.88	2.78	2.43	3.76
GA-A-505-210-95	3.61	17	17	3	0.57	0.50	0.63	0.0	18.0	16.0	43.30	3.67	2.71	16.75
GA-A-505-218-97	4.12	2	15	7	0.71	0.83	0.74	50.0	16.0	16.0	70.47	3.22	3.29	43.73
GA-A-506-106-97	4.47	0	6	7	0.86	0.33	1.40	50.0	10.0	17.0	77.78	4.11		7.70
GA-A-511-322-95	4.36	2	16	16	0.86	0.67	0.99	50.0	16.0	17.0	86.20	2.78	3.29	75.78
GA-A-512-214-96	4.00	2	17	18	0.86	0.67	1.25	50.0	19.0	19.0	93.76	3.89	4.14	49.84
GA-A-518-220-97	4.36	0	13	7	1.00	0.67	1.25	50.0	20.0	20.0	84.60	3.89	3.86	64.28
GA-A-520-1	4.12	0	2	5	0.57	0.50	1.35	50.0	10.0	20.0	72.67			
GA-A-520-2	4.00	0	2	4	0.57	0.50	1.30	50.0	10.0	20.0	70.13			

GA-A-521-108-95	3.87	5	14	11	0.57	0.83	0.79	50.0	17.0	18.0	75.33	4.56	1.86	18.84
GA-A-523-203-96	4.36	0	16	15	1.00	1.00	1.28	50.0	16.0	20.0	90.09	4.56	2.43	61.41
GA-A-542-304-97	4.24	2	17	16	0.86	0.83	0.94	50.0	15.0	20.0	83.62	3.00	3.29	70.99
GA-A-542-308-97	4.24	1	17	15	0.86	0.67	1.05	50.0	18.0	19.0	87.38	2.11	3.57	63.33
GA-A-542-309-97	4.24	0	16	16	0.86	0.83	0.68	50.0	15.0	20.0	79.30	3.22	3.57	58.46
GA-A-545-301-95	4.24	6	18	19	0.86	0.83	1.11	33.0	11.0	18.0	77.93	3.44	3.57	83.36
GA-A-545-302-97	4.24	3	16	10	1.00	0.83	0.89	50.0	15.0	19.0	76.07	3.22	3.57	52.91
GA-A-547-108-97	4.24	4	11	6	0.57	0.83	0.40	50.0	19.0	19.0	67.29	4.11	1.86	11.57
GA-A-547-5	4.36	8	20	18	0.57	0.83	1.43	50.0	20.0	19.0	99.35		3.00	
GA-A-547-8	3.32	0	8	2	0.29	0.50	0.58	50.0	9.0	17.0	50.61			
GA-A-548-2	4.00	0	5	2	0.29	0.50	0.68	50.0	20.0	20.0	67.34		1.57	
GA-A-548-3	2.24	1	6	2	0.29	0.50	0.52	50.0	20.0	19.0	54.43			
GA-A-548-317-95	3.46	7	17	11	0.57	0.67	0.99	50.0	18.0	18.0	77.49	1.67	1.00	17.04
GA-A-551-227-95	3.87	0	6	2	0.43	0.50	1.05	50.0	8.0	6.0	60.80	3.44	1.29	3.34
GA-A-553-1	3.32	13	10	5	0.29	0.50	0.32	50.0	18.0	19.0	58.54			
GA-A-553-2	3.32	13	10	5	0.29	0.33	0.52	0.0	6.0	16.0	29.99			
GA-A-557-1	3.87	0	6	5	0.43	0.33	1.11	30.0	3.0	16.0	52.16		1.57	
GA-A-557-2	1.41	0	1	1	0.14	0.17	0.46	0.0	2.0	11.0	9.56		1.86	
GA-A-558-211-96	3.46	6	16	3	0.57	1.00	1.25	50.0	15.0	16.0	70.01	2.33	4.14	94.37
GA-A-560-201-95	4.00	2	17	16	0.86	1.00	1.05	50.0	7.0	10.0	76.09	4.56	3.57	71.41
GA-A-563-318-95	3.87	2	14	5	1.00	0.67	0.74	0.0	1.0	13.0	31.81	3.22	2.43	14.33
GA-A-999-1	1.73	6	15	11	0.57	0.50	0.68	50.0	7.0	14.0	51.28			
GA-A-999-2	2.24	8	16	11	0.71	0.67	0.99	50.0	6.0	17.0	58.42			
GA-A-999-302-96	4.12	1	16	16	0.71	1.00	0.68	21.0	5.0	11.0	57.01	4.33	4.14	73.45
LMON-101-T-2000	3.46	1	14	13	0.57	0.83	0.89	50.0	8.6	18.0	68.56	2.78	1.57	48.82
LMON-104-T-2000	2.04	3	12	13	0.57	0.83	0.94	50.0	9.0	18.0	61.58	3.44	3.29	45.76
LMON-106-T-2000	3.46	3	12	11	0.57	0.67	0.94	32.0	9.6	17.0	60.97	1.67	1.57	29.18
LMON-119-T-2000	2.45	3	16	15	0.86	1.00	1.25	50.0	16.2	20.0	78.66	4.56		80.95
LMON-122-T-2000	3.87	1	7	5	1.00	0.67	0.84	0.0	0.0	12.0	32.52	2.78	1.86	16.20
LMON-130-T-2000	4.47	5	8	13	0.71	0.83	1.35	50.0	20.0	20.0	93.57	4.33		
LMON-136-T-2000	2.55	5	11	13	0.86	0.83	1.25	50.0	18.0	17.0	78.81	3.22		
LMON-147-T-2000	2.45	0	5	4	0.71	0.67	0.32	0.0	11.0	18.0	25.42	2.33		4.77
LMON-202-T-2000	2.24	4	8	7	0.29	1.00	1.25	11.0	3.9	16.0	40.67	3.67	3.57	30.91
LMON-203-T-2000	3.06	1	7	6	0.57	0.83	0.63	0.0	13.3	18.0	38.77	3.89	3.29	45.76

LMON-209-T-2000	3.16	10	15	14	0.57	1.00	0.99	50.0	12.2	19.0	73.29	4.56	3.57	97.22
LMON-210-T-2000	4.06	2	11	13	0.71	0.67	0.32	0.0	6.3	18.0	40.02	4.11	3.29	51.89
LMON-220-T-2000	2.12	4	14	13	0.86	1.00	0.99	50.0	7.6	8.0	61.55	1.67	3.00	50.87
LMON-227-T-2000	4.20	18	16	17	0.57	1.00	0.99	45.0	5.3	10.0	73.67	4.11	3.29	99.42
LMON-231-T-2000	4.08	2	7	10	0.71	0.83	1.05	0.0	9.6	13.0	52.49	1.89		
LMON-237-T-2000	3.18	1	12	9	0.71	1.00	0.40	0.0	8.8	18.0	34.30	2.56	2.43	
LMON-239-T-2000	4.43	4	6	4	0.29	0.83	0.52	19.0	7.9	15.0	44.86	2.33	2.71	25.14
LMON-240-T-2000	3.43	7	9	8	0.57	0.83	0.74	50.0	16.2	15.0	67.76	4.56	3.29	74.23
LMON-252-T-2000	2.70	5	17	18	0.57	1.00	1.25	0.0	4.3	16.0	51.56	4.33	3.57	92.49
LMON-316-T-2000	3.49	2	16	16	0.86	0.67	0.74	3.5	20.0	18.0	62.24	3.44	4.71	86.49
LMON-421-T-2000	2.45	9	13	11	0.57	0.83	0.94	31.5	16.3	14.0	61.67	3.44	2.43	37.33
LTON-102-R-2000	4.40	16	13	13	0.57	0.83	1.11	50.0	10.4	19.0	79.52	2.56	2.43	97.05
LTON-108-R-2000	4.36	4	8	3	0.71	0.67	1.17	50.0	14.3	18.0	73.19	3.22	3.00	34.05
LTON-113-R-2000	3.96	7	12	5	0.57	0.83	1.05	50.0	11.0	19.0	67.61	3.22	3.00	52.91
LTON-114-R-2000	3.94	4	16	11	0.86	0.83	1.22	50.0	13.3	19.0	79.38	1.89	1.00	84.72
LYOU-101-C-2000	4.36	27	16	12	0.86	0.83	0.74	50.0	8.3	19.0	69.69	4.78	4.43	99.99
MARS-205-R-2000	4.16	0	11	3	0.71	0.83	0.40	50.0	16.2	19.0	60.66	2.11	2.71	36.38
MARS-210-R-2000	4.30	25	16	8	0.71	1.00	1.11	15.5	5.3	4.0	54.41	3.44	3.00	99.78
MARS-224-R-2000	4.47	10	16	4	0.86	0.83	1.35	30.5	3.9	13.0	59.66	2.33	3.29	96.26
PRLN-626-S-2000	4.24	6	17	17	1.00	0.83	1.25	50.0	15.3	20.0	90.32	4.56	3.57	95.45
PRUN-101-C-2000	4.40	1	16	14	0.71	0.83	1.30	0.0	0.0	8.0	53.52	3.89	3.00	64.27
PRUN-302-C-2000	4.47	1	18	17	0.86	0.67	0.84	50.0	10.4	18.0	79.75	4.33		84.18
PRWA-103-R-2000	4.30	4	12	10	0.57	0.83	1.11	40.5	6.3	8.0	67.67	3.44		9.65
PRWA-104-R-2000	3.81	7	14	10	0.71	0.67	1.35	39.5	5.3	14.0	67.46	2.78	1.00	49.33
PRWA-106-R-2000	4.36	5	15	6	1.00	0.83	1.28	50.0	11.2	19.0	75.33	2.56	1.00	55.95
PRWA-117-R-2000	3.95	3	13	10	0.00	0.00	1.02	0.0	11.0	19.0	53.06	2.56		
PRWA-119-R-2000	2.83	3	7	13	0.86	0.67	1.25	50.0	10.2	16.0	72.63	3.00	1.29	24.76
PRWA-122-R-2000	4.30	11	14	12	0.71	0.50	1.35	50.0	12.2	20.0	83.67	3.22	1.57	95.45
SAVA-101-C-2000	4.16	3	16	19	0.71	0.67	1.25	50.0	13.3	20.0	89.01	4.78	4.14	77.95
SAVA-159-S-2000	4.47	1	20	19	1.00	1.00	1.11	50.0	20.0	20.0	95.06	4.33	4.43	89.88
SAVA-202-C-2000	3.65	3	16	12	0.71	0.83	1.05	50.0	13.3	19.0	75.95	3.00	2.43	83.06
SAVA-203-C-2000	4.47	7	19	18	0.86	1.00	1.25	37.5	4.3	18.0	76.76	4.78	4.14	90.24
SAVA-204-C-2000	4.47	0	20	19	0.86	0.67	1.05	33.5	9.6	18.0	77.02	5.00	5.00	87.19
SAVA-225-S-2000	4.40	15	19	18	0.86	1.00	1.05	50.0	20.0	20.0	93.60	4.78	3.57	99.92

SAVA-276-S-2000	4.47	0	16	18	0.86	0.50	1.43	50.0	20.0	20.0	100.00	4.33	4.14	49.33
TOWN-101-R-2000	4.00	0	10	11	0.71	0.67	1.11	25.0	12.7	19.0	67.22	3.67	1.57	7.01
TOWN-102-R-2000	4.32	1	8	10	0.86	0.67	1.25	50.0	10.2	18.0	77.89	4.33	1.00	6.37
TOWN-104-R-2000	4.04	4	6	8	0.57	0.33	1.32	50.0	15.6	20.0	80.77	3.44		6.49
TOWN-106-R-2000	3.95	3	13	10	0.00	0.00	1.02	50.0	8.6	16.0	70.73	2.56		
TOWN-110-R-2000	3.94	3	9	15	0.86	0.83	0.99	50.0	20.0	10.0	86.66	3.22	1.57	11.58
TOWN-113-R-2000	4.47	0	6	11	0.86	0.33	1.20	50.0	20.0	20.0	88.90	3.89	1.00	3.22
TOWN-408-R-2000	3.56	0	18	17	0.86	0.67	0.63	50.0	20.0	16.0	80.59	4.33	3.29	81.27
TOWN-409-R-2000	4.12	8	17	16	0.71	1.00	0.84	0.0	18.0	10.0	64.14	4.78	4.43	88.91
TOWN-412-R-2000	4.47	0	19	18	0.86	1.00	0.89	50.0	13.3	19.0	84.59	4.33	5.00	86.96
UMON-101-C-2000	4.47	4	18	18	0.86	1.00	1.35	35.5	3.9	19.0	77.21	3.67	4.43	92.49
UMON-101-R-2000	4.43	1	10	12	0.71	0.67	1.43	50.0	3.9	16.0	77.01	3.44	1.00	20.47
UMON-103-R-2000	4.47	6	11	11	0.71	0.83	1.35	18.0	2.9	17.0	61.48	2.78		35.91
UMON-106-R-2000	3.16	1	12	7	0.57	0.67	0.63	0.0	6.7	9.0	33.94	2.11	1.00	10.01
UMON-115-R-2000	4.47	0	12	17	1.00	0.67	1.43	50.0	14.9	20.0	93.79	3.44		19.17
UMON-117-R-2000	4.43	4	11	11	0.71	0.83	1.35	26.0	5.8	8.0	67.33	3.22	1.86	19.17
UMON-119-R-2000	4.43	4	17	18	0.86	0.83	1.25	50.0	7.9	20.0	85.21	3.67		91.43
UMON-128-R-2000	3.95	3	13	10	0.00	0.00	1.02	50.0	20.0	20.0	82.08	1.44		
UMON-131-R-2000	4.47	0	9	10	0.71	0.67	1.05	0.0	10.4	6.0	55.59	2.56	1.57	4.24
UMON-132-R-2000	4.47	5	8	9	0.71	0.50	1.40	50.0	10.2	20.0	80.17	1.67		12.01
UMON-134-R-2000	4.43	3	13	18	0.71	0.83	1.25	26.5	2.9	19.0	70.80	2.78	1.57	40.74
UMON-202-C-2000	4.43	5	18	19	0.86	0.83	1.25	29.5	2.9	16.0	72.00	4.33		92.49
UMON-207-R-2000	4.47	12	18	16	0.86	0.83	0.99	50.0	7.2	17.0	78.02	3.00	3.86	
UMON-221-R-2000	4.47	3	17	16	0.71	0.67	1.05	11.5	9.3	16.0	65.70	4.33	3.86	80.31
UMON-229-R-2000	4.28	6	12	11	0.71	0.83	1.11	50.0	7.9	20.0	74.13	3.00	3.86	68.38
UMON-230-R-2000	4.47	3	18	20	0.71	0.67	0.84	37.0	5.8	15.0	71.01	4.33	3.57	90.24
UMON-288-S-2000	4.47	2	17	18	0.86	0.67	1.35	50.0	17.0	20.0	96.13	4.33		86.00
UMON-304-R-2000	4.47	1	19	16	1.00	1.00	0.89	16.5	2.9	19.0	58.59	4.11	4.43	89.50
UMON-310-R-2000	3.58	1	12	8	0.86	0.83	0.46	0.0	14.3	15.0	42.16	2.56	3.86	31.34
UMON-322-R-2000	4.40	14	19	18	0.71	1.00	1.11	27.0	20.0	17.0	85.42	4.11	4.14	97.77
UMON-413-R-2000	4.12	7	17	17	0.71	1.00	0.74	36.5	4.6	19.0	64.77	3.22	3.57	94.03
WA-A-003-308-95	2.45	0	5	5	0.57	0.67	1.25	0.0	4.0	11.0	35.38	3.89	3.00	11.36
WA-A-005-118-95	3.74	1	11	5	0.71	0.67	1.11	50.0	12.0	17.0	68.40	3.67		13.36
WA-A-040-221-95	4.47	3	19	20	0.57	0.67	1.25	50.0	18.0	20.0	95.48	2.33	1.00	92.78

WA-A-045-127-95	2.83	0	3	2	0.71	0.50	1.25	50.0	18.0	19.0	68.23	2.33		4.95
WA-A-053-223-95	4.00	1	16	4	0.71	0.83	1.20	50.0	14.0	15.0	72.40	1.67	3.29	59.45
WA-A-068-101-95	4.00	2	10	12	0.71	0.67	1.05	50.0	20.0	19.0	84.65	2.11		23.62
WA-A-089-312-95	4.00	3	15	5	0.71	0.83	1.11	50.0	16.0	17.0	73.89	3.22	3.00	69.70
WA-A-101-219-95	2.45	0	1	1	0.57	0.50	1.17	50.0	15.0	14.0	60.64	2.78		0.63
WA-A-106-124-95	4.00	1	17	17	0.71	0.50	1.25	50.0	6.0	15.0	79.65	4.56		56.46
WA-A-133-204-95	4.00	2	12	7	0.71	1.00	1.25	7.0	10.0	18.0	55.34	4.33	2.43	53.42
WA-A-139-235-95	3.61	0	11	5	0.57	0.83	1.25	29.0	15.0	19.0	64.64	4.11	1.86	12.89
WA-A-144-311-95	4.00	2	17	19	0.86	0.67	0.99	8.0	11.0	16.0	64.55	2.78	3.57	83.92
WA-B-018-209-96	3.46	0	9	1	0.71	0.67	1.17	50.0	14.0	10.0	65.49	2.56	3.00	5.56
WA-B-018-241-96	3.61	2	12	11	0.71	1.00	1.05	2.0	2.0	2.0	44.06	2.11	3.00	33.12
WA-V-003-123-95	2.83	2	1	0	0.86	0.67	0.32	0.0	6.0	9.0	18.18	1.44		0.58
WA-V-006-222-95	3.16	3	11	3	0.71	0.83	0.68	0.0	11.0	15.0	34.63	3.44	2.71	36.85
WA-V-062-212-95	3.16	12	18	4	0.57	0.50	0.79	50.0	3.0	8.0	49.46	3.67	3.57	24.37
WA-V-063-201-95	4.24	2	16	12	0.71	0.67	0.99	0.0	6.0	18.0	51.09	2.11	2.71	50.35
WA-V-072-104-95	3.16	3	7	5	0.57	0.83	1.11	50.0	6.0	16.0	59.07	3.44		28.34
WA-V-075-220-95	4.00	0	5	2	0.57	0.50	0.94	0.0	1.0	19.0	32.67	2.56	1.86	6.24
WA-V-077-310-95	3.46	8	17	11	0.86	0.83	1.11	1.0	9.0	16.0	50.87	3.44	3.00	82.19
WA-V-084-116-95	2.45	0	10	1	0.57	0.67	1.35	0.0	11.0	11.0	39.58	4.33	4.14	9.11
WA-V-105-215-95	3.74	2	16	5	0.57	0.67	0.40	0.0	6.0	16.0	30.29		3.00	76.15
WA-V-118-117-95	3.16	0	10	3	0.57	0.67	0.37	0.0	2.0	16.0	20.24	2.11	3.00	46.78
WA-V-120-233-95	2.83	4	17	4	1.00	0.83	1.25	13.0	7.0	15.0	44.65	4.11	4.14	79.67
WA-V-131-224-95	4.00	27	17	11	0.86	1.00	0.89	50.0	13.0	8.0	73.78	3.22	2.43	98.45
WA-V-148-305-95	2.45	5	18	11	0.71	1.00	0.46	22.0	5.0	16.0	38.44	3.44	3.29	83.07
WA-V-157-111-95	4.12	0	5	3	1.00	0.67	0.32	0.0	5.0	18.0	27.97	3.00	3.00	27.51
WA-V-161-214-95	3.87	2	16	15	0.71	0.67	1.35	50.0	12.0	15.0	84.34	4.33	4.14	41.23
WA-V-164-202-95	3.32	3	16	16	0.71	0.83	1.11	0.0	2.0	14.0	48.18	3.22	3.57	67.05
WA-V-170-217-95	4.00	2	16	5	0.57	1.00	0.89	0.0	4.0	8.0	38.12	3.67	4.43	64.28
WA-V-174-236-95	2.65	17	8	1	0.71	0.67	1.43	7.0	10.0	13.0	43.39	2.33	2.14	78.31
WA-V-175-208-95	3.16	0	13	2	0.57	0.83	0.46	0.0	8.0	11.0	26.74	4.11	2.14	22.18
WA-V-175-216-95	3.87	2	16	5	0.86	1.00	1.40	0.0	1.0	11.0	43.10	3.67	2.43	46.27
WA-V-176-109-95	4.12	0	13	1	1.00	0.33	1.11	50.0	6.0	6.0	60.16	1.44	1.00	11.16
WA-V-186-210-95	3.32	4	18	5	0.57	1.00	0.89	0.0	11.0	17.0	41.18	3.89	3.29	89.89
WA-V-192-115-95	2.24	0	5	3	0.71	0.83	1.11	0.0	1.0	1.0	26.51	1.89	1.00	2.91

WA-V-193-110-95	2.45	1	1	1	0.43	0.33	0.23	0.0	6.0	16.0	15.46	2.33	1.00	1.25
YOUG-101-C-2000	4.24	0	15	15	0.86	0.50	1.25	50.0	7.9	19.0	80.77	4.56	1.29	36.38
YOUG-202-C-2000	4.40	7	16	18	1.00	1.00	1.05	50.0	7.2	17.0	80.77	3.89	4.43	89.31
YOUG-203-C-2000	4.16	8	18	19	0.71	0.83	1.35	50.0	17.0	20.0	94.35	4.78	4.14	97.17
YOUG-432-S-2000	4.47	5	18	18	0.71	0.83	1.17	50.0	17.0	19.0	93.19	4.78	3.86	93.30
BA-P-002-303-96	3.16	18	18	16	1.00	1.00	1.35	0.0	6.0	12.0	83.02	3.00	2.56	99.92
BA-P-002-319-95	3.16	8	9	17	0.80	1.00	1.22	0.0	5.0	8.0	72.56	2.78	2.56	72.23
BA-P-008-101-95	2.24	2	14	8	0.60	0.50	1.40	50.0	15.0	18.0	64.70	3.89	3.67	34.04
BA-P-013-328-96	3.16	0	15	11	1.00	1.00	1.25	17.0	6.0	6.0	57.71	1.67	1.44	48.82
BA-P-015-120-96	3.16	7	16	12	1.00	0.83	1.35	50.0	17.0	19.0	79.56	4.33	1.89	80.32
BA-P-025-102-96	3.16	6	16	15	0.60	0.67	1.17	50.0	17.0	11.0	79.82	3.22	3.44	94.26
BA-P-042-116-96	3.00	10	12	11	0.80	1.00	1.05	0.0	8.0	16.0	64.55	3.67	4.11	86.97
BA-P-055-103-96	1.73	4	5	6	0.60	0.67	0.89	50.0	7.0	16.0	35.03	2.56		5.25
BA-P-057-209-96	3.46	1	10	10	0.80	0.33	0.89	0.0	1.0	11.0	48.97	3.44	2.78	20.13
BA-P-065-117-96	2.65	2	16	13	0.80	0.83	0.94	50.0	15.0	15.0	67.48	4.33		70.56
BA-P-065-119-96	3.87	2	12	14	1.00	0.67	1.11	50.0	16.0	16.0	69.77	3.00	1.89	37.81
BA-P-074-106-96	4.24	0	7	11	0.80	0.50	1.11	0.0	1.0	8.0	46.10	2.11	1.00	6.87
BA-P-077-315-96	3.46	6	19	18	1.00	1.00	1.20	50.0	14.0	15.0	85.72	3.67	3.00	93.05
BA-P-077-322-95	3.16	4	14	17	0.80	0.83	1.25	39.0	11.0	16.0	77.04	3.44	2.56	58.96
BA-P-080-2	3.61	4	16	14	0.60	0.67	0.79	50.0	20.0	18.0	76.46		3.67	
BA-P-080-314-97	1.73	0	14	11	1.00	1.00	1.11	50.0	9.0	11.0	57.96	2.33	3.67	68.39
BA-P-080-9	3.61	5	11	11	0.80	0.17	0.63	0.0	4.0	11.0	58.49			
BA-P-089-122-96	3.00	6	15	11	0.60	0.83	0.89	0.0	10.0	15.0	69.13	3.22	4.11	84.20
BA-P-103-124-96	2.83	2	10	13	0.80	0.67	0.94	50.0	5.0	15.0	49.96	2.78		18.84
BA-P-107-123-95	2.24	8	3	2	0.20	0.50	1.35	0.0	15.0	16.0	44.75	3.00		2.29
BA-P-116-114-96	1.73	3	10	11	0.80	0.50	0.99	10.0	13.0	14.0	51.71	1.67		12.00
BA-P-121-111-96	2.00	5	11	7	0.60	0.83	1.25	50.0	11.0	6.0	52.82	4.33		10.00
BA-P-124-302-96	3.46	3	17	16	1.00	0.83	0.99	50.0	10.0	19.0	73.50	2.78	3.22	89.51
BA-P-125-126-96	2.65	1	13	7	1.00	0.50	0.79	3.0	2.0	6.0	34.74	1.44	2.56	6.36
BA-P-141-206-96	3.87	2	17	16	0.80	0.83	1.05	50.0	19.0	19.0	81.60	3.89	3.00	86.97
BA-P-143-104-96	3.16	8	13	12	0.80	0.50	1.17	5.0	11.0	18.0	72.46	4.33	2.78	47.29
BA-P-144-322-96	2.65	15	17	14	1.00	0.83	1.17	0.0	6.0	5.0	66.63	3.00	3.00	80.96
BA-P-145-316-96	2.65	12	12	10	1.00	1.00	1.11	50.0	15.0	10.0	74.40	2.33	2.33	90.61
BA-P-145-327-96	3.16	7	17	14	1.00	1.00	1.05	50.0	15.0	15.0	77.44	2.11	3.22	93.05

BA-P-156-208-96	2.24	4	14	16	0.80	0.50	0.89	0.0	5.0	7.0	60.85	3.89	4.33	78.31
BA-P-160-205-96	3.00	5	11	10	0.80	0.83	0.99	50.0	14.0	18.0	62.42	3.00	3.44	74.24
BA-P-179-125-96	2.24	10	14	11	0.60	0.83	1.17	50.0	13.0	17.0	69.53	3.67	4.11	94.26
BA-P-191-211-96	3.00	1	16	14	0.80	0.83	1.17	30.0	13.0	13.0	66.10	3.44	4.11	71.41
BA-P-202-202-96	2.83	5	14	13	0.80	0.67	1.05	5.0	5.0	16.0	63.53	4.11	3.22	76.15
BA-P-203-215-96	2.45	1	13	11	1.00	0.83	0.94	3.0	7.0	14.0	54.14	2.78	3.00	58.46
BA-P-206-108-95	2.83	5	14	16	1.00	1.00	1.25	50.0	16.0	17.0	77.84	3.67	3.89	72.23
BA-P-215-305-96	2.65	4	15	14	1.00	0.50	0.94	50.0	17.0	17.0	72.09	3.22	4.33	74.63
BA-P-218-313-96	3.61	3	15	18	0.80	0.67	0.99	50.0	10.0	16.0	75.73	4.56	3.22	86.26
BA-P-234-109-95	2.65	5	13	13	0.80	0.83	1.35	40.0	9.0	16.0	67.71	3.67		52.91
BA-P-238-311-96	2.83	5	16	17	0.80	1.00	0.68	50.0	15.0	14.0	76.15	3.67	3.89	86.01
BA-P-242-210-96	3.74	8	16	12	0.80	1.00	0.99	50.0	17.0	11.0	76.06	3.44	4.11	89.89
BA-P-262-111-96	2.65	1	12	11	1.00	0.50	1.11	0.0	1.0	2.0	44.04	1.89		5.45
BA-P-269-214-96	3.32	14	15	12	1.00	0.83	1.25	0.0	4.0	2.0	71.26	1.22	1.00	56.96
BA-P-284-204-96	3.32	4	9	6	0.80	1.00	1.17	40.0	7.0	14.0	52.66	3.44	4.33	46.27
BA-P-291-217-95	3.87	0	14	11	0.80	0.83	0.89	20.0	1.0	16.0	58.44	4.33	3.67	66.14
BA-P-302-115-96	2.65	3	10	11	0.80	0.67	0.79	3.0	6.0	16.0	46.48	3.67	2.11	11.57
BA-P-312-309-96	4.12	1	16	14	1.00	0.83	0.99	50.0	16.0	15.0	72.10	3.89	3.67	70.56
BA-P-313-204-95	3.74	0	16	17	1.00	0.83	1.05	50.0	10.0	11.0	74.03	3.00	4.33	74.63
BA-P-313-215-95	2.45	4	16	17	1.00	1.00	0.99	45.0	11.0	18.0	74.85	3.44	4.56	92.21
BA-P-315-301-96	1.73	2	8	6	0.80	0.83	0.52	0.0	5.0	13.0	36.26	2.33	2.56	43.73
BA-P-320-304-97	2.83	4	17	15	1.00	1.00	0.99	0.0	7.0	15.0	70.82	3.22	4.56	93.44
BA-P-322-203-96	3.74	4	13	14	0.80	1.00	0.89	50.0	16.0	18.0	65.18	3.89	3.00	67.95
BA-P-331-315-95	2.83	1	16	16	1.00	0.83	0.79	15.0	7.0	8.0	62.00	1.44	2.78	59.95
BA-P-333-303-96	3.16	1	11	14	0.80	0.33	0.58	20.0	6.0	13.0	57.17	4.11	3.89	40.74
BA-P-340-214-96	3.00	3	14	13	0.80	1.00	0.68	0.0	16.0	11.0	65.88	3.89	3.44	52.40
BA-P-341-212-96	3.87	3	10	12	1.00	0.67	0.79	3.0	10.0	16.0	59.28	3.89	3.44	43.73
BA-P-346-321-95	2.83	7	12	10	1.00	0.83	1.11	0.0	1.0	10.0	56.86	3.22	3.22	63.33
BA-P-376-105-95	2.45	1	12	11	0.80	0.67	1.35	10.0	5.0	9.0	56.02	3.67		18.84
BA-P-379-307-96	4.36	2	19	17	1.00	0.67	1.05	50.0	10.0	17.0	78.89	3.44	3.89	87.42
BA-P-379-315-96	4.24	1	17	15	1.00	0.67	0.94	50.0	16.0	16.0	77.87	3.44	3.89	82.19
BA-P-403-106-96	2.00	5	16	11	0.80	0.67	1.11	10.0	6.0	6.0	59.70	3.00	2.11	67.95
BA-P-409-102-96	3.00	11	4	4	0.80	0.67	1.35	8.0	15.0	11.0	58.47	2.56		5.15
BA-P-410-203-96	2.83	20	19	17	1.00	1.00	1.11	8.0	9.0	18.0	83.67	1.44	3.00	99.56

BA-P-415-119-95	4.00	1	17	16	1.00	0.83	1.19	35.0	5.0	6.0	73.75	2.11	1.00	67.95
BA-P-418-207-96	1.73	1	10	9	0.80	0.50	0.58	0.0	6.0	8.0	39.83	3.22	3.44	13.36
BA-P-419-317-96	3.16	6	10	9	1.00	0.83	0.94	0.0	16.0	14.0	64.58	3.89	3.22	67.05
BA-P-427-107-96	3.16	0	12	14	1.00	0.33	1.17	45.0	11.0	15.0	62.12	2.33		39.75
BA-P-458-108-96	2.00	4	11	9	0.80	0.50	1.17	50.0	15.0	16.0	56.66	3.89		19.48
BA-P-464-117-95	2.24	3	13	16	0.80	1.00	1.05	0.0	3.0	3.0	61.73	1.89	1.00	60.93
BA-P-478-314-96	2.24	17	13	8	0.80	0.67	1.05	1.0	12.0	5.0	54.48	2.33	2.11	47.80
BA-P-478-325-95	3.32	5	14	12	1.00	1.00	1.11	50.0	8.0	6.0	63.55	1.67	2.78	53.42
BC-P-001-326-96	4.24	0	18	19	1.00	1.00	0.79	0.0	6.0	5.0	71.82	1.22	2.56	86.01
BC-P-003-205-95	4.00	0	14	13	1.00	0.67	0.84	0.0	0.0	5.0	60.38	1.22	1.89	38.77
BC-P-003-228-96	3.32	3	11	16	0.80	1.00	0.63	0.0	3.0	1.0	61.86	1.00	1.22	48.31
BC-P-004-107-96	2.24	0	3	2	0.80	0.50	0.79	0.0	0.0	0.0	15.17	1.44	1.00	0.31
BC-P-005-306-96	2.83	0	17	18	1.00	0.83	0.40	48.0	8.0	8.0	59.64	2.33	1.67	67.05
BC-P-005-318-96	3.74	2	18	18	1.00	1.00	0.94	0.0	4.0	8.0	66.34	1.44	1.67	76.89
BELK-301-X-2000	3.00	12	15	14	1.00	1.00	1.13	50.0	9.6	12.0	76.38	3.00	3.89	97.86
BRIG-105-R-2000	2.92	2	11	13	1.00	0.83	1.25	50.0	9.6	19.0	64.98	4.56		45.25
BRIG-111-R-2000	1.83	1	13	14	1.00	0.83	1.25	35.0	11.0	16.0	63.94	4.78	3.00	37.81
BRIG-115-R-2000	3.61	9	8	9	0.80	0.83	1.17	50.0	11.7	16.0	67.40	3.89	2.56	77.24
BRIG-123-R-2000	4.33	5	14	12	1.00	1.00	1.35	50.0	13.3	19.0	79.26	3.67	3.89	90.60
BRIG-131-R-2000	3.63	4	15	12	1.00	1.00	1.05	50.0	16.5	14.0	76.86	3.22	3.67	82.77
BRIG-132-R-2000	2.24	12	11	11	1.00	0.83	1.25	50.0	11.0	15.0	68.91	4.33		89.69
BRIG-206-R-2000	2.16	5	15	16	1.00	1.00	1.17	50.0	7.2	19.0	70.26	3.67	3.67	88.29
BRIG-212-R-2000	2.92	9	14	14	0.80	1.00	1.17	50.0	20.0	17.0	80.73	3.89	3.22	97.77
BRIG-218-R-2000	2.88	6	15	17	0.80	1.00	1.25	50.0	14.7	15.0	80.52	2.11	3.89	93.04
BRIG-307-R-2000	3.12	18	17	14	1.00	0.83	1.11	50.0	20.0	19.0	85.43	4.11	4.33	99.86
BRIG-308-R-2000	3.47	10	14	17	1.00	0.83	1.25	50.0	20.0	18.0	85.50	2.33	3.67	94.79
CE-P-003-312-97	2.83	6	14	12	1.00	1.00	1.25	50.0	9.0	8.0	66.56	3.89	4.11	68.39
CE-P-004-102-96	3.61	2	15	17	1.00	0.67	1.17	45.0	2.0	11.0	68.06	2.33	4.33	62.86
CE-P-006-1	3.87	0	17	16	0.80	0.33	1.05	0.0	0.0	4.0	65.06		3.22	
CE-P-006-4	4.00	0	14	13	0.60	0.50	0.99	0.0	2.0	5.0	57.79		2.56	
CE-P-009-303-96	3.16	11	13	13	0.60	0.67	0.99	25.0	16.0	16.0	75.74	2.56	4.11	94.04
CE-P-009-305-96	3.61	5	15	16	1.00	0.33	0.79	50.0	10.0	15.0	71.18	3.67	4.33	91.76
CE-P-012-210-96	3.46	3	16	14	1.00	0.83	1.17	15.0	15.0	17.0	71.26	2.56	4.78	74.63
CE-P-012-212-96	4.00	1	17	6	1.00	0.83	0.79	5.0	10.0	16.0	61.59	2.56	4.78	78.31

CE-P-019-210-97	3.87	3	18	14	1.00	0.83	1.05	10.0	3.0	12.0	69.80	3.00	3.67	87.20
CE-P-020-118-96	2.45	9	9	5	0.60	0.50	0.99	0.0	6.0	6.0	46.32	2.56	2.33	23.99
CE-P-022-301-97	4.12	1	18	17	1.00	0.83	0.78	50.0	15.0	15.0	80.09	3.00	3.22	85.61
CE-P-022-316-97	3.87	1	19	9	1.00	0.83	0.52	50.0	15.0	16.0	72.39	2.56	4.56	91.12
CE-P-022-319-97	3.46	2	17	7	1.00	0.67	0.52	50.0	15.0	16.0	52.25	3.44	4.11	42.23
CE-P-023-201-97	2.00	2	14	15	1.00	0.83	0.79	0.0	9.0	16.0	57.91	3.89	4.33	66.14
CE-P-038-205-96	2.24	9	16	9	0.80	1.00	1.17	0.0	16.0	16.0	68.23	2.78	3.89	72.64
CE-P-038-209-96	3.61	5	14	7	0.60	1.00	0.94	42.0	16.0	16.0	65.49	2.11	3.67	60.44
CE-P-046-207-96	4.12	2	18	18	1.00	0.83	0.89	50.0	11.0	16.0	77.80	2.11	3.67	84.73
CE-P-046-214-96	4.12	2	18	10	1.00	0.83	1.05	40.0	5.0	16.0	68.66	3.00	3.44	92.92
CE-P-051-108-97	2.24	0	15	13	1.00	0.67	1.11	28.0	3.0	7.0	55.08	2.78		19.48
CE-P-056-307-97	3.16	8	18	15	1.00	1.00	1.05	0.0	4.0	14.0	71.26	2.78	4.11	91.91
CE-P-066-117-97	3.74	5	12	10	1.00	1.00	1.11	0.0	2.0	14.0	56.57	3.67	3.00	69.70
CE-P-071-305-97	4.00	3	16	16	1.00	0.83	0.65	50.0	8.0	14.0	72.13	3.00	4.33	83.64
CE-P-074-1	3.87	2	17	17	0.80	0.67	0.63	0.0	4.0	12.0	69.20		1.89	
CE-P-074-2	3.74	5	14	15	0.80	0.67	1.35	50.0	17.0	11.0	82.31		2.11	
CE-P-078-1	3.32	2	11	12	1.00	0.50	1.35	30.0	2.0	15.0	61.13		2.78	
CE-P-078-109-97	4.00	3	18	15	1.00	0.83	1.25	0.0	12.0	16.0	73.74	4.11	3.44	54.44
CE-P-078-2	3.61	2	15	14	0.80	0.50	1.25	0.0	7.0	14.0	71.88		3.00	
CE-P-081-106-96	4.00	1	17	16	0.80	0.33	0.89	50.0	6.0	13.0	70.26	3.44	3.44	79.33
CE-P-081-114-96	4.12	1	17	19	0.80	0.50	1.05	18.0	10.0	13.0	76.02	1.89	4.33	83.07
CE-P-085-109-96	3.46	12	16	12	0.80	0.50	0.94	50.0	10.0	15.0	69.84	3.44		73.05
CE-P-999-105-96	3.00	11	13	6	0.80	0.83	1.17	0.0	7.0	12.0	58.89	2.56	3.00	71.82
CR-P-003-316-95	3.00	6	12	17	0.80	1.00	1.17	50.0	8.0	14.0	70.48	4.11	4.11	50.87
CR-P-013-108-96	3.61	3	15	16	0.40	0.50	1.17	32.0	13.0	6.0	76.24	3.44		35.43
CR-P-019-201-96	3.00	8	12	11	0.60	1.00	1.17	50.0	7.0	16.0	64.62	3.22	3.29	88.30
CR-P-019-248-96	2.83	7	11	10	0.60	1.00	0.99	0.0	7.0	16.0	56.57	2.33	1.29	58.96
CR-P-020-208-96	3.00	3	17	12	0.80	1.00	1.11	0.0	6.0	10.0	61.12	1.67	3.89	68.83
CR-P-021-329-96	3.87	5	14	17	0.80	0.50	1.25	0.0	7.0	19.0	70.84	1.00	2.71	61.31
CR-P-026-109-96	3.87	8	14	14	1.00	1.00	1.11	0.0	6.0	15.0	74.43	3.22	4.11	77.61
CR-P-035-216-96	3.61	9	14	14	0.60	1.00	1.08	15.0	16.0	17.0	78.49	1.00	4.14	93.56
CR-P-038-227-95	3.16	4	10	12	1.00	1.00	1.25	10.0	2.0	6.0	61.80	2.11	2.78	74.24
CR-P-047-316-96	3.87	5	17	19	0.80	0.83	0.58	20.0	7.0	15.0	74.92	3.44	4.33	94.15
CR-P-050-106-95	2.83	3	14	17	1.00	0.83	1.25	40.0	10.0	17.0	71.77	4.11	2.78	55.45

CR-P-070-314-96	2.65	4	13	7	0.80	0.50	0.94	50.0	6.0	6.0	53.46	3.22	4.33	67.95
CR-P-077-309-95	2.83	0	18	15	1.00	0.67	0.89	0.0	12.0	11.0	71.54	3.67	4.56	84.47
CR-P-079-209-96	2.65	5	16	16	0.80	0.83	1.25	0.0	15.0	12.0	79.29	2.78	4.78	92.21
CR-P-084-309-96	2.45	5	16	17	0.80	1.00	1.05	50.0	16.0	12.0	76.46	3.44	3.89	86.50
CR-P-086-313-96	3.87	11	16	16	1.00	1.00	0.99	50.0	18.0	18.0	89.53	2.11	4.56	92.21
CR-P-086-325-96	1.73	1	15	16	0.80	1.00	0.74	0.0	9.0	17.0	63.73	1.44	3.89	84.47
CR-P-094-349-96	3.16	4	16	17	0.80	1.00	1.02	0.0	2.0	14.0	69.17	1.67	4.43	91.91
CR-P-112-122-95	2.24	6	14	14	1.00	0.83	1.35	15.0	3.0	6.0	66.31	3.67		44.24
CR-P-115-111-95	2.83	9	16	17	0.60	1.00	1.17	6.0	11.0	18.0	79.49	3.89	4.11	87.87
CR-P-116-316-96	2.65	3	18	11	1.00	1.00	1.05	4.0	12.0	16.0	62.20	1.44	3.00	70.14
CR-P-116-327-96	2.65	3	15	16	1.00	1.00	1.17	0.0	15.0	12.0	70.80	1.22	3.29	79.67
CR-P-120-232-96	2.00	3	16	18	1.00	1.00	0.79	0.0	6.0	14.0	67.41	2.33	4.56	92.78
CR-P-138-116-95	2.24	2	13	16	0.80	0.83	0.94	0.0	6.0	11.0	60.41	4.11		25.52
CR-P-142-324-96	2.45	3	12	7	0.80	0.83	0.89	0.0	8.0	9.0	44.62	2.78	3.86	31.34
CR-P-143-218-95	3.00	1	9	11	0.80	0.50	0.46	0.0	4.0	16.0	46.39	3.67	4.33	25.91
CR-P-149-118-96	1.41	3	19	19	1.00	1.00	1.25	50.0	15.0	15.0	76.46	3.89	3.89	80.64
CR-P-152-318-95	2.65	2	14	15	1.00	1.00	0.68	0.0	3.0	10.0	55.63	2.78	3.67	51.38
CR-P-156-314-96	2.83	2	15	11	1.00	0.83	1.17	0.0	15.0	15.0	69.83	2.78	5.00	75.85
CR-P-156-361-96	3.00	7	16	15	1.00	1.00	1.11	0.0	15.0	14.0	79.63	2.56	4.43	92.18
CR-P-158-123-96	2.45	0	8	11	0.40	0.50	1.05	0.0	3.0	10.0	42.26	1.44		7.00
CR-P-162-207-96	3.32	1	16	14	1.00	0.83	1.11	0.0	16.0	14.0	74.92	1.67	2.14	73.45
CR-P-166-221-95	3.46	0	17	18	1.00	0.67	0.94	10.0	5.0	17.0	70.89	4.33	3.89	73.93
CR-P-171-306-96	3.87	4	14	13	1.00	1.00	1.11	0.0	5.0	13.0	63.34	3.44	4.11	75.02
CR-P-175-113-95	2.83	1	15	17	1.00	0.83	1.35	50.0	16.0	18.0	79.25	4.33	4.33	57.96
CR-P-180-124-96	2.65	3	9	10	1.00	0.83	1.17	50.0	14.0	16.0	61.24	3.22	3.57	43.73
CR-P-193-311-96	3.74	1	17	16	1.00	0.67	0.58	0.0	0.0	15.0	60.69	2.78	4.11	82.49
CR-P-197-211-95	3.32	5	16	15	1.00	1.00	1.25	3.0	16.0	17.0	83.40	3.44	4.11	90.43
CR-P-205-319-96	2.83	4	14	15	1.00	1.00	1.11	50.0	14.0	11.0	74.96	3.00	4.71	88.08
CR-P-215-127-96	3.16	5	12	11	0.80	1.00	1.17	50.0	15.0	16.0	72.99	2.33	3.89	67.50
CR-P-224-226-95	3.61	1	11	11	1.00	0.67	1.11	10.0	8.0	14.0	58.22	3.89	3.89	16.47
CR-P-234-216-96	4.00	0	14	11	0.80	0.83	0.46	0.0	5.0	16.0	50.65	3.22	3.89	48.31
CR-P-240-225-95	2.65	11	15	12	0.80	1.00	1.28	50.0	12.0	18.0	74.51	3.22	4.11	91.76
CR-P-242-224-96	3.16	3	16	16	1.00	1.00	0.94	0.0	6.0	15.0	71.53	2.11	3.89	86.50
CR-P-243-333-96	2.65	12	16	15	0.80	1.00	0.74	50.0	14.0	13.0	78.52	2.33	5.00	92.06

CR-P-249-103-96	2.83	3	7	10	0.60	0.33	1.19	35.0	12.0	12.0	55.47	2.33		7.99
CR-P-249-113-96	3.00	0	5	7	0.80	0.50	1.17	35.0	13.0	9.0	46.27	2.56		2.48
CR-P-260-210-96	2.24	2	15	10	0.80	0.67	0.79	35.0	5.0	15.0	48.99	2.56	4.56	34.04
CR-P-260-212-95	2.45	1	13	13	0.80	0.67	0.46	30.0	7.0	16.0	55.67	3.44	4.78	46.78
CR-P-263-332-96	3.16	0	9	10	0.80	0.67	0.58	10.0	4.0	9.0	37.66	2.33	2.71	4.23
CR-P-270-104-95	2.24	2	13	15	1.00	1.00	1.35	40.0	16.0	17.0	74.55	3.67	4.11	69.70
CR-P-274-104-96	2.83	7	8	11	0.80	0.67	1.11	50.0	10.0	15.0	62.69	2.11	1.00	48.82
CR-P-280-340-96	2.65	9	13	14	1.00	1.00	0.52	50.0	12.0	17.0	67.26	3.44	4.71	93.56
CR-P-281-127-95	2.24	0	11	13	0.80	0.83	1.17	50.0	13.0	13.0	62.89	2.78	4.33	39.26
CR-P-284-328-96	2.00	19	17	16	0.80	1.00	1.08	35.0	12.0	13.0	79.91	3.67	3.86	98.02
CR-P-294-124-95	3.32	2	13	11	0.80	0.83	1.05	0.0	1.0	15.0	56.44	3.00	4.33	50.35
CR-P-295-128-96	2.00	0	6	10	0.40	0.83	0.46	0.0	6.0	14.0	30.24	1.44		3.41
CR-P-318-338-96	2.83	2	18	19	1.00	1.00	1.25	45.0	10.0	17.0	78.14	3.44	4.43	92.78
CR-P-323-326-96	3.16	3	12	14	0.80	0.83	0.89	10.0	8.0	16.0	63.60	3.00	5.00	77.46
CR-P-330-201-96	2.83	1	16	18	1.00	0.83	1.35	50.0	15.0	16.0	78.41	3.22	3.67	67.50
CR-P-330-229-96	3.61	4	16	15	1.00	1.00	0.46	0.0	3.0	7.0	63.24	2.56	4.78	82.19
CR-P-341-121-96	2.65	0	17	18	1.00	1.00	1.25	50.0	15.0	17.0	78.58	3.00	3.22	76.89
CR-P-344-219-96	3.74	4	16	17	0.80	0.83	0.99	0.0	3.0	7.0	68.21	3.00	4.33	76.15
CR-P-345-321-96	4.12	0	19	18	1.00	1.00	0.74	0.0	7.0	15.0	75.44	2.11	4.11	92.21
CR-P-362-302-95	4.12	1	17	16	1.00	0.83	0.84	20.0	6.0	17.0	71.12	3.67	4.56	80.00
CR-P-362-304-95	4.00	0	18	18	1.00	0.83	1.17	10.0	6.0	11.0	77.48	3.89	4.56	88.08
CR-P-362-310-96	2.65	22	13	11	1.00	1.00	1.17	50.0	4.0	11.0	68.44	1.67	3.89	60.54
CR-P-362-317-95	2.65	2	7	9	1.00	1.00	1.12	40.0	7.0	16.0	56.18	4.11	4.78	42.23
CR-P-363-212-96	3.61	8	16	9	0.80	1.00	0.74	50.0	10.0	16.0	67.26	1.89	4.56	96.68
CR-P-363-230-96	2.45	6	16	16	0.80	1.00	1.09	2.0	9.0	16.0	68.33	3.00	3.44	80.32
CR-P-365-219-96	2.45	0	11	13	0.80	0.83	0.32	0.0	5.0	15.0	49.02	2.56	3.86	48.82
CR-P-374-343-96	2.45	2	11	11	0.80	1.00	0.63	0.0	7.0	14.0	52.52	3.22	4.43	62.86
CR-P-376-104-96	4.00	1	18	18	0.80	0.83	1.35	6.0	7.0	10.0	78.00	2.56	3.00	83.92
CR-P-376-119-96	4.24	1	15	15	0.80	1.00	1.35	0.0	5.0	6.0	74.17	3.00	3.00	71.82
CR-P-379-123-96	3.87	0	6	6	0.80	0.83	1.25	0.0	7.0	14.0	45.26	1.67		8.62
CR-P-398-222-95	2.24	4	17	18	0.80	1.00	1.17	50.0	11.0	17.0	75.88	3.89	3.89	84.47
CR-P-400-144-96	2.83	0	8	11	0.80	0.67	0.20	0.0	2.0	7.0	32.09	1.22		3.69
CR-P-402-121-95	2.65	1	17	18	1.00	1.00	1.25	0.0	14.0	16.0	77.64	3.22	3.89	84.73
CR-P-403-112-96	3.74	2	13	10	0.60	0.67	0.99	1.0	7.0	11.0	65.80	3.00		43.23

CR-P-406-102-96	2.83	0	11	11	0.80	0.83	0.99	0.0	3.0	14.0	51.15	1.44	3.00	27.92
CR-P-409-320-96	3.46	3	9	10	1.00	0.83	0.89	0.0	6.0	13.0	46.20	4.33	3.44	27.11
CR-P-415-103-96	3.74	8	12	5	1.00	0.67	1.57	4.0	6.0	19.0	59.16	3.67		14.33
CR-P-419-214-95	3.32	6	14	18	1.00	1.00	0.89	0.0	11.0	16.0	76.16	2.56	4.33	84.73
CR-P-419-227-96	2.65	9	16	17	0.80	1.00	0.98	14.0	17.0	16.0	83.07	1.67	3.89	88.92
CR-P-434-138-96	1.00	4	6	5	0.40	0.50	0.99	50.0	15.0	3.0	40.26	2.11		2.48
CR-P-999-323-95	3.16	2	18	17	1.00	0.83	1.11	50.0	10.0	16.0	77.77	2.56	3.89	85.51
CR-P-999-323-96	3.87	5	19	15	1.00	1.00	1.17	6.0	14.0	15.0	86.06	4.11	3.89	93.44
FR-P-005-141-96	4.36	0	17	7	1.00	1.00	1.28	14.0	4.0	5.0	48.85	1.44	1.00	14.84
FR-P-009-341-96	4.00	2	15	13	1.00	0.83	0.74	3.0	7.0	6.0	66.05	1.44	3.86	53.42
FR-P-009-347-96	2.83	1	13	10	0.80	1.00	0.84	0.0	4.0	6.0	54.65	1.00	3.57	53.42
FR-P-015-304-96	2.24	9	15	15	0.80	1.00	0.74	0.0	2.0	12.0	63.71	2.33	4.71	92.21
FR-P-034-228-96	4.12	1	16	16	1.00	1.00	1.17	10.0	6.0	11.0	65.64	3.00	3.29	57.57
FR-P-038-139-96	4.12	0	16	16	1.00	0.67	1.05	6.0	7.0	15.0	70.60	2.56	1.00	60.93
FR-P-046-227-96	2.45	0	12	12	0.80	0.83	0.46	0.0	4.0	16.0	47.22	1.67	2.14	45.25
FR-P-050-354-96	2.45	2	13	12	0.80	1.00	0.40	0.0	6.0	12.0	56.05	2.11	2.71	79.67
FR-P-093-237-96	4.24	2	14	5	0.80	0.83	0.63	0.0	6.0	10.0	51.09	2.56	1.57	23.62
FR-P-093-238-96	4.24	0	13	4	0.80	0.67	0.46	0.0	3.0	10.0	39.81	2.56	1.57	10.37
FR-P-100-117-96	4.00	4	9	5	0.80	0.83	1.35	0.0	16.0	10.0	63.65	3.89	2.43	19.48
FR-P-101-233-96	1.73	0	13	15	0.80	0.67	0.63	0.0	9.0	15.0	57.04	3.00	3.86	67.95
FR-P-103-230-96	2.83	5	6	6	1.00	0.83	1.30	0.0	5.0	7.0	50.18	2.78	3.00	11.57
FR-P-111-134-96	2.00	0	10	6	0.80	0.50	0.32	0.0	6.0	11.0	30.45	1.00	2.43	6.12
FR-P-116-221-96	2.24	2	8	12	1.00	0.50	0.32	0.0	3.0	3.0	41.96	2.33	3.29	17.04
FR-P-132-320-96	3.16	2	11	11	1.00	0.67	1.13	0.0	10.0	13.0	61.13	3.67	4.71	42.23
FR-P-156-217-96	3.46	7	10	14	1.00	0.83	0.79	50.0	17.0	16.0	74.20	2.56	3.86	64.75
FR-P-156-231-96	3.16	2	16	16	1.00	1.00	1.11	0.0	5.0	16.0	67.67	3.67	4.43	86.26
FR-P-156-234-96	3.61	19	18	16	0.80	1.00	0.99	0.0	9.0	15.0	84.84	2.78	4.14	94.79
FR-P-156-252-96	3.16	7	16	16	1.00	1.00	1.17	50.0	16.0	16.0	82.10	3.22	4.14	81.28
FR-P-168-218-96	3.16	3	11	7	1.00	0.83	1.28	3.0	7.0	9.0	49.80	1.22	2.14	25.13
FR-P-214-303-96	3.00	4	19	15	1.00	1.00	0.99	50.0	14.0	18.0	72.51	2.11	4.43	85.76
FR-P-214-342-96	2.83	3	15	4	1.00	1.00	0.94	50.0	12.0	16.0	54.26	1.67	4.71	71.41
FR-P-223-225-96	2.65	1	14	16	0.80	1.00	0.99	0.0	2.0	18.0	62.18	2.56	2.43	81.21
FR-P-223-240-96	2.83	0	9	8	0.60	0.83	0.74	0.0	7.0	15.0	46.59	1.44	1.57	27.51
FR-P-258-202-96	2.00	8	8	3	0.80	1.00	1.35	12.0	10.0	14.0	49.36	2.56	3.57	72.23

FR-P-258-215-96	3.87	2	15	13	1.00	0.83	1.25	7.0	7.0	16.0	60.45	3.00	4.14	71.41
FR-P-258-243-96	2.45	4	14	3	0.80	1.00	1.05	0.0	6.0	15.0	49.12	1.89	3.57	66.59
FR-P-261-122-96	3.32	0	3	2	0.60	0.83	0.79	0.0	3.0	5.0	33.84	1.22	3.29	4.07
FR-P-263-311-96	3.46	4	12	4	0.80	1.00	0.68	5.0	8.0	11.0	54.32	1.89	2.71	52.40
FR-P-265-335-96	4.00	23	18	18	0.80	1.00	1.11	50.0	16.0	12.0	93.01	1.44	4.14	99.93
FR-P-265-351-96	4.00	5	19	18	1.00	1.00	1.11	50.0	17.0	12.0	88.48	2.11	4.43	97.11
FR-P-275-239-96	3.16	5	16	18	1.00	1.00	0.99	0.0	7.0	15.0	74.93	2.56	4.71	92.21
FR-P-277-115-96	2.65	5	9	3	0.80	0.67	1.25	0.0	6.0	16.0	46.55	2.56	2.14	18.53
FR-P-288-133-96	4.00	4	12	4	0.80	0.67	1.40	50.0	10.0	5.0	63.30	3.22	4.14	35.90
FR-P-290-121-96	4.12	6	14	1	0.40	0.67	1.35	0.0	11.0	15.0	52.04	1.67	1.57	7.99
FR-P-294-313-96	3.32	3	17	1	1.00	0.50	0.94	2.0	2.0	13.0	48.70	1.89	3.57	48.31
FR-P-294-357-96	3.00	6	17	9	1.00	1.00	1.08	33.0	14.0	12.0	63.38	2.56	3.86	75.85
FR-P-298-308-96	3.61	0	17	17	1.00	0.67	1.05	3.0	11.0	9.0	71.55	2.78	4.14	73.05
FR-P-300-130-96	3.00	1	7	6	1.00	0.67	1.35	2.0	15.0	12.0	45.39	1.00	1.29	5.67
FR-P-302-334-96	4.12	2	14	16	1.00	1.00	1.13	0.0	16.0	14.0	72.77	1.67	4.43	72.23
FR-P-319-352-96	3.16	1	16	11	0.80	1.00	0.58	0.0	5.0	14.0	57.58	2.56	5.00	81.89
FR-P-321-214-96	2.24	5	17	17	0.80	1.00	1.37	45.0	14.0	13.0	80.17	2.33	4.43	95.85
FR-P-335-110-96	4.24	0	10	1	0.80	0.83	0.68	8.0	6.0	3.0	37.29	1.44	2.43	3.55
FR-P-349-204-96	2.24	4	12	11	1.00	0.67	0.93	0.0	7.0	12.0	53.33	2.33	4.43	48.82
FR-P-351-112-96	3.61	3	15	13	0.60	1.00	1.05	0.0	16.0	16.0	63.53	3.22		42.23
FR-P-354-321-96	2.00	10	10	2	0.80	1.00	1.37	11.0	10.0	12.0	51.20	2.78	3.00	56.46
FR-P-360-220-96	2.45	0	13	5	1.00	0.33	1.17	50.0	12.0	11.0	54.46	3.22	3.29	35.90
FR-P-371-132-96	2.24	1	8	8	0.20	0.67	0.46	0.0	6.0	15.0	35.95	1.22	1.57	8.95
FR-P-377-242-96	2.45	10	14	12	0.60	1.00	0.89	50.0	17.0	10.0	73.11	2.33	3.86	85.36
FR-P-388-208-96	2.45	1	15	16	0.60	1.00	0.94	0.0	6.0	16.0	57.79	1.67	3.57	57.46
FR-P-388-246-96	2.83	1	11	17	1.00	0.67	1.11	24.0	5.0	15.0	63.08	2.33	4.14	39.75
FR-P-394-317-96	2.45	3	16	14	0.80	1.00	0.32	0.0	8.0	14.0	60.54	1.89	3.00	88.08
FR-P-399-126-96	2.24	1	8	11	0.60	0.67	0.97	10.0	16.0	13.0	56.95	1.67		17.62
FR-P-409-210-96	2.83	1	7	3	0.80	0.83	0.32	0.0	12.0	16.0	38.32	2.56	1.57	16.75
FR-P-411-305-96	3.87	0	16	16	1.00	0.83	1.05	0.0	2.0	11.0	67.97	3.67	4.14	77.96
FR-P-421-306-96	3.61	6	19	13	1.00	0.83	1.25	0.0	6.0	6.0	71.50	3.00	4.14	87.20
FR-P-429-307-96	3.87	5	18	8	1.00	1.00	0.84	0.0	2.0	6.0	55.58	3.67	3.86	70.56
FR-P-461-251-96	2.45	0	9	10	0.80	0.83	0.46	0.0	7.0	15.0	44.81	3.22	3.86	34.04
FR-P-462-346-96	3.32	0	9	8	0.80	0.50	0.58	50.0	16.0	16.0	55.67	2.33	1.29	29.60

FR-P-474-302-96	2.65	4	11	11	0.80	0.83	0.63	0.0	12.0	16.0	57.24	1.67	1.57	72.64
FR-P-479-348-96	4.24	1	16	19	1.00	1.00	0.74	8.0	3.0	6.0	68.35	2.11	3.86	79.67
FR-P-516-235-96	2.24	2	15	1	0.80	1.00	0.52	0.0	6.0	17.0	40.71	2.78	3.29	59.95
FR-P-545-325-96	3.16	17	18	18	1.00	1.00	1.11	5.0	15.0	16.0	91.21	2.78	4.43	98.94
FR-P-545-345-96	3.16	6	16	16	0.80	1.00	1.19	10.0	15.0	18.0	83.25	1.67	4.43	88.51
FURN-101-C-2000	3.67	4	16	16	1.00	1.00	1.28	50.0	5.8	20.0	76.79	4.56	3.89	82.77
GWYN-301-X-2000	3.96	3	16	16	1.00	0.67	1.17	25.0	3.5	10.0	70.18	2.33	3.22	71.40
GWYN-302-X-2000	4.43	28	18	16	1.00	1.00	1.17	26.0	7.9	10.0	88.23	2.56	3.89	99.99
HA-P-001-205-96	3.87	8	17	14	0.80	1.00	0.99	50.0	12.0	15.0	76.99	2.11	5.00	91.28
HA-P-005-206-97	2.83	2	17	16	1.00	1.00	0.58	35.0	6.0	7.0	62.93	4.11	3.22	68.83
HA-P-008-1	2.83	6	15	13	1.00	1.00	0.99	50.0	6.0	16.0	66.73		3.44	
HA-P-008-3	4.24	0	16	19	0.80	0.50	1.17	50.0	15.0	19.0	82.35		4.33	
HA-P-010-103-97	3.74	4	16	18	0.80	0.83	1.32	50.0	16.0	16.0	82.27	3.67	4.56	71.41
HA-P-012-205-97	3.00	5	17	16	1.00	1.00	0.99	15.0	15.0	15.0	78.04	3.00	4.56	89.12
HA-P-013-101-97	4.12	2	17	17	1.00	0.83	1.35	15.0	10.0	15.0	79.18	2.56	1.67	53.42
HA-P-033-203-97	3.87	2	19	17	1.00	1.00	1.11	0.0	7.0	15.0	78.12	3.22	5.00	93.44
HA-P-033-212-97	3.46	7	12	12	1.00	1.00	0.68	3.0	3.0	13.0	53.87	3.89	4.56	57.46
HA-P-035-208-97	4.00	1	18	15	1.00	0.83	1.35	50.0	16.0	19.0	77.51	3.67	2.56	68.83
HA-P-037-104-97	3.00	7	15	17	1.00	0.83	1.43	5.0	5.0	13.0	72.53	3.44		57.46
HA-P-038-106-96	4.12	2	14	12	0.80	1.00	1.11	30.0	12.0	15.0	67.63	1.44	4.56	62.38
HA-P-041-1	4.00	3	17	14	0.80	0.83	1.35	50.0	15.0	17.0	80.30		1.89	
HA-P-041-2	2.65	2	5	9	0.60	0.33	1.35	7.0	1.0	16.0	39.37			
HA-P-062-207-96	2.24	15	8	4	0.60	0.67	0.89	35.0	8.0	10.0	41.36	1.89	2.56	5.25
HA-P-068-114-97	3.46	1	16	13	1.00	1.00	1.25	20.0	5.0	9.0	68.21	3.44	2.78	69.27
HA-P-071-1	4.36	1	16	15	0.60	0.83	1.11	5.0	1.0	15.0	68.69		4.56	
HA-P-071-2	3.32	4	16	15	1.00	0.50	0.46	0.0	1.0	14.0	62.49		4.33	
HA-P-071-318-97	2.83	5	16	17	1.00	1.00	0.58	23.0	7.0	9.0	65.46	3.89	4.56	89.12
HA-P-078-4	3.16	1	16	17	0.60	0.33	0.46	0.0	8.0	17.0	61.99		2.33	
HA-P-078-6	3.74	1	16	13	1.00	0.67	0.79	50.0	11.0	8.0	63.79		2.56	
HA-P-087-1	2.45	0	12	11	1.00	0.83	0.68	0.0	6.0	16.0	51.15		4.11	
HA-P-087-2	3.74	4	17	18	0.60	0.83	0.89	10.0	4.0	17.0	73.33		4.11	
HA-P-087-207-97	3.32	4	17	18	0.80	0.83	0.79	50.0	6.0	14.0	68.03	3.89	4.56	79.00
HA-P-099-102-97	4.47	0	16	11	1.00	0.50	1.25	50.0	16.0	16.0	65.20	3.44		5.89
HA-P-100-204-97	3.87	1	15	14	1.00	0.83	1.11	0.0	12.0	15.0	71.17	2.56	4.78	75.40

HA-P-116-109-96	3.00	5	15	11	1.00	1.00	1.25	50.0	10.0	15.0	66.28	3.22	3.22	62.38
HA-P-128-104-96	2.45	0	6	7	0.80	0.67	1.25	5.0	10.0	11.0	42.95	3.44	2.33	5.78
HA-P-131-1	2.45	1	15	16	0.60	0.50	0.46	0.0	3.0	16.0	56.19		4.56	
HA-P-131-3	3.16	1	6	4	0.80	0.33	0.89	0.0	6.0	15.0	41.49		3.67	
HA-P-133-111-97	2.65	0	14	13	1.00	0.67	0.68	13.0	1.0	12.0	52.28	3.67	2.78	38.29
HA-P-138-302-97	2.83	8	16	15	0.80	0.83	0.74	50.0	12.0	10.0	57.38	3.00	4.56	37.81
HA-P-141-302-96	3.16	1	17	16	0.80	0.67	0.94	50.0	19.0	15.0	73.11	3.44	4.78	83.36
HA-P-141-303-96	3.16	3	14	12	1.00	0.67	0.68	22.0	12.0	14.0	62.74	3.22	4.78	58.46
HA-P-142-105-97	3.46	5	10	9	1.00	0.83	1.35	35.0	16.0	15.0	67.27	3.44	1.67	22.89
HA-P-151-102-96	3.32	0	8	11	0.80	0.33	1.43	0.0	0.0	0.0	46.70	1.67	2.11	5.35
HA-P-156-112-97	3.16	8	17	16	0.80	1.00	1.17	50.0	15.0	10.0	85.53	4.11		80.32
HA-P-164-306-96	2.24	11	12	5	0.60	0.50	0.89	0.0	6.0	11.0	51.94	2.56	4.11	94.26
HA-P-174-2	4.12	1	18	16	0.80	0.50	0.99	0.0	1.0	15.0	69.37		4.78	
HA-P-174-4	4.36	0	17	17	1.00	0.67	0.79	30.0	1.0	17.0	68.12			
HA-P-178-202-97	3.87	0	16	16	1.00	0.83	0.94	50.0	15.0	12.0	76.01	4.11	2.78	70.56
HA-P-178-209-97	4.24	7	18	18	1.00	1.00	1.25	50.0	18.0	17.0	93.24	3.44	4.33	96.19
HA-P-180-107-97	3.46	3	16	13	1.00	0.83	0.63	0.0	8.0	7.0	64.98	3.89	3.44	51.38
HA-P-186-308-97	3.16	6	18	10	1.00	0.83	0.89	50.0	14.0	15.0	65.11	3.44	5.00	77.61
HA-P-205-1	3.16	3	12	13	0.80	0.83	1.05	0.0	6.0	8.0	61.36		3.22	
HA-P-205-2	2.65	12	18	15	0.80	1.00	1.35	10.0	13.0	14.0	84.28		3.67	
HA-P-207-1	3.61	0	14	14	1.00	0.83	0.74	0.0	0.0	12.0	53.55		4.33	
HA-P-207-2	3.46	2	17	17	0.80	0.50	0.89	0.0	8.0	15.0	68.65		4.33	
HA-P-214-211-97	4.00	5	19	18	1.00	1.00	1.35	30.0	8.0	11.0	81.93	3.44	4.33	83.64
HA-P-216-1	2.00	1	3	4	0.40	0.00	1.35	0.0	2.0	2.0	31.64		1.22	
HA-P-216-2	4.00	5	17	14	0.80	0.33	0.99	0.0	1.0	17.0	66.38		5.00	
HA-P-225-1	2.45	4	12	11	0.60	0.67	1.25	50.0	6.0	15.0	57.25		2.78	
HA-P-225-2	3.61	5	6	14	0.60	0.17	1.35	50.0	13.0	16.0	66.66		1.44	
HA-P-244-1	3.32	2	12	11	0.80	0.67	0.94	1.0	5.0	16.0	54.18		3.44	
HA-P-244-2	3.87	2	15	16	1.00	0.50	1.25	1.0	5.0	17.0	72.20		3.67	
HA-P-246-304-96	3.32	11	12	11	0.40	1.00	0.89	50.0	16.0	16.0	72.09	3.67	4.11	91.12
HO-P-001-214-97	2.45	9	13	14	1.00	1.00	1.25	50.0	10.0	16.0	73.42	3.89	3.67	87.65
HO-P-002-321-97	3.00	6	7	6	0.60	1.00	1.25	50.0	10.0	10.0	51.51	2.78	3.67	28.34
HO-P-018-106-97	3.16	1	14	13	1.00	0.67	1.35	40.0	7.0	17.0	65.59	2.56	2.33	52.40
HO-P-036-314-95	2.24	3	14	11	1.00	1.00	1.05	50.0	16.0	15.0	52.87	3.67	3.00	7.99

HO-P-058-125-97	3.32	9	15	15	1.00	1.00	1.25	7.0	7.0	16.0	77.96	3.67	3.67	93.54
HO-P-058-126-97	3.61	6	16	15	1.00	1.00	1.25	50.0	14.0	18.0	82.31	4.56	3.67	89.70
HO-P-063-203-97	3.00	4	12	13	1.00	0.83	0.84	50.0	10.0	15.0	65.16	4.11	2.56	66.59
HO-P-068-220-95	3.32	0	16	16	1.00	0.67	1.05	40.0	15.0	18.0	75.97	3.67	3.44	65.21
HO-P-068-231-96	3.16	0	18	17	1.00	0.67	0.99	50.0	12.0	16.0	69.89	1.00	3.67	60.44
HO-P-069-229-97	3.32	4	11	11	0.80	0.83	0.94	0.0	4.0	5.0	59.13	4.11	3.67	40.24
HO-P-083-235-97	3.00	5	13	14	1.00	1.00	0.99	50.0	3.0	16.0	65.03	4.11	3.89	79.33
HO-P-087-202-95	2.83	7	11	15	1.00	0.83	1.25	50.0	7.0	13.0	70.39	3.44	3.89	40.74
HO-P-094-116-96	2.00	0	12	14	0.80	0.83	1.25	18.0	9.0	6.0	58.34	2.56	3.67	22.89
HO-P-098-224-97	3.32	5	7	10	0.80	0.83	1.17	0.0	0.0	4.0	56.16	2.78	2.11	44.94
HO-P-104-219-97	2.24	7	8	10	0.60	1.00	0.92	50.0	14.0	14.0	60.20	3.89	3.89	24.37
HO-P-108-313-95	3.16	5	15	15	0.80	1.00	0.68	0.0	16.0	18.0	73.99	3.44	4.11	81.59
HO-P-115-204-96	3.16	3	16	15	1.00	1.00	1.43	0.0	13.0	16.0	75.76	3.22	3.89	76.15
HO-P-127-237-97	2.65	6	13	12	1.00	1.00	1.11	50.0	11.0	16.0	66.97	3.22	3.89	77.25
HO-P-132-312-97	2.83	4	14	14	0.80	1.00	0.94	50.0	2.0	16.0	61.04	3.44	4.33	81.28
HO-P-132-319-97	3.16	5	12	11	1.00	0.83	0.89	50.0	14.0	16.0	65.03	3.89	3.67	51.38
HO-P-143-109-97	2.83	1	14	16	0.80	1.00	1.11	0.0	0.0	12.0	61.94	3.22	2.33	71.82
HO-P-151-222-96	3.61	5	18	13	0.80	1.00	0.63	0.0	5.0	15.0	61.77	1.89	4.33	52.81
HO-P-154-125-96	4.12	3	12	7	1.00	1.00	0.89	50.0	12.0	17.0	59.61	4.33	3.00	44.74
HO-P-158-309-97	2.65	5	16	17	1.00	1.00	1.19	36.0	7.0	15.0	73.18	3.44	3.67	92.47
HO-P-169-111-97	3.16	0	13	11	0.80	0.67	0.94	0.0	9.0	16.0	57.89	3.67	1.89	30.90
HO-P-182-207-96	3.32	3	17	15	1.00	1.00	1.11	38.0	6.0	16.0	71.65	3.00	3.89	87.65
HO-P-191-116-97	3.46	3	10	14	0.80	0.83	0.68	0.0	3.0	16.0	59.35	3.89	3.00	48.92
HO-P-194-310-97	2.83	4	18	17	1.00	1.00	1.05	50.0	7.0	16.0	71.01	3.67	4.56	77.25
HO-P-195-130-97	2.83	2	3	5	0.80	0.83	0.76	17.0	3.0	8.0	37.11	2.56		3.41
HO-P-208-120-97	2.83	7	7	4	1.00	0.83	0.99	8.0	4.0	11.0	51.44	2.11	2.33	22.18
HO-P-214-311-97	2.65	1	15	15	1.00	1.00	1.25	50.0	13.0	16.0	68.73	4.11	4.56	63.33
HO-P-228-119-97	2.65	3	14	16	1.00	0.67	1.25	50.0	4.0	17.0	65.10	4.11	3.44	69.70
HO-P-239-217-97	2.24	11	15	17	0.80	1.00	1.32	2.0	2.0	7.0	74.07	3.89	3.89	94.99
HO-P-244-310-95	2.45	1	13	14	1.00	0.67	0.44	0.0	8.0	12.0	57.01	3.00	4.11	71.82
JONE-109-S-2000	2.59	1	12	11	1.00	0.83	1.25	50.0	7.0	18.0	58.36	4.11		34.05
JONE-315-S-2000	4.38	4	17	17	1.00	1.00	1.35	50.0	7.6	17.0	81.93	4.33	3.22	93.17
JONE-322-S-2000	3.32	5	12	14	1.00	0.83	1.11	50.0	6.5	16.0	67.58	4.33	2.78	72.63
LIBE-101-C-2000	4.36	24	16	19	1.00	0.83	1.35	50.0	12.2	17.0	94.15	5.00	3.89	99.63

LIBE-101-R-2000	4.17	2	15	17	1.00	0.83	1.01	1.0	11.0	19.0	77.14	4.33	4.11	70.13
LIBE-102-C-2000	3.87	8	18	18	1.00	0.83	1.35	50.0	15.3	18.0	91.92	4.11	4.33	96.46
LIBE-103-C-2000	3.79	5	17	17	1.00	0.83	1.11	32.5	12.2	17.0	82.49	4.33	3.89	74.62
LIBE-104-R-2000	4.47	0	9	10	1.00	0.67	0.68	0.0	7.9	18.0	59.52	2.78		34.60
LIBE-105-C-2000	3.60	9	17	18	1.00	0.83	1.35	50.0	7.2	16.0	83.06	4.11		91.11
LIBE-110-R-2000	3.96	7	13	14	1.00	0.83	1.25	15.0	9.6	18.0	72.92	4.56	4.11	47.29
LIBE-111-R-2000	3.56	4	15	17	0.80	1.00	1.43	35.0	0.0	10.0	69.31	2.78	3.89	68.82
LIBE-113-R-2000	4.18	6	16	15	1.00	0.83	1.35	50.0	7.9	5.0	82.03	2.78		83.63
LIBE-115-R-2000	4.47	3	18	18	1.00	0.83	1.13	25.5	0.0	15.0	75.31	4.11	4.11	82.12
LIBE-117-R-2000	4.21	16	15	17	1.00	0.83	1.47	50.0	0.0	14.0	79.44	4.11	3.00	96.19
LIBE-119-R-2000	4.06	4	18	18	1.00	0.83	1.25	22.0	13.3	19.0	83.19	3.89	4.33	75.01
LIBE-202-R-2000	4.11	13	18	18	1.00	1.00	1.07	32.5	4.3	16.0	85.86	4.11	4.11	98.44
LIBE-203-R-2000	4.38	4	15	16	1.00	0.83	0.64	50.0	20.0	19.0	77.29	3.44	4.11	67.76
LIBE-204-C-2000	4.06	9	18	18	1.00	1.00	1.35	50.0	7.0	13.0	86.14	4.56	3.89	91.11
LIBE-207-R-2000	4.06	5	14	16	1.00	1.00	1.25	45.0	12.2	11.0	79.27	3.44	3.67	64.27
LIBE-209-R-2000	4.05	7	15	17	1.00	1.00	1.17	37.5	3.5	17.0	75.20	3.44	4.11	88.46
LIBE-212-R-2000	4.06	15	19	17	1.00	1.00	1.25	50.0	11.5	17.0	88.65	3.00	3.89	99.41
LIBE-216-R-2000	3.92	14	18	17	0.80	0.83	1.02	50.0	12.2	18.0	91.26	3.89	3.89	99.79
LIBE-303-R-2000	4.00	4	17	17	1.00	1.00	1.05	50.0	13.3	18.0	80.46	3.44	4.33	95.62
LIBE-318-R-2000	2.96	1	17	16	1.00	1.00	0.66	50.0	15.6	14.0	70.54	3.44	4.11	86.15
LOCH-102-S-2000	3.46	6	16	14	1.00	0.83	1.25	50.0	9.6	17.0	77.28	4.33	3.00	69.70
LOCH-120-S-2000	2.68	1	16	16	1.00	0.83	1.35	50.0	11.0	19.0	73.64	3.22		71.40
LOCH-209-S-2000	4.08	2	16	18	1.00	1.00	1.11	42.5	3.9	16.0	75.43	3.67	3.22	80.31
LPAX-109-R-2000	3.83	11	16	16	1.00	0.83	1.17	50.0	7.9	18.0	84.24	4.11	2.33	83.35
LPAX-112-R-2000	3.67	10	13	13	1.00	1.00	1.17	22.5	8.0	14.0	73.37	3.89	3.22	86.72
LPAX-113-R-2000	3.83	32	18	17	1.00	1.00	1.22	30.0	2.9	15.0	84.42	3.00	4.33	99.89
LPAX-115-R-2000	4.20	8	12	16	0.80	0.83	0.56	50.0	7.0	16.0	71.54	3.44	3.67	86.39
LPAX-116-R-2000	3.92	13	16	16	1.00	1.00	1.25	5.5	7.1	15.0	83.71	2.33	3.00	98.76
LPAX-118-R-2000	3.96	6	8	10	1.00	0.83	1.11	16.5	2.3	2.0	59.07	2.11		14.09
LPAX-204-R-2000	3.46	8	5	4	0.80	0.83	1.25	50.0	7.3	13.0	56.91	4.33	2.78	54.44
LPAX-217-R-2000	3.81	13	17	15	1.00	1.00	1.25	50.0	7.9	15.0	84.89	3.67	3.22	98.59
LPAX-311-R-2000	2.58	4	7	6	0.60	0.83	1.20	45.0	7.2	7.0	49.07	2.78	2.78	54.44
MO-P-001-214-97	3.32	1	15	17	1.00	0.83	1.05	0.0	0.0	10.0	60.54	2.11	2.14	55.96
MO-P-006-1	2.00	1	8	3	0.60	0.67	0.68	50.0	12.0	13.0	43.51		3.86	

MO-P-006-2	1.41	0	6	1	0.60	0.83	0.23	0.0	6.0	2.0	28.48		4.33	
MO-P-014-107-97	4.00	1	10	5	1.00	0.67	0.84	0.0	1.0	12.0	44.90	2.78	2.14	17.92
MO-P-016-227-97	4.24	1	13	11	0.80	0.83	1.17	50.0	19.0	17.0	66.61	2.78	2.71	22.18
MO-P-022-3	1.73	0	3	3	1.00	0.17	1.25	50.0	15.0	18.0	37.18		1.86	
MO-P-022-6	2.00	0	3	3	1.00	0.33	1.17	50.0	15.0	18.0	37.46			
MO-P-024-307-97	4.00	2	14	5	0.80	0.83	1.17	0.0	12.0	16.0	67.35	4.56	4.14	68.83
MO-P-024-315-97	3.16	5	19	5	1.00	0.33	0.99	0.0	7.0	16.0	54.36	3.89	1.86	37.81
MO-P-025-1	2.00	0	11	6	0.80	0.83	1.25	9.0	6.0	1.0	49.58			
MO-P-025-2	1.73	1	5	4	0.60	0.67	0.68	0.0	1.0	1.0	24.32		1.86	
MO-P-035-227-97	2.24	4	14	16	0.80	1.00	1.25	50.0	11.0	12.0	68.52	3.44	3.89	76.52
MO-P-038-1	2.24	5	16	12	1.00	1.00	1.17	50.0	8.0	11.0	69.62		4.78	
MO-P-038-3	2.00	0	8	2	1.00	0.33	1.05	50.0	6.0	10.0	43.07			
MO-P-053-2	1.41	0	5	3	0.80	0.83	1.11	50.0	6.0	12.0	37.82		3.86	
MO-P-053-7	1.73	2	9	3	0.60	0.83	1.28	50.0	7.0	12.0	44.58		3.86	
MO-P-056-319-97	2.24	5	16	6	1.00	1.00	0.79	0.0	10.0	16.0	56.49	1.67	3.89	64.75
MO-P-059-320-97	2.45	8	11	11	0.80	0.67	0.74	50.0	16.0	16.0	63.62	4.33	3.22	51.38
MO-P-064-328-97	3.87	0	14	16	1.00	0.83	0.99	50.0	16.0	16.0	72.02	3.00	3.57	49.84
MO-P-069-5	2.45	0	14	8	0.80	0.83	1.35	50.0	6.0	0.0	53.50		2.43	
MO-P-082-124-97	3.16	8	17	11	0.80	1.00	1.40	50.0	4.0	12.0	67.32	1.67	1.67	60.93
MO-P-086-1	1.73	4	15	12	0.60	0.83	1.35	50.0	6.0	15.0	58.77		2.56	
MO-P-086-2	2.24	5	9	11	0.80	1.00	1.05	50.0	10.0	10.0	60.85		3.67	
MO-P-091-204-97	2.65	3	17	13	1.00	1.00	0.84	50.0	10.0	15.0	62.84	2.56	2.71	67.95
MO-P-099-1	1.41	1	6	5	0.80	0.67	1.25	50.0	5.0	12.0	39.02		1.29	
MO-P-099-2	1.41	0	7	5	0.80	0.83	1.05	50.0	5.0	12.0	37.60		1.29	
MO-P-101-126-97	4.00	2	15	11	1.00	1.00	0.99	50.0	2.0	8.0	62.16	1.44	1.44	52.40
MO-P-102-308-97	4.36	1	17	18	1.00	0.83	0.99	5.0	3.0	16.0	68.58	2.56	4.43	58.96
MO-P-103-1	2.24	2	17	12	1.00	0.67	1.35	50.0	8.0	14.0	65.00		2.71	
MO-P-103-2	3.00	2	17	16	1.00	1.00	1.40	50.0	8.0	16.0	70.68		3.67	
MO-P-108-123-97	4.36	0	16	15	1.00	0.67	1.17	0.0	1.0	12.0	62.27	1.67	2.71	41.23
MO-P-110-223-97	4.36	0	16	5	1.00	0.83	0.79	0.0	8.0	5.0	58.47	3.00	3.67	47.80
MO-P-111-136-96	2.65	2	12	14	1.00	0.83	1.11	50.0	8.0	16.0	58.77	3.22		46.78
MO-P-118-1	2.24	6	13	3	0.80	1.00	1.05	50.0	17.0	14.0	61.55		3.57	
MO-P-118-2	1.73	0	8	5	0.80	0.67	0.68	50.0	16.0	16.0	47.58		3.86	
MO-P-126-206-97	2.24	5	12	15	0.80	0.83	1.25	42.0	15.0	19.0	74.42	4.78	3.00	88.30

MO-P-128-118-97	4.24	0	10	15	0.80	0.67	1.17	0.0	5.0	9.0	61.90	3.67		13.84
MO-P-129-114-97	3.87	0	10	12	1.00	0.67	1.35	23.0	8.0	16.0	62.48	1.67		18.53
MO-P-129-119-97	4.12	3	13	10	1.00	0.83	0.99	0.0	5.0	16.0	59.69	3.00	3.57	45.25
MO-P-129-131-97	3.16	0	11	16	0.80	0.67	1.25	50.0	14.0	18.0	69.34	2.56		28.75
MO-P-153-113-97	3.46	7	13	15	0.80	0.83	1.35	22.0	5.0	20.0	69.54	2.78	4.33	46.27
MO-P-159-110-97	3.74	5	11	11	0.80	0.67	1.35	11.0	2.0	15.0	55.18	2.56		13.12
MO-P-180-1	1.73	5	12	5	1.00	0.83	1.05	50.0	9.0	17.0	55.97		3.57	
MO-P-180-3	2.00	4	13	5	1.00	1.00	1.05	50.0	16.0	11.0	61.47			
MO-P-182-325-97	2.65	6	12	8	1.00	1.00	1.11	0.0	1.0	16.0	50.85	2.56	3.00	42.23
MO-P-190-302-97	4.24	1	16	16	1.00	0.83	0.79	0.0	2.0	15.0	61.19	3.89	3.57	54.95
MO-P-192-1	2.65	0	16	12	0.80	0.33	1.11	0.0	1.0	13.0	55.47		1.00	
MO-P-192-2	2.83	0	16	11	0.60	0.67	1.17	8.0	1.0	13.0	56.02			
MO-P-204-137-97	2.83	4	12	17	1.00	0.67	1.35	50.0	10.0	16.0	71.70	3.67	2.33	36.37
MO-P-206-311-97	2.24	6	12	5	1.00	0.83	1.05	50.0	18.0	18.0	56.38	3.44	3.86	39.75
MO-P-213-205-97	2.65	7	16	17	1.00	1.00	1.35	50.0	15.0	15.0	82.78	3.67	4.33	90.25
MO-P-233-1	2.45	3	12	12	1.00	0.67	1.17	50.0	8.0	16.0	60.97		3.57	
MO-P-233-2	2.24	3	11	10	1.00	0.67	1.05	50.0	10.0	18.0	52.31		3.57	
MO-P-245-303-97	2.65	5	10	7	1.00	0.83	1.32	50.0	13.0	17.0	54.16	3.22	3.00	35.90
MO-P-248-125-96	2.65	2	12	14	0.80	0.83	1.08	50.0	14.0	16.0	66.71	3.44	4.14	64.75
MO-P-251-115-97	4.36	0	12	12	0.80	0.83	1.35	0.0	3.0	15.0	58.66	4.11	3.00	16.19
MO-P-252-323-97	2.65	3	15	17	1.00	0.83	0.94	50.0	16.0	14.0	76.19	4.33	4.78	84.47
MO-P-258-213-97	4.00	1	15	17	0.80	0.67	1.47	50.0	6.0	16.0	76.45	2.78	2.78	71.41
MO-P-265-4	2.24	0	16	5	0.80	0.83	0.46	50.0	5.0	16.0	44.09		1.00	
MO-P-265-5	4.24	0	0	1	0.40	0.50	1.11	50.0	6.0	19.0	28.66			
MO-P-269-203-97	4.24	2	15	11	1.00	0.83	0.99	0.0	0.0	8.0	60.53	1.67	1.44	62.86
MO-P-276-211-97	3.46	6	16	17	1.00	0.67	1.35	50.0	11.0	17.0	77.84	3.44	4.71	67.05
MO-P-286-1	2.00	1	7	5	1.00	1.00	0.79	50.0	5.0	8.0	45.96		2.14	
MO-P-286-2	2.24	0	11	5	0.80	1.00	1.05	10.0	5.0	6.0	39.64		2.43	
MO-P-296-1	2.00	2	8	3	1.00	1.00	0.89	30.0	5.0	6.0	34.24			
MO-P-296-2	2.24	1	6	5	1.00	0.83	0.79	0.0	3.0	7.0	31.60		2.43	
MO-P-304-127-97	2.24	3	12	14	1.00	0.83	0.84	50.0	2.0	12.0	52.47	2.56		32.67
MO-P-308-117-97	2.45	0	14	16	0.60	0.50	1.35	12.0	1.0	4.0	58.77	1.67	1.22	29.60
MO-P-310-313-97	4.00	4	13	11	0.80	0.67	0.99	50.0	8.0	11.0	67.24	1.00	2.78	65.68
MO-P-311-112-97	3.87	6	13	11	0.80	1.00	1.11	37.0	12.0	18.0	70.42	4.33	3.29	57.96

MO-P-316-205-97	2.83	1	15	14	1.00	0.67	0.94	50.0	2.0	5.0	56.72	2.56	1.67	43.23
MO-P-325-208-97	3.16	3	13	11	1.00	0.83	1.35	50.0	10.0	18.0	65.91	3.44	4.11	57.96
MO-P-325-216-97	2.24	2	15	10	0.80	0.83	1.11	50.0	6.0	16.0	52.73	3.00	4.11	54.44
MO-P-333-207-97	4.00	1	10	15	1.00	1.00	1.11	50.0	12.0	18.0	65.51	3.44	3.86	34.04
MO-P-333-224-97	4.12	2	11	11	0.80	0.83	0.94	50.0	9.0	16.0	64.44	3.67	3.86	58.96
MO-P-361-8	2.24	2	11	5	1.00	0.83	1.25	50.0	9.0	16.0	53.04		3.29	
MO-P-366-212-97	4.24	1	13	15	0.80	0.83	1.11	50.0	15.0	19.0	72.77	3.89	4.43	42.23
MO-P-370-308-97	2.45	16	13	15	0.80	1.00	0.79	50.0	16.0	16.0	77.83	3.89	4.33	93.54
MO-P-407-225-97	4.00	0	16	9	1.00	0.83	0.52	0.0	3.0	15.0	53.24	3.44	4.33	50.35
MO-P-419-2	3.16	0	3	1	0.80	0.67	0.58	50.0	10.0	16.0	38.68		3.29	
MO-P-428-106-97	4.12	2	15	16	1.00	0.50	1.05	20.0	15.0	13.0	78.29	3.22	4.71	66.14
MO-P-432-1	2.24	0	17	16	0.80	0.83	1.01	0.0	1.0	5.0	55.09		1.00	
MO-P-432-2	1.00	1	5	2	0.40	0.67	0.46	50.0	5.0	1.0	29.41			
MO-P-436-226-97	4.12	0	5	6	0.80	0.50	0.74	0.0	5.0	15.0	41.99	2.56	1.29	6.01
MO-P-437-206-97	3.16	4	16	16	1.00	1.00	1.05	50.0	4.0	17.0	66.98	2.78	4.11	80.96
MO-P-437-210-97	3.32	2	15	8	1.00	1.00	1.25	50.0	9.0	16.0	65.99	3.67	3.89	70.14
MO-P-445-318-97	3.87	5	16	11	1.00	1.00	1.05	10.0	2.0	16.0	62.66	3.67	4.14	70.14
MO-P-452-1	3.00	1	9	15	0.80	0.50	1.35	0.0	1.0	2.0	52.85			
MO-P-452-2	2.00	1	7	5	0.80	0.83	1.40	0.0	3.0	2.0	40.32			
MO-P-454-3	2.45	4	18	3	1.00	1.00	1.35	50.0	5.0	19.0	60.75		3.29	
MO-P-468-109-97	3.61	3	15	13	0.80	0.67	1.17	50.0	5.0	8.0	65.05	1.67		40.24
MO-P-470-1	2.24	3	11	5	0.80	0.67	0.94	50.0	6.0	7.0	44.74		3.00	
MO-P-470-2	1.73	3	5	4	0.60	0.83	1.40	13.0	3.0	4.0	39.52		3.29	
MO-P-474-317-97	3.74	0	14	14	1.00	0.67	1.17	23.0	17.0	18.0	72.54	2.78	4.43	63.81
MO-P-478-312-97	4.24	1	18	17	1.00	1.00	0.79	17.0	7.0	16.0	71.86	1.67	2.78	78.31
MO-P-480-2	4.12	0	17	18	0.60	0.83	0.79	0.0	10.0	4.0	73.39			
MO-P-480-3	2.24	0	18	17	1.00	0.83	1.28	50.0	11.0	10.0	72.00		3.67	
MO-P-480-326-97	4.47	0	12	11	1.00	0.67	1.25	12.0	3.0	5.0	56.48	1.89	1.89	19.16
MO-P-481-101-97	3.74	2	13	5	1.00	0.83	1.35	50.0	6.0	15.0	61.35	3.22		47.29
MO-P-488-1	2.24	2	11	11	0.80	0.83	0.99	50.0	9.0	15.0	53.00			
MO-P-488-2	1.73	2	11	11	1.00	1.00	1.11	50.0	8.0	5.0	45.87			
MO-P-489-314-97	3.61	9	17	9	1.00	1.00	1.17	50.0	8.0	16.0	67.18	1.89	3.89	60.44
MO-P-489-323-97	2.00	2	12	7	1.00	0.83	1.05	50.0	10.0	16.0	51.92	1.67	2.56	43.73
MO-P-490-2	2.45	2	16	5	0.60	0.67	1.25	0.0	1.0	6.0	47.15		1.29	

MO-P-490-4	3.74	2	6	2	0.60	0.67	1.35	50.0	6.0	16.0	46.94			
MO-P-495-312-96	2.83	9	13	18	0.80	1.00	1.25	41.0	4.0	16.0	76.29	3.22	4.43	96.48
MO-P-496-215-97	3.16	1	11	5	1.00	0.83	1.35	21.0	5.0	16.0	51.71	3.67	1.86	27.11
MO-P-500-1	2.24	2	16	15	1.00	1.00	1.11	2.0	3.0	3.0	55.64		2.78	
MO-P-500-2	2.00	2	15	10	0.80	1.00	1.35	0.0	10.0	14.0	56.61		3.22	
MO-P-501-1	3.32	0	3	1	0.60	0.50	0.89	1.0	7.0	16.0	31.29		1.89	
MO-P-501-105-97	4.12	0	8	8	1.00	0.33	0.79	7.0	3.0	15.0	45.64	1.44		3.15
MO-P-501-3	2.00	0	5	1	0.40	0.67	0.74	0.0	7.0	16.0	27.77		2.11	
MO-P-508-2	3.16	0	12	5	1.00	0.67	1.25	50.0	6.0	6.0	51.75		3.57	
MO-P-508-3	1.41	3	15	5	1.00	0.83	1.35	50.0	8.0	5.0	55.25		3.86	
MO-P-514-116-97	3.87	0	10	10	1.00	0.50	1.35	50.0	15.0	16.0	64.03	3.89	3.29	12.89
OCTO-102-C-2000	2.58	1	16	16	1.00	1.00	1.35	50.0	6.3	16.0	69.67	4.33	3.00	76.14
OCTO-201-C-2000	4.05	0	18	16	1.00	0.83	1.25	31.0	3.2	13.0	74.21	3.67	4.11	89.50
PATL-103-R-2000	3.92	4	11	12	1.00	0.83	0.89	17.5	4.6	2.0	63.30	3.00	3.67	60.24
PATL-105-R-2000	3.79	10	13	11	1.00	1.00	1.17	32.5	3.5	3.0	66.40	2.56	1.67	60.92
PATL-106-R-2000	4.39	9	14	15	0.80	1.00	1.35	50.0	11.0	16.0	83.87	3.00		86.96
PATL-109-R-2000	3.21	5	6	5	1.00	0.83	1.25	27.5	3.5	13.0	44.79	3.22	2.56	25.92
PATL-111-R-2000	4.04	13	11	11	0.80	1.00	1.17	20.0	9.6	3.0	74.82	2.56		50.35
PATL-114-R-2000	4.12	9	17	12	1.00	0.83	0.99	50.0	9.6	10.0	77.80	3.67	3.22	93.68
PATL-116-R-2000	3.72	2	16	17	0.80	0.67	1.08	40.0	4.6	5.0	69.49	2.56	1.22	58.76
PATL-118-R-2000	3.31	4	14	13	0.00	0.00	1.01	30.0	13.3	19.0	71.53	2.78		
PATL-119-R-2000	4.47	0	17	18	1.00	0.67	1.17	45.0	5.3	14.0	72.71	2.33	1.22	50.87
PATL-124-R-2000	3.66	10	16	17	0.80	0.83	1.32	50.0	20.0	19.0	90.98	3.67		95.69
PATL-127-R-2000	4.43	4	19	15	1.00	0.83	1.20	35.0	3.9	3.0	73.63	1.89	1.22	91.75
PATL-207-R-2000	4.47	2	17	17	1.00	1.00	1.30	2.5	0.0	2.0	68.93	3.44	3.00	53.93
PATL-222-R-2000	4.39	11	16	16	1.00	1.00	0.94	50.0	7.9	5.0	80.62	3.67	4.11	92.77
PATL-317-R-2000	2.28	8	14	7	1.00	1.00	0.92	40.0	0.0	5.0	51.78	1.89	4.56	78.78
PRET-101-R-2000	4.24	3	11	11	0.80	0.83	0.94	31.0	3.2	10.0	60.95	3.67	1.44	45.25
PRET-102-R-2000	2.52	3	7	6	1.00	0.83	0.89	0.0	11.0	16.0	48.88	4.56	2.11	32.23
PRET-104-R-2000	3.61	14	16	15	1.00	0.83	1.28	50.0	9.6	18.0	85.20	4.33	3.89	99.23
PRET-108-R-2000	3.74	10	17	16	1.00	0.83	1.25	50.0	11.0	19.0	86.16	4.56	3.67	97.68
PRET-109-R-2000	3.16	11	16	16	0.80	1.00	1.17	35.5	9.6	18.0	83.62	2.78	4.11	99.19
PRET-110-R-2000	3.67	2	15	16	1.00	0.83	1.05	50.0	12.9	14.0	76.01	3.67	4.56	62.85
PRET-111-R-2000	4.29	2	13	14	1.00	0.50	0.23	0.0	2.6	16.0	58.68	4.33	3.67	61.89

PRET-112-R-2000	3.26	8	8	8	1.00	0.83	1.28	29.0	7.9	13.0	59.35	4.33		51.38
PRET-113-R-2000	2.89	6	14	14	1.00	1.00	0.89	50.0	0.0	16.0	62.12	3.44	4.11	96.26
PRET-214-R-2000	3.96	5	14	15	0.80	1.00	0.99	50.0	9.6	17.0	72.53	3.89	5.00	91.43
PW-M-998-1	4.36	0	2	2	1.00	0.83	1.35	0.0	3.0	16.0	44.70			
PW-M-998-2	4.24	0	16	16	0.80	0.50	0.58	0.0	3.0	11.0	51.06			
PW-M-999-3	3.46	0	18	16	0.80	0.83	0.94	4.0	6.0	4.0	70.98			
PW-M-999-4	3.61	1	18	18	1.00	0.83	1.17	50.0	6.0	5.0	76.78			
RKGR-119-S-2000	2.65	7	16	17	1.00	0.67	1.25	50.0	7.9	19.0	75.25	3.44	3.89	92.05
SBPA-103-R-2000	2.49	3	11	12	0.80	0.67	0.94	50.0	6.7	16.0	57.05	4.33		39.27
SBPA-104-R-2000	1.87	1	11	12	1.00	0.83	0.63	50.0	7.9	16.0	50.65	3.44	3.44	37.81
SBPA-105-R-2000	4.20	4	14	13	1.00	0.83	1.35	50.0	15.3	19.0	79.52	3.00		73.84
SBPA-108-R-2000	4.23	0	16	16	1.00	0.67	1.17	30.0	2.9	19.0	70.51	2.33	3.67	66.13
SBPA-109-R-2000	2.94	4	11	11	1.00	0.67	1.35	50.0	7.8	17.0	62.39	3.44		44.74
SBPA-113-R-2000	3.14	7	16	14	1.00	1.00	1.11	0.0	8.8	15.0	71.39	4.78	4.33	87.86
SBPA-117-R-2000	3.00	2	12	11	1.00	0.83	1.17	50.0	14.0	17.0	65.92	4.33	2.56	25.53
SBPA-207-R-2000	3.61	9	14	16	1.00	1.00	1.05	50.0	7.9	16.0	78.06	3.44	3.67	97.94
SBPA-329-R-2000	2.58	5	18	16	1.00	1.00	1.05	50.0	8.3	18.0	74.49	4.11	4.11	97.58
SBPA-424-R-2000	4.09	5	14	10	1.00	0.67	0.99	50.0	11.0	15.0	67.92	3.89	3.67	73.04
SWAN-104-R-2000	4.00	1	15	11	1.00	1.00	1.35	13.5	5.8	4.0	65.12	4.11	3.67	37.81
SWAN-105-R-2000	4.34	7	15	11	1.00	1.00	1.05	50.0	7.9	10.0	74.88	4.11	3.67	91.59
SWAN-106-R-2000	4.23	3	5	9	1.00	0.33	1.43	25.0	11.7	18.0	48.37	2.11		2.80
SWAN-110-R-2000	4.46	1	14	18	0.80	0.67	0.32	25.0	9.6	15.0	63.13	2.78	2.78	21.84

7 APPENDIX B

Formulae for deriving PHI scores for each stream class

Coastal Plain Region

1. Prepare Metric Values

REMOTE = Remoteness Score
TSHADING = arcsine(square root(percent shading/100))
RESEPISUB = epibenthic substrate score - (3.5233+2.5821(Log(Watershed Area in acres))
RESINSTRHAB = instream habitat score - (0.5505 + 4.2475(Log(Watershed Area in acres))
RESWOOD = total number of instream woody debris and rootwads - (-12.24+8.8120(Log(Watershed Area in acres))
TBANKSTAB = square root of the final value calculated
BANKSTAB = if bank stability on 0-20 score = 0-20 score
BANKSTAB = if erosion extent is used = [((erosion extent)/-15) x severity] for each bank + 20
N.B. severity is altered so that original severity 0 = 0, 1 = 1, 2 = 1.5, and 3 = 2.0

2. Scale Metric Values from 0 to 100

REMOTE = (value)/(18.570)
TSHADING = (value - 0.226)/(1.120)
RESEPISUB = (value + 13.199)/(17.213)
RESINSTRHAB = (value + 15.094)/(18.023)
RESWOOD = (value + 28.903)/(33.803)
TBANKSTAB = (value)/(4.472)

3. Final Score

Coastal Plain PHI = (sum of metric scores)/6

Piedmont Region

1. Prepare Metric Values

EMBEDDED = percent embeddedness
REMOTE = Remoteness Score
RESTSHADING = arcsine(square root(percent shading/100)) - (1.7528 - 0.1990(Log(Watershed Area in acres))
EPISUB = epibenthic substrate score
RESINSTRHAB = instream habitat score - (9.9876 + 1.5476(Log(Watershed Area in acres))
WOOD = total number of instream woody debris and rootwads
TBANKSTAB = square root of the final value calculated
BANKSTAB = if bank stability on 0-20 score = 0-20 score
BANKSTAB = if erosion extent is used = [((erosion extent)/-15) x severity] for each bank + 20
N.B. severity is altered so that original severity 0 = 0, 1 = 1, 2 = 1.5, and 3 = 2.0
RESRIFFQUAL = riffle quality score - (5.8467 + 2.4075(Log(Watershed Area in acres))

2. Scale Metric Values

EMBEDDED = (100 - value)/(90)
REMOTE = (value)/(16)
RESTSHADING = (value + 1.142)/(1.405)
EPISUB = (value - 1)/(17)
RESINSTRHAB = (value + 12.805)/(15.745)
WOOD = (value)/(12)
TBANKSTAB = (value - 1)/(3.243)
RESRIFFQUAL = (value + 16.252)/(19.637)

3. Final Score

Piedmont PHI = (sum of metric scores)/8

Highlands Region

1. Prepare Metric Values

REMOTE = Remoteness Score
RIPWID = riparian width (m) up to 50m
TSHADING = arcsine(square root(percent shading/100))
EPISUB = epibenthic substrate score
TBANKSTAB = square root of the final value calculated
BANKSTAB = if bank stability on 0-20 score = 0-20 score
BANKSTAB = if erosion extent is used = [((erosion extent)/-15)x severity] for each bank + 20
N.B. severity is altered so that original severity 0 = 0, 1 = 1, 2 = 1.5, and 3 = 2.0

2. Scale Metric Values

REMOTE = (value)/(20)
RIPWID = (value)/(50)
TSHADING = (value - 0.226)/(1.171)
EPISUB = (value)/(18)
TBANKSTAB = (value - 1)/(3.472)

3. Final Score

Highlands PHI = (sum of metric scores)/5