NAVAL POSTGRADUATE SCHOOL Monterey, California



Quality of Work Life 1992 Survey

Susan Page Hocevar

February 1993

Approved for public release; distribution is unlimited.

Prepared for: Human Resources Office

Naval Air Warfare Center

Aircraft Division Indianapolis, IN

Farini. D 202-111/2, 1182-11-02-JEDFF

DUDLEY KITCK LAST PORCUL
MONTEREY OR THE SHOUL

NAVAL POSTGRADUATE SCHOOL Monterey, CA

RADM T.A. Mercer Superintendent Harrison Shull Provost

The report was prepared for and funded by the Human Resources Office of the Naval Air Warfare Center, Aircraft Division, Indianapolis.

Reproduction of all or part of this report is authorized.

This report was prepared by:

REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for ininformation Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Artington, VA 22202-4302, and to the Office of Management Budget. Paper Reduction Project (0704-0188), Washington, DC 20503

AGENCY USE ONLY (Leave Blank)	GENCY USE ONLY (Leave Blank) 2. REPORT DATE February 1993 3. REPORT TYPE AND DATES COVERED Project Report, February 1993			
4. TITLE AND SUBTITLE		5.	FUNDING NUMBERS	
Quality of Work Life, 1992	Survey			
6. AUTHOR(S)		N	10016393WX30033	
Susan Page Hocevar				
7. PERFORMING ORGANIZATION N	AMES(S) AND ADDRESS(ES)	8.	PERFORMING ORGANIZATION	
Department of Systems Ma Naval Postgraduate Schoo 555 Dyer Rd. Monterey, CA 93943	-		NPS-AS-93-030PR	
9. SPONSORING /MONITORING AGE	NCY NAME(S) AND ADDRESS(ES)	10	. SPONSORING/MONITORING	
Department of Systems Ma	anagement	AC	GENCY REPORT NUMBER	
Naval Postgraduate Schoo				
555 Dyer Rd.				
Monterey, CA 93943				
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION / AVAILABILITY	STATEMENT	12	b. DISTRIBUTION CODE	
Approved for public release	e; distribution unlimited.			
13. ABSTRACT (Maximum 200 words)				
Center, Aircraft Division, In job satisfaction; opportuniti and equity; and organization	esults of the 1992 survey of Quindianapolis. This survey assessies for training; management subnal values. Current results are The main issues presented in	ses employee (N=402) attitude pport for cooperation, teamwo compared with ratings on cor	es regarding such issues as ork, and innovation; rewards nparable items from the	
14. SUBJECT TERMS			15. NUMBER OF PAGES	
Attitude survey. Manageme	ent, Job satisfaction, Morale,		48	
Organizational values	, 102 52.5.25.00.1, 710.410,		16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT	
Unclassified	Unclassified	Unclassified	Unlimited	

QUALITY OF WORK LIFE 1992 SURVEY

Susan Page Hocevar

Department of Administrative Sciences

Naval Postgraduate School

February 7, 1993

This report was prepared for the Human Resource Office of the Naval Air Warfare Center, Aircraft Division, Indianapolis.



Abstract

This report describes the results of the 1992 survey of Quality of Work Life conducted at the Naval Air Warfare Center, Aircraft Division, Indianapolis. This survey assesses employee (N=402) attitudes regarding such issues as job satisfaction; opportunities for training; management support for cooperation, teamwork, and innovation; rewards and equity; and organizational values. Current results are compared with ratings on comparable items from the survey conducted in 1991. The main issues presented in qualitative comments are also identified.



QUALITY OF WORK LIFE 1992 SURVEY

Background

The Quality of Work Life survey has been administered by the Human Resource Office of the Naval Air Warfare Center, Aircraft Division, Indianapolis since 1988. The purpose of this survey is to assess employee attitudes regarding quality of work life issues including job satisfaction, training, and organizational climate (open communication, participation, cooperation, trust) as well as specific programmatic issues such as parking, smoking, and work schedules. This report describes the results of the most recent administration of the QWL survey conducted in November, 1992. The results from 1992 are compared with those from 1991 to assess changes in employees' attitudes regarding quality of work life issues. In addition, the 1992 survey includes a number of questions that examine employees' attitudes regarding the new structure and new roles resulting from the reorganization of the Center.

Questionnaire

The survey is comprised of 58 fixed response questions, and 3 open-ended questions. A copy of the survey can be found in Appendix A. There are 10 questions that gather demographic data from respondents (e.g., age, grade level, education). Thirty-four questions address quality of work life issues, the majority of which are replications of items used on prior QWL surveys administered at the Center. However, some new items regarding teams and innovation were added to reflect issues identified as

important from the Culture Gap study. All of these questions follow a standard 5-category response format:

- 22. In general, I am satisfied with my job.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

The response categories were modified in some cases to fit the wording of the question but in all cases (1) represents a low or negative rating and (5) represents a high or positive rating of the focal issue.

Regarding information about the restructuring of the Center, there were 8 questions that asked employees to rate their awareness of Management Team and Associate role responsibilities, and their awareness and support of the Customer Support Team (CST) concept. In addition, question #29 asked about the amount of information employees wanted regarding: strategic purpose of restructuring; reporting relationships; training opportunities; career opportunities; clarification of job responsibilities; and coordination mechanisms with other related work groups.

The survey questions were analyzed to determine scales

(i.e., groups of items that reliably reflect an internally

consistent theme) to be used for reporting purposes and to aid in

comparisons with future data. The new Key Result Areas are labelled as follows:

Job Satisfaction
Training
Equity and Rewards
Teams and Cooperation
Factors Impacting ability to do my job
Organizational Support for Doing Things Differently
Organizational Values and Trust

Finally there were three open-ended questions included in the survey. These questions allow employees to openly express concerns or explain their viewpoint in narrative form. Question #28 asked respondents to rate the impact of restructuring on their performance capabilities and the open-ended section asked them to specifically explain the perceived problems (if the impact on productivity was rated negative) and the perceived opportunities (if the impact on productivity was rated positive). The last two questions on the survey asked employees to describe their 3 main concerns regarding quality of work life and an opportunity for open comment on the working environment.

Sample

The QWL survey was distributed to a randomly selected sample of 700 Center employees. A total of 402 surveys were return for

Maintaining the eight "Key Result Areas" (KRAs) used in prior surveys was not deemed possible both because of the substantial changes made in the current survey and the determination that some of the KRAs had low internal consistency reliabilities. The determination of new scale categories was made on the basis of factor analysis results and reliability analyses. Cronbach alpha reliability coefficients, indicating internal consistency, are reported with the results for all scales. This statistic can range from zero to one with .70 generally viewed as an "acceptable" level of reliability.

a response rate of 57%. Of this total sample, 9.5% are members of a Competency Center Management Team, 25% are female, 85% are Caucasian, 8% have a physical handicap, and the average age is approximately 40. In terms of education, 26% attended college; an additional 28% have a college degree; and 27% have some graduate coursework. Other relevant demographics are presented in Table 1.

Results

The frequency distributions for responses to all questions on the survey can be found in Appendix A.

Awareness and Information Needed Regarding Restructuring

A number of questions were developed for the 1992 QWL survey to assess employee's awareness of new roles and identify their information needs. To the very basic question,

"16. I know who my Management Team members are"

there were 79 employees (20%) who responded "no." A related set of questions asked employees to rate their awareness of the 5

Competency Center Management Team roles as well as that of Project Leader on a scale where (1)=fully aware to (4)=not at all aware. The mean ratings for each role is given below with the roles best understood listed first:

Survey Item	Role	Mean Rating
53.	Project Leader	2.24
52.	Master Scheduler Associate	2.25
54.	Competency Center Director	2.26
50.	People Development Associate	2.41
51.	Process Improvement Associate	2.66

These means indicate that, on average, employees are not as informed as they would like to be regarding the roles and responsibilities of the Competency Center Management Team members

Table 1 Sample Demographics

1.	What	type of work do you do?	Percentage ²
	(2) (3) (4)	Administrative Clerical/Secretarial & Assistant Engineer/Scientist Technical Wage Grade	10% 7% 39% 17% 20%
2.	What	is your grade level?	
	(2) (3) (4)	GS-1 to 5 GS-6 to 12 GS-13 to 15 WG-6 to 11 WG-12 and above	5% 63% 11% 15% 2%
8.	Total	experience at NAWC Indianapolis?	
	(1)	1-3 years	10%
		3-5 years	12%
		5-10 years	34%
		10-20 years	27%
		20-30 years	14%
	(6)	More than 30 years	48

² Percentages for each question may not total 100% due to missing data.

and the project leader. They are most informed about the PL, MSA, and CCD and least informed about the PIA³.

As can be seen from the frequencies presented in Appendix A, the number choosing the response category (4)=not at all aware ranges from 57 (for the PDA) to 91 (for the PIA). These frequencies confirm that approximately 20% of those surveyed do not know the individuals on their management team (or their Project Leader) and have no understanding as to their roles.

The third set of questions that provides data on information needs is item 29 which asked employees to rate 6 different types of information according to how much information they felt they wanted or needed to effectively perform their job. The results for this item are presented in Table 2. The overall finding shows a substantial majority of employees reporting that they would either like or need more information in all but one area.

The area in which the largest number of employees (50%) say they need no further information is regarding "strategic purpose of restructuring." However, there are still 50% who either would like further information (39%) or feel they need this information to do their job (11%). "Reporting relationships," "training opportunities," and "career opportunities" are identified as the areas where the largest percentage of employees would like information (response category (2)). While this information is important to individuals, it is less frequently rated as critical to job performance. The two areas with the highest frequency of information needed in order to do the job (category (3)) were

The differences between the mean ratings for the PL, MSA, CCD (as a group) and the rating for PDA, and PIA are all significantly different from each other [2.87<\(\text{t}<6.80\), \(\text{p}<.005\)].

Table 2
Ratings of Information Needed

Item	% in each (1)	response (2)	category ⁴ (3)
Strategic purpose of restructuring to organizational mission	50%	39%	11%
Reporting relationships	33%	49%	18%
Training opportunities	25%	48%	27%
Career opportunities	19%	57%	24%
Clarification of job			
responsibilities	36%	31%	33%
Coordination mechanisms with other related work groups	24%	42%	34%

⁴ The 3 response choices were:

⁽¹⁾⁼I need no further information about this

^{(2) =} I would like more information

⁽³⁾⁼I need more information to do my job

"clarification of job responsibilities" (33%) and "coordination mechanisms with other related work groups" (34%).

Quality of Work Life Attitudes

As described above, the revised QWL survey items concerning quality of work life issues have been grouped into 6 Key Result Areas (KRAs). Each of these will be discussed in turn. The KRAs are comprised of items that can be compared with prior survey results well as items unique to 1992. The data presented in Table 3 show the mean rating for all items for 1992 and where appropriate comparisons are given with the 1991 results. In the following tables, an asterisk (*) is used to indicate that mean ratings for 1991 and 1992 are significantly different. 5 Frequencies for all survey items can be found in Appendix A.

Job Satisfaction. The four items comprising the KRA of Job Satisfaction have means equal or greater than the midpoint rating of 3.0 on the 1992 survey indicating, overall, positive job satisfaction. The highest ratings are for the meaningfulness of the job--both to NAWC and to the individual employee (3.99 and 3.87, respectively). These items (#24 and #36) represent among the highest attitude ratings in the 1992 survey. The frequencies in Appendix A show greater than 70% of employees agreed with these two questions with more than 35% in the strongly agree category. These two questions show no change as compared with 1991 ratings.

The lowest rating of job satisfaction concerns feelings about "my career at NAWC" (mean = 3.0). This item also shows the

 $^{^{5}}$ An independent groups t-test statistical comparison was used with all significant results \underline{p} < .01.

largest decrease in comparison with 1991 (mean = 3.49). A factor contributing to these results could be increasing uncertainty about the future of the Center. As described below, one of the most frequently mentioned concerns in the open-ended comment section was job security in the face of downsizing or possible closure of the Center. The question regarding general satisfaction with one's job while still reflecting a positive rating, shows a statistically significant decrease since 1991 (from 3.64 to 3.36).

Equity and Rewards. This KRA is comprised of 5 items. Two items address issues of fairness in both the merit system and work assignments. And 3 items evaluate the extent to which employees perceive positive contributions, cooperation, and support of other groups as recognized and rewarded. All 5 items have ratings less than 3.0 showing negative ratings. While there is not much variation among the 5 means, the lowest ratings regard fairness in both the merit system (2.52) and the distribution of work assignments (2.56) and the highest rating is for the perception of valuation and reward for support and cooperation with other work groups (2.79 and 2.83, respectively).

Of the two items where comparison with 1991 was possible, only one significant difference was found. The item "NAWC recognizes employee effort and acknowledges positive employee contributions" declined from a mean rating of 2.92 in 1991 to 2.64 in 1992.

Table 3
Mean Ratings for Quality of Work Life Attitudes

	1992	1991
Job Satisfaction (alpha=.81)7		
36. My job is meaningful to NAWC	3.99	4.08
24. The work I do is meaningful to me	3.87	4.02
22. In general, I am satisfied with my job	3.36	3.64*
26. I feel about my career at NAWC (1=very negative; 5=very positive)	3.00	3.49*
Equity and Rewards (alpha=.76)		
27. When employees are promoted through the merit system, the process is handled fairly	2.52	2.61
14. NAWC recognizes employee effort and acknowledges positive employee contributions	2.64	2.97*
43. At NAWC, cooperation with other work groups is valued and rewarded	2.83	
44. At NAWC, supporting the work of other groups is valued and rewarded.	2.79	
58. At NAWC work is divided and assigned fairly	2.57	
Training (alpha=.60)		
11. How has your formal school-type training influenced your knowledge, skills and abilities?	4.14	4.16
12. I feel that my informal ojt has been (1=very poor; 5=very good)	3.46	3.58
49. My training experiences at NAWC have developed my skills and encouraged my personal		
growth and enrichment	3.44	3.55

 $^{^6}$ All means are based on a scale from (1)=low or negative to (5)=high or positive ratings on the given attribute. An asterisk (*) indicates a statistically significant difference between the 1991 and 1992 means using a t-test comparison and p < .01.

⁷ Alpha represents the internal consistency reliability.

Table 3 (cont'd) Mean Ratings for Quality of Work Life Attitudes

	1992	1991
Teams and Cooperation (alpha=.76)		
21. My working environment [cultures & values]		
fosters cooperation and teamwork	3.14	3.18
15. NAWC encourages employees to freely		
interact to accomplish common pursuits	3.04	2.96
20 The NAME on the second of the lates		
38. The NAWC environment stimulates		
communication and cooperation across	2 61	2 55
organizational units	2.61	2.55
23. NAWC's restructuring fosters teamwork	3.02	
Factors Impacting Ability to Do My Job (alpha=.74)		
46. I have had explained to me NAWC's		
mission and short-range goals	3.44	3.58
47. I have had explained to me the objectives		
and responsibilities for my job	3.22	3.82*
and responsibilities for my job	3.22	3.84
25. Do you feel informed of important issues		
that affect your job (1=no; 5=yes)	2.96	3.22*
13. In doing the daily work required of me,		
the current work environment makes my job		
(1=much harder; 5=much easier)	2.48	2.68*
(1-much harder, 3-much easier)	4.40	2.00
28. To what extent has the restructuring		
impacted your performance (1=much less		
productive; 5=much more productive)	2.70	
31. Since the restructuring, my roles &		
responsibilities are clearly defined	2.44	
32. I understand the CST concept	3.03	
34. I personally support the CST philosophy	3.60	
Ja. a personally support the Car philosophy	3.00	

Table 3 (cont'd) Mean Ratings for Quality of Work Life Attitudes

Organizational Support for Doing Things Differently (alpha=.75)	1992	<u>1991</u>
20. My working environment fosters innovation and creativity	2.84	3.03*
42. At NAWC I am encouraged to help others complete their tasks	3.48	
39. My working environment encourages me to share information to help other groups	3.28	
41. My working environment encourages me to try new ways of doing things	3.30	
Organizational Values and Trust (alpha=.77)		
55. NAWC fosters an environment in which employees are encouraged to make meaningful decisions	2.86	3.02*
48. I am encouraged to participate in the plan- ning and policy making activities here at NAWC	2.30	2.64*
35. NAWC's environment exhibits a high degree of ethics & moral values	2.84	3.12*
37. Management endeavors to be truthful and open to all employees	2.67	2.63
17. My management team ^e is concerned about the physical & emotional well-being of me & my family	2.46	3.27*
33. I believe NAWC Management is committed to the CST concept	3.15	

⁸ In prior versions of the QWL survey, this question referred to "supervisor" vice "management team."

Training. There are three items that ask employees to evaluate aspects of training opportunities at the Center. The results show no difference between 1991 and 1992 item means. All 3 1992 means show a positive attitude with the rating of the impact of "formal school-type training at NAWC...[on] knowledge, skills and abilities" being the highest (4.14).

Teams and Cooperation. This KRA is comprised of 4 questions that evaluate the employees ratings of NAWC's support for cooperation and teamwork. Three of the items have mean ratings at or slightly above the "neutral" midpoint (3.0). The lowest mean rating (2.61) is found for the item "The NAWC environment stimulates communication and cooperation across organizational units." These results show no significant change in comparison with 1991 for the three comparable items. However, if teamwork and cooperation are goals of the Center, the substantial percentage of "neutral" and "disagree" ratings merits further exploration to determine the source of these employee perceptions. One possible explanation for the percentage not agreeing with these items can be found in the results described in the Equity and Rewards KRA described above. Items there show that approximately 40% of respondents feel that the Center does

^{&#}x27;While the internal consistency reliability (alpha) of the scale as a whole is low (.60) due to the limited number of items, it is still possible to examine the individual means. For the purposes of comparison with future administrations of the QWL survey, it is recommended that 1-2 additional items relating to training be added to the survey.

In prior surveys, this item referred to "departments" vice "organizational units."

not value and reward cooperation and support for other work groups (see frequencies in Appendix A, items #43 and #44).

Factors Impacting Ability to Do My Job. The items in this KRA rate the extent to which employees feel informed about factors that influence their ability to do their jobs (e.g., job responsibilities, organizational goals), the impact of the work environment and restructuring on performance, and personal understanding and support for Customer Support Teams. Because half of these items refer to items related to restructuring, only limited comparisons with 1991 are possible.

Among the items in this KRA, the highest rating is for how well-informed employees feel regarding "NAWC's mission and short-range goals" (3.44) which is not significantly different from the rating of this item in 1991. However, there is a small, but significant decline in ratings of being "informed of important issues that affect your job" (from 3.22 in 1991 to 2.96 in 1992).

A more substantial decline from 1991 to 1992 is found regarding how well informed employees feel regarding "the objectives and responsibilities for my job." The mean rating, while still positive (i.e., above the neutral point), dropped from 3.83 to 3.22. This decline could be the result of the recent restructuring of the Center. This conclusion is supported by the rating of 2.44 in response to the question "Since the restructuring, my roles and responsibilities are clearly defined." What is not clear is the difference between the 1992 ratings of the two items specifically focussing on clarity of job responsibilities. The item (#31) that specifically refers to "restructuring" is significantly lower than the parallel item (#47). One possible explanation is that

there are generally negative feelings of uncertainty regarding the restructuring of the Center and this contributed to the low rating on item #31.

The final item that can be compared with 1991 results is "In doing the daily work required of the, the current work environment makes my job (1=much harder; 5=much easier)." Again, there is a decrease since 1991 (from 2.68 to 2.48). This shows that employees felt in 1991 that the "work environment" had a more negative than positive impact on their jobs, and this negative influence has increased slightly.

There are two items unique to 1992 that target Customer Support Teams. The mean rating for employees' personal support of the CST philosophy is the highest in this KRA, and among the highest for the entire survey (3.60). It is interesting to note, however, that the rating for "understanding the CST concept" is 3.03 suggesting that there are many employees who, while they support the concept, do not feel they thoroughly understand it.

Organizational Support for Doing Things Differently. Three of the four items in this KRA were all newly developed for the 1992 survey. These questions all have mean ratings above the neutral midpoint (means range from 3.28 to 3.48). This indicates that a majority of employees feel that NAWC encourages them "to help others complete tasks," "to share information to help other groups," and "to try new ways of doing things." It is important to note, however, that most of the positive responses are in the "slightly agree" rather than the "strongly agree" category. The item rating the work environment's support for innovation and creativity is below the midpoint (2.84) and also shows a small but statistically significant decrease since 1991.

Organizational Values and Trust. The most substantial change when comparing 1991 with 1992 results is for item #17: "My management team is concerned about the physical and emotional well-being of me and my family." The mean rating has decreased from 3.27 to 2.46. In surveys prior to 1992, this question focused on "my supervisor" vice "my management team." The results here suggest that employees feel a substantial loss in feelings of personal security and concern for well-being at this stage of the reorganization. Direct supervisor roles have, for the most part, been removed, and at the time of this survey, the emotional support provided by this role has not been fully replaced by the Competency Center Management Team. An important area for further inquiry is whether the new organizational structure can best provide this kind of support through the Competency Centers, CSTs, project teams, or some combination of these groups.

The only item in this KRA with a positive mean (3.15) is "I believe NAWC management is committed to the CST concept." While the rating is positive, more than 20% disagree and more than 40% have no opinion. The lowest rating (2.30) is given to item #48: "I am encouraged to participate in the planning and policy making activities here at NAWC." This item also received a somewhat negative rating in 1991, but the rating has decreased. A related item (#55) concerning encouragement of employees "to make meaningful decisions" also shows a decrease in 1992 as compared with 1991. While the mean rating for this item is below the midpoint (mean=2.86), employees perceive more organizational support for employee involvement in meaningful decisions than planning and policy making.

The last two items in this KRA rate employees' perceptions of management truthfulness and ethical and moral values exhibited at the Center. The rating for #37 "Management endeavors to be truthful and open to all employees" shows a somewhat negative evaluation (mean=2.67); however this represents no change in comparison with 1991. The rating for item #35 "NAWC's environment exhibits a high degree of ethics and moral values is less negative (mean=2.84) but shows a decrease since 1991.

Effectiveness Indicators

Two items on the survey represent employee perceptions of center effectiveness as defined in terms of "attention to customer needs" (item #19) and "efficiency of work" (item #18). In both cases, the mean ratings are below the midpoint category of "average." The mean rating for attention to customer needs is 2.88 and shows no difference in comparison with the 1991 rating. The frequencies (see Appendix A) show that 34% of respondents rate attention to customer needs as "not very good; attention to customers varies." The mean rating for efficiency of work is 2.30 which shows a small but significant decrease in comparison with the 1991 rating. For this item, 48% rate efficiency as "not very good, efficiency varies" and 18% rate efficiency as very poor.

Special Programs

Four questions on the QWL survey for 1992 focused on specific programs not included in the KRAs above. Only one item allowed comparison with 1991 results. Employee perceptions regarding the provision of "sufficient facilities and resources to support my health and wellness" has declined from a mean of 3.24 in 1991 to 2.96 in 1992. The remaining three items show

neutral to positive ratings. Item #56 asked employees whether "Panel interviews are an improvement over one-on-one interviews in the Merit Promotion process" and received a mean rating of 3.09. More positive support is given for perceptions of fair treatment of minorities under the new merit promotion process (mean=3.35) and the improvement of the quality of work life given the smoking policy (mean=3.53).

Qualitative Comments

The OWL survey has historically provided the option for respondents to provide narrative comments regarding quality of work life issues. This opportunity was again provided in the 1992 survey. In addition, more focused question regarding the impact of the restructuring on performance was also included. The rate of response for qualitative comments on this survey greatly surpassed input typically received. The last page of the survey asked two questions: "In priority, what are the three (3) main quality of work life concerns at NAWC Indianapolis?" and "Please comment on any other aspects of the working environment at NAWC Indianapolis." A total of 263 respondents gave from one to three comments in response to the first question. This represents input from 65% of those completing the survey and the number of comments exceeded 700. The second question generated responses from 157 (39%) of the respondents and more than 150 additional comments.

The extensiveness of these data make an accurate summary difficult. Highlights of these data are presented here. A complete transcription of these comments is available from Paul O'Dell in the Human Resource Office.

OWL Concerns. The most substantial number of concerns related to four primary areas: job security and the future of NAWC, Indianapolis; lack of clarity regarding career opportunities and concerns about promotion fairness; communication and clarity of direction particularly regarding the restructuring; and concerns about leadership and management. Additional comments of notable frequency, but less dominant than those above related to workspace and equipment needs, the smoking policy, training opportunities, and management's support for teamwork and cooperation.

Impact of Restructuring on Performance. A new question was added to the 1992 survey that also provided employees an opportunity to elaborate on their choice in the fixed-response format. Specifically, question #28 asked "To what extent has the restructuring of NAWC Indianapolis impacted your performance capabilities?" As can be seen by the frequencies in Appendix A, 167 employees (42%) chose "much less" or "somewhat less" productive as their response. There were 78 employees (20%) who chose the either the response "somewhat more" or "much more" productive. The survey then asked for those who felt less productive to explain "why and what the problems are." Comments were received by 142 (85%) of the 167 possible. Similarly, those who felt more productive were asked to explain "why and what the opportunities are." In this case, comments were received by 50 (64%) of the 78 possible.

The general themes generated to explain how the restructuring has hurt performance include: lack of role clarity, excessive meetings, too much work as well as too little work, and problems with communication. The general themes

generated to explain how restructuring has benefited performance include: removal of barriers allowing greater coordination, opportunities for self-initiative and innovation, and self-management.

Summary

The results of the 1992 Quality of Work Life Survey reflect generally negative ratings by employees at the Center. Out of the 34 questions that addressed a variety of quality of work life attitudes, more than half had mean ratings that were below the neutral midpoint (3.0) or showed a significant decrease as compared with 1991. Of noteworthy exception are the ratings of agreement regarding: meaningfulness of my job, valuation of training, being informed regarding the Center's mission and goals, Center encouragement of helping others complete their tasks, and employee support for the CST concept. In each of these cases, the mean ratings were significantly above 3.0 and a majority of employees responding to the survey agreed with the statement. However, only one item (#11 impact of formal training on knowledge, skills, and abilities) exceeded a rating of 4.0.

The lowest overall ratings for 1992 or the items that showed the greatest decline as compared with 1991 related to: participation and planning and policy making; management team concern for employee well-being; clarity of employee job responsibilities; Center acknowledgement of employee contributions; fairness of work assignments; ethics and moral values at the Center; general satisfaction; and feelings about their career at NAWC.

It is not possible to definitively attribute the causal factors that are contributing to these results. The Center has

been reorganized and it is reasonable to assume that this explains employees' need for clarity about not only their own job responsibilities, but the roles of newly defined positions. The uncertainty expressed by both item ratings and open-ended comments is not surprising given the research on large scale organizational change. This research argues that the transition stage in changes of this magnitude naturally lead to feelings of loss, distress, and even anger. The changes inherent in the restructuring of the Center, though, are not the only possible explanation for these results. There is significant concern expressed in the open-ended comments regarding the threat from outside the organization in terms of downsizing and even possible closure.

The data here clearly suggest that there needs to be further examination by the Center into factors that are contributing to negative employee attitudes and their capabilities to effectively perform their jobs. The results suggest areas that can be targets for inquiry and can provide a basis for continuing evaluation of the Center's attempts to meet both internal and external customer needs.

APPENDIX A

1992 QUALITY OF WORK LIFE SURVEY

ITEM FREQUENCIES AND MEANS

SECTION I: % N 1. What type of work do you do? 9.9 39 (1) Administrative (GS-343/345/560/1102/1105/other) 26 6.6 (2) Clerical/Secretarial & Assistant (GS-303/344/561/1106/other) 158 40.1 (3) Engineer/Scientist 69 17.5 (4) Technical (GS-334i/346/other) (5) Wage Grade (WG, WL, WD, WN, WS) 81 20.6 5.3 21 (6) Other What is your grade level? 19 4.8 (1) GS-1 to 5 253 63.6 (2) GS-6 to 12 44 11.1 (3) GS-13 to 15 (4) SES 12 3 (5) WG-1 to 5 (6) WG-6 to 11 61 15.3 (7) WG 12 and above 6 1.5 3 .8 (8) Other Are you a member of a Management Team, i.e., People Development Associate (PDA), Process Improvement Associate (PIA), Master Scheduler (MSA), Competency Center Director (CCD)? 38 9.7 (1) Yes 352 90.3 (2) No 4. What is your present work schedule for the 9 hour period? 61 15.4 (1) 0600 to 1530 99 25.1 (2) 0630 to 1600 (3) 0700 to 1630 28.9 114 12.2 (4) 0730 to 1700 48 15 3.8 (5) 0800 to 1730 42 10.6 (6) Other 9 hour period 4.1 (7) I do not work on 5-4/9; I work an 8-hour per day shift 16 I am: 5. 298 75.3 (1) Male 24.7 98 (2) Female 6. May age is: 52 13.1 (1) 29 or less

33.9

29.1

19.3

4.5

135 116

77

18

(2) 30-39

(3) 40-49(4) 50-59

(5) 60 or older

7.	Highest	level	of	education	attained:
----	---------	-------	----	-----------	-----------

5	1.2	(1)	Attended high school
74	18.4	(2)	Graduate high school
105	26.1	(3)	Attended college
111	27.6	(4)	College degree (Bachelor's)
73	18.2	(5)	Some post-graduate courses
26	6.5	(6)	Master's degree
6	1.5	(7)	Post-Master's courses
2	.5	(8)	Doctoral degree

8. My total experience at NAWC Indianapolis is:

```
(1) Less than 1 year
38
         9.5
                  (2) Between 1-3 years
                  (3) Between 3-5 years
48
         11.9
138
         34.3
                  (4) Between 5-10 years
                  (5) Between 10-20 years
107
         26.6
         13.7
55
                  (6) Between 20-30 years
16
         4
                  (7) More than 30 years
```

9. My ethnic background is:

3	.8	(1)	American Indian or Alaskan Native
4	1	(2)	Asian or Pacific Islander
31	7.8	(3)	Black - Not of Hispanic Origin
3	.8	(4)	Hispanic
340	85.2	(5)	White - Not of Hispanic Origin
18	4.5	(6)	Other/Prefer not to respond

10. I have a physical handicap

30	7.6	(1)	Yes
363	92.4	(2)	No

SECTION II:

SECTION	J14 11.	
N	%	
	11.	How has your formal school-type training at NAWC Indianapolis influenced your knowledge, skills and abilities?
		mean = 4.143
6	1.5	(1) Very negatively - waste of time
9	2.3	(2) Slightly negatively
66	16.8	(3) No noticeable effect
153	39	(4) Slightly positively
158	40.3	(5) Very positively - good investments
	12	I feel that my informal on-the-job training has been:
	12.	mean=3.456
35	8.7	(1) Very poor
68	17	(2) Not very good (slightly negative reaction)
56	14	(3) No opinion/neutral response
163	40.6	(4) Pretty good (slightly positive reaction)
79	19.7	(5) Very good
	13.	In doing the daily work required of me, the current work environment makes
		my job: $mean = 2.484$
83	20.8	(1) Much harder to do
157	39.3	(2) Slightly harder to do
76	19.0	(3) Has no impact on the job I do
49	12.3	(4) Slightly easier to do
34	8.5	(5) Much easier to do
	14.	NAWC Indianapolis recognizes employee effort and acknowledges positive employee
		contributions. mean = 2.637
93	23.3	(1) Strongly disagree
117	29.3	(2) Slightly disagree
50	12.5	(3) No opinion (neutral)
120	30.1	(4) Slightly agree
19	4.8	(5) Strongly agree
	15.	NAWC Indianapolis encourages employees to freely interact to accomplish common
		pursuits.
En	12.5	mean=3.040
50 100	12.5 25.1	(1) Strongly disagree(2) Slightly disagree
82	20.6	(3) No opinion (neutral)
118	29.6	(4) Slightly agree
49	12.3	(5) Strongly agree
	16.	I know who may Management Team members are, i.e., People Development
		Associate (PDA), Process Improvement Associate (PIA), Master Scheduler Associate
		(MSA), Competency Center Director (CCD).
216	00	mean=1.200
316	80	(1) Yes
79	20	(2) No

N	%	
14		My Management Team, is concerned about the physical and emotional well-being of
		me and my family.
		mean=2.462
117	29.4	(1) Strongly disagree
73	18.3	(2) Slightly disagree
128	32.2	(3) No opinion (neutral)
67	16.8	(4) Slightly agree
13	3.3	(5) Strongly agree
		(1) 1111 -21, 12 1-1
	18.	I believe that the efficiency of work (accuracy, timeliness) here at NAWC
		Indianapolis is:
		mean=2.300
73	18.4	(1) Very poor
189	47.6	(2) Not very good; the efficiency varies
82	20.7	(3) "Average" (no opinion; neutral)
49	12.3	(4) Pretty good, with generally good efficiency
4	1.0	(5) Very good/excellent
	19.	I believe that NAWC Indianapolis' attention to customer
		needs is:
		mean=2.880
26	6.5	(1) Very poor
136	34.1	(2) Not very good; the attention to customers varies
108	27.1	(3) "Average" (no opinion; neutral)
118	29.6	(4) Pretty good, with generally good attention to customers
11	2.8	(5) Very good/excellent
	20.	My working environment fosters innovation and creativity.
		mean=2.845
77	19.3	(1) Strongly disagree
99	24.8	(2) Slightly disagree
64	16.0	(3) No opinion (neutral)
129	32.3	(4) Slightly agree
31	7.8	(5) Strongly agree
	21	Manual 1 and a second selection of the first of the second selection of the second sec
	21.	My working environment cultures and values foster cooperation and teamwork.
		mean=3.143
50	12.6	(1) Strongly disagree
91	2.9	(2) Slightly disagree
63	15.8	(3) No opinion (neutral)
140	35.2	(4) Slightly agree
54	13.6	(5) Strongly agree
54	15.0	(3) Strongly agree
	22.	In general, I am satisfied with my job,
		mean=3.363
47	11.8	(1) Strongly disagree
77	19.3	(2) Slightly disagree
39	9.8	(3) No opinion (neutral)
158	39.5	(4) Slightly agree
79	19.8	(5) Strongly agree

	%		
	22	NT 4	
	23.	NA	WC Indianapolis' restructuring fosters teamwork.
60	15.1	(1)	mean=3.018
82	20.6		Strongly disagree Slightly disagree
86	21.6		No opinion (neutral)
131	32.9		Slightly agree
39	9.8		Strongly agree
3)	7.0	(3)	Strongly agree
	24.	The	work I do is meaningful to me.
	2		mean = 3.873
30	7.5	(1)	Strongly disagree
34	8.5		Slightly disagree
48	12.0		No opinion (neutral)
134	33.4		Slightly agree
155	38.7	(5)	
	25.	Do	you feel informed of important issues that affect your job.
			mean = 2.958
75	18.7		No - I am rarely informed of important issues
115	28.7		Not really (slightly negative)
22	5.5		No opinion (neutral)
130	32.4	, ,	Yes, sometimes (slightly positive)
59	14.7	(5)	Yes - with few exceptions I am kept informed of important issues.
	26	T.C.,	1 NATIO
	20.	I fee	about my career at NAWC
		щи	•
			mean = 1 IHII
59	14.8	(1)	Very negative
59 106	14.8 26.6		Very negative
106	26.6	(2)	Very negative Slightly negative
		(2)	Very negative Slightly negative Neither positive or negative
106 63	26.6 15.8	(2) (3) (4)	Very negative Slightly negative
106 63 118	26.6 15.8 29.6	(2) (3) (4)	Very negative Slightly negative Neither positive or negative Slightly positive
106 63 118	26.6 15.8 29.6 13.3	(2) (3) (4) (5)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the
106 63 118	26.6 15.8 29.6 13.3	(2) (3) (4) (5)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the less is handled fairly.
106 63 118 53	26.6 15.8 29.6 13.3	(2) (3) (4) (5) Whe	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the less is handled fairly. mean=2.518
106 63 118 53	26.6 15.8 29.6 13.3 27.	(2) (3) (4) (5) Whe proo	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the less is handled fairly. mean=2.518 Strongly disagree
106 63 118 53	26.6 15.8 29.6 13.3 27.	(2) (3) (4) (5) Whe prod	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the less is handled fairly. mean=2.518 Strongly disagree Slightly disagree
106 63 118 53 98 90 130	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8	(2) (3) (4) (5) Whe prod	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. mean=2.518 Strongly disagree Slightly disagree No opinion (neutral)
106 63 118 53 98 90 130 61	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8 15.4	(2) (3) (4) (5) Whe proce (1) (2) (3) (4)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the less is handled fairly. mean=2.518 Strongly disagree Slightly disagree No opinion (neutral) Slightly agree
106 63 118 53 98 90 130	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8	(2) (3) (4) (5) Whe prod	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. mean=2.518 Strongly disagree Slightly disagree No opinion (neutral)
106 63 118 53 98 90 130 61	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8 15.4 4.3	(2) (3) (4) (5) When prod (1) (2) (3) (4) (5)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the less is handled fairly. mean=2.518 Strongly disagree Slightly disagree No opinion (neutral) Slightly agree Strongly agree
106 63 118 53 98 90 130 61	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8 15.4	(2) (3) (4) (5) Whe prod (1) (2) (3) (4) (5)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. mean=2.518 Strongly disagree Slightly disagree No opinion (neutral) Slightly agree Strongly agree what extent has the restructuring of NAWC Indianapolis impacted your performance
106 63 118 53 98 90 130 61	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8 15.4 4.3	(2) (3) (4) (5) Whe prod (1) (2) (3) (4) (5)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. mean=2.518 Strongly disagree Slightly disagree No opinion (neutral) Slightly agree Strongly agree what extent has the restructuring of NAWC Indianapolis impacted your performance shillities.
98 90 130 61	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8 15.4 4.3	(2) (3) (4) (5) Whe proce (1) (2) (3) (4) (5)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the less is handled fairly. mean=2.518 Strongly disagree Slightly disagree No opinion (neutral) Slightly agree Strongly agree what extent has the restructuring of NAWC Indianapolis impacted your performance shillities. mean=2.695
98 90 130 61 17	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8 15.4 4.3	(2) (3) (4) (5) Whe proce (1) (2) (3) (4) (5) To verse (1)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive en employees are promoted through the merit system at NAWC Indianapolis, the less is handled fairly. mean=2.518 Strongly disagree Slightly disagree No opinion (neutral) Slightly agree Strongly agree what extent has the restructuring of NAWC Indianapolis impacted your performance billities. mean=2.695 I feel I am much less productive
98 90 130 61 17	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8 15.4 4.3 28.	(2) (3) (4) (5) When procedured (1) (2) (3) (4) (5) To versus (1) (2)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the ess is handled fairly. In employees are promoted through the ess is handled fairly. In employe
98 90 130 61 17 42 125 165	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8 15.4 4.3 28.	(2) (3) (4) (5) When process (1) (2) (3) (4) (5) To versus (1) (2) (3) (3)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. mean = 2.518 Strongly disagree Slightly disagree No opinion (neutral) Slightly agree Strongly agree what extent has the restructuring of NAWC Indianapolis impacted your performance bilities. mean = 2.695 I feel I am much less productive I feel I am somewhat less productive It has no impact on my productivity
98 90 130 61 17	26.6 15.8 29.6 13.3 27. 24.7 22.7 32.8 15.4 4.3 28.	(2) (3) (4) (5) When procedured (1) (2) (3) (4) (5) To versus (1) (2)	Very negative Slightly negative Neither positive or negative Slightly positive Very positive In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the merit system at NAWC Indianapolis, the ess is handled fairly. In employees are promoted through the ess is handled fairly. In employees are promoted through the ess is handled fairly. In employe

64

16.1

Substantially increased

29. We recognize that the restructuring of NAWC Indianapolis may have created uncertainties in the organization. Using the scale below, rate each of the following ing terms of how much more information you would like or feel you need to effectively perform your job. Strategic purpose of restructuring to organizational mission mean = 1.605187 50.3 I need no further information about this 39.0 145 I would like more information 40 10.8 3. I need more information to do my job Reporting relationships mean = 1.854119 32.8 I need no further information about this 178 49.0 I would like more information 18.2 66 3. I need more information to do my job Training opportunities mean = 2.01196 25.7 I need no further information about this 178 47.6 2. I would like more information 100 26.7 I need more information to do my job Career opportunities mean = 2.04219.3 73 I need no further information about this 216 57.1 I would like more information 2. 89 23.5 3. I need more information to do my job Clarification of job responsibilities mean = 1.965135 36.3 I need no further information about this 30.9 115 I would like more information 122 32.8 I need more information to do my job Coordination mechanisms with other related work groups mean = 2.10387 23.6 I need no further information about this 157 42.5 I would like more information 125 33.9 I need more information to do my job 30. My workload has since NAWC Indianapolis' restructuring. mean = 3.10655 13.9 Substantially decreased (1) 60 15.1 Slightly decreased (2) 134 33.8 (3) Has not changed 21.2 Slightly increased 84 (4)

N	%		
	31.	Since the restructuring, my roles and responsibilities are clearly	
		defined.	
		mean=2.444	
98	24.6	(1) Strongly disagree	
118	29.6	(2) Slightly disagree	
111	27.8	(3) Not changed	
52	13.0	(4) Slightly agree	
20	5.0	(5) Strongly agree	
	32.	I understand the Customer Service Team (CST) concept.	
		mean=3.025	
67	16.9	(1) Strongly disagree	
81	20.5	(2) Slightly disagree	
81	20.5	(3) No opinion (neutral)	
109	27.5	(4) Slightly agree	
58	14.6	(5) Strongly agree	
	33.	I believe that NAWC Indianapolis' Management is committed to the	Customer
	55.	Service Team Concept (CST).	, Customer
		mean=3.145	
33	8.4	(1) Strongly disagree	
54	13.7	(2) Slightly disagree	
171	43.5	(3) No opinion (neutral)	
93	23.7	(4) Slightly agree	
42	10.7	(5) Strongly agree	
	34.	I personally support the Customer Service Team (CST)	
	J.4.	philosophy.	
		mean=3.602	
15	3.9	(1) Strongly disagree	
21	5.4	(2) Slightly disagree	
163	41.9	(3) No opinion (neutral)	
95	24.4	(4) Slightly agree	
95	24.4	(5) Strongly agree	
	35.	NAWC Indianapolis's environment exhibits a high degree of ethics	and moral
	55.	values.	and moral
		mean=2.836	
64	16.2	(1) Strongly disagree	
96	24.2	(2) Slightly disagree	
110	27.8	(3) No opinion (neutral)	
93	23.5	(4) Slightly agree	
33	8.3	(5) Strongly agree	
	36.	My job is meaningful to NAWC Indianapolis.	
	50.	mean=3.985	
19	4.8	(1) Strongly disagree	
28	7.1	(2) Slightly disagree	
49	12.4	(3) No opinion (neutral)	
143	36.2	(4) Slightly agree	
156	39.5	(5) Strongly agree	

62

81

157

71

15.7

20.5

39.7

18.0

(2)

Slightly disagree

(3) No opinion (neutral)

(4) Slightly agree

(5) Strongly agree

N	%		
	43.	NAWC Indianapolis, cooperation with other work groups is valued and rewarded.	
		mean=2.833	
47	11.9	(1) Strongly disagree	
105	26.5	(2) Slightly disagree	
131	33.1	(3) No opinion (neutral)	
93	23.5	(4) Slightly agree	
20	5.1	(5) Strongly agree	
		(6) -11128.3 48.00	
	44.	At NAWC Indianapolis, supporting the work of other groups is valued and rewarded.	
		mean = 2.790	
51	12.9	(1) Strongly disagree	
105	26.6	(2) Slightly disagree	
132	33.4	(3) No opinion (neutral)	
90	22.8	(4) Slightly agree	
17	4.3	(5) Strongly agree	
	45.	NAWC Indianapolis provides sufficient facilities and resources to support my hea	ılth
		and wellness.	
		mean=2.962	
69	17.5	(1) Strongly disagree	
93	23.5	(2) Slightly disagree	
69	17.5	(3) No opinion (neutral)	
112	28.4	(4) Slightly agree	
52	13.2	(5) Strongly agree	
	46.	I have had explained to me NAWC Indianapolis' mission and short-range	
		goals. $mean = 3.437$	
38	9.6	(1) Strongly disagree	
63	15.9	(2) Slightly disagree	
51	12.9	(3) No opinion (neutral)	
176	44.4	(4) Slightly agree	
68	17.2	(5) Strongly agree	
	47.	I have had explained to me the objectives and responsibilities for my job.	
		mean=3.217	
55	13.9	(1) Strongly disagree	
80	20.2	(2) Slightly disagree	
55	13.9	(3) No opinion (neutral)	
138	34.8	(4) Slightly agree	
69	17.4	(5) Strongly agree	

• •		
	48	I am encouraged to participate in the planning and policy-making activities here at
	40.	NAWC Indianapolis.
		•
146	36.0	mean=2.300
146	36.8	(1) Strongly disagree
103	25.9	(2) Slightly disagree
57	14.4	(3) No opinion (neutral)
65	16.4	(4) Slightly agree
26	6.5	(5) Strongly agree
	49.	My training experiences at NAWC Indianapolis have developed my skills and
		encouraged my personal growth and enrichment.
		mean=3.444
48	12.0	(1) Strongly disagree
56	14.0	(2) Slightly disagree
46	11.5	(3) No opinion (neutral)
169	42.4	(4) Slightly agree
80	20.1	(5) Strongly agree
00	20.1	(5) Strongly agree
	50	The second of th
	50.	I am aware of what my People Development Associate's (PDA's) roles and
		responsibilities are.
		mean=2.405
87	21.8	(1) Yes, I am fully aware
121	30.3	(2) Somewhat, but I would like more information
135	33.8	(3) I know who they are, but not how they impact my work or how to use them as a resource
57	14.3	(4) Not at all
	51.	I am aware of what my Process Improvement Associate's (PIA's) roles and
		responsibilities are.
		mean=2.658
58	14.5	(1) Yes, I am fully aware
112	28.0	(2) Somewhat, but I would like more information
139	34.8	(3) I know who they are, but not how they impact my work or how to use them as a resource
91	22.8	(4) Not at all
	52.	I am ware of what my Master Scheduler Associate's (MSA's) roles and
		responsibilities are.
		mean = 2.248
111	27.8	(1) Yes, I am fully aware
139	34.8	(2) Somewhat, but I would like more information
90	22.5	(3) I know who they are, but not how they impact my work or how to use them as a
70	22.0	resource
60	15.0	(4) Not at all
•••	13.0	(4) 140t at all
	52	I am aware of what my Project Leader's (PI 's), roles and
	33.	I am aware of what my Project Leader's (PL's), roles and
		responsibilities are.
122	24.2	mean = 2.240
133	34.3	(1) Yes, I am fully aware
117	30.2	(2) Somewhat, but I would like more information
50	12.9	(3) I know who they are, but not how they impact my work or how to use them as a resource
88	22.7	(4) Not at all

N

%

N %

54. I am aware of what my competency Center Director's (CCD's), roles and responsibilities are.

m	69	n	=	2	2	5	g
			_	4.	_		a

		mean=2.258
102	25.8	(1) Yes, I am fully aware
148	37.4	(2) Somewhat, but I would like more information
88	22.2	(3) I know who they are, but not how they impact my work or how to use them as a resource
28	14.6	(4) Not at all

SECTION III

N	%	
	55.	NAWC Indianapolis fosters an environment in which employees are encourages to make meaningful decisions.
		mean=2.861
56	14.1	(1) Strongly disagree
115	29.0	(2) Slightly disagree
75	1839	(3) No opinion (neutral)
130	32.7	(4) Slightly agree
21	5.3	(5) Strongly agree
	56.	Panel interviews are an improvement over on-on-one interviews in the Merit
		Promotion process.
		mean=3.093
40	10.0	(1) Strongly disagree
38	9.5	(2) Slightly disagree
206	51.6	(3) No opinion (neutral)
75	18.8	(4) Slightly agree
40	10.0	(5) Strongly agree
	57.	Minority groups (Hispanic, Asian Pacific, American Indian, Handicapped, Female, and Black) at NAWC Indianapolis are treated fairly under the new Merit Promotion Program."
		mean=3.348
31	7.8	(1) Strongly disagree
26	6.5	(2) Slightly disagree
201	50.4	(3) No opinion (neutral)
55	13.8	(4) Slightly agree
86	21.6	(5) Strongly agree
	58.	At NAWC Indianapolis, work is divided and assigned fairly. mean=2.572
88	22.0	(1) Strongly disagree
107	26.8	(2) Slightly disagree
105	26.3	(3) No opinion (neutral)
88	22.0	(4) Slightly agree
12	3.0	(5) Strongly agree
	59.	The quality of work life at NAWC Indianapolis has improved since implementation of the smoking policy.
		mean=3.528
50	12.5	(1) Strongly disagree
36	9.0	(2) Slightly disagree
102	25.5	(3) No opinion (neutral)
77	19.3	(4) Slightly agree
135	33.8	(5) Strongly agree

SECTION II: 192 '91 4.157 4.143 11. How has your formal school-type training at NAWC Indianapolis influenced your knowledge, skills and abilities? (1) Very negatively - waste of time (2) Slightly negatively (3) No noticeable effect (4) Slightly positively (5) Very positively - good investments 3.456 3.581 12. I feel that my informal on-the-job training has been: (1) Very poor (2) Not very good (slightly negative reaction) (3) No opinion/neutral response (4) Pretty good (slightly positive reaction) (5) Very good 2.484 2.682 13. In doing the daily work required of me, the current work environment makes my job: (1) Much harder to do (2) Slightly harder to do (3) Has no impact on the job I do (4) Slightly easier to do (5) Much easier to do 2.637 2.970 14. NAWC Indianapolis recognizes employee effort and acknowledges positive employee contributions. (1) Strongly disagree (2) Slightly disagree (3) No opinion (neutral) (4) Slightly agree (5) Strongly agree 3.040 2.960 15. NAWC Indianapolis encourages employees to freely interact to accomplish common pursuits. (1) Strongly disagree (2) Slightly disagree (3) No opinion (neutral)

(4) Slightly agree(5) Strongly agree

1.200

- 16. I know who may Management Team members are, i.e., People Development Associate (PDA), Process Improvement Associate (PIA), Master Scheduler Associate (MSA), Competency Center Director (CCD).
 - (1) Yes
 - (2) No

2.462 3.272

- 17. My Management Team, is concerned about the physical and emotional well-being of me and my family.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

2.300 2.460

- 18. I believe that the efficiency of work (accuracy, timeliness) here at NAWC Indianapolis is:
 - (1) Very poor
 - (2) Not very good; the efficiency varies
 - (3) "Average" (no opinion; neutral)
 - (4) Pretty good, with generally good efficiency
 - (5) Very good/excellent

2.880 3.004

- 19. I believe that NAWC Indianapolis' attention to customer needs is:
 - (1) Very poor
 - (2) Not very good; the attention to customers varies
 - (3) "Average" (no opinion; neutral)
 - (4) Pretty good, with generally good attention to customers
 - (5) Very good/excellent

2.845 3.028

- 20. My working environment fosters innovation and creativity.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

'92	'91	
3.143	3.175	
	21.	My working environment cultures and values foster cooperation and teamwork.
		(1) Strongly disagree
		(2) Slightly disagree
		(3) No opinion (neutral)
		(4) Slightly agree
		(5) Strongly agree

3.363 3.644

- 22. In general, I am satisfied with my job,
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3.018

- 23. NAWC Indianapolis' restructuring fosters teamwork.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3.873 4.018

- 24. The work I do is meaningful to me.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

2.958 3.222

- 25. Do you feel informed of important issues that affect your job.
 - (1) No I am rarely informed of important issues
 - (2) Not really (slightly negative)
 - (3) No opinion (neutral)
 - (4) Yes, sometimes (slightly positive)
 - (5) Yes with few exceptions I am kept informed of important issues.

3.000	3.493	I feel
	20.	I feel about my career at NAWC Indianapolis.
		(1) Very negative
		(2) Slightly negative
		(3) Neither positive or negative
		(4) Slightly positive
		(5) Very positive
2.518	2.611	
	27.	When employees are promoted through the merit system at NAWC Indianapolis, the
		process is handled fairly.
		(1) Strongly disagree
		(2) Slightly disagree
		(3) No opinion (neutral)
		(4) Slightly agree
		(5) Strongly agree
2.695		
	28.	To what extent has the restructuring of NAWC Indianapolis impacted your
		performance capabilities.
		(1) I feel I am much less productive
		(2) I feel I am somewhat less productive
		(3) It has no impact on my productivity
		(4) I feel I am somewhat productive
		(5) I feel I am much more productive
	29.	We recognize that the restructuring of NAWC Indianapolis may have created
		uncertainties in the organization. Using the scale below, rate each of the following in
		terms of how much more information you would like or feel you need to effectively
		perform your job.
1.605		Strategic purpose of restructuring to organizational mission
		1. I need no further information about this
		2. I would like more information
		3. I need more information to do my job
1.854		Reporting relationships
		1. I need no further information about this
		2. I would like more information
		3. I need more information to do my job

'92	'91		
2.011		Training opportunities	
		1. I need no further information about this	
		2. I would like more information	
		3. I need more information to do my job	
2.042		Career opportunities	
2.042		Carcer opportunities	
		1. I need no further information about this	
		2. I would like more information	
		3. I need more information to do my job	
1.965		Clarification of job responsibilities	
		1. I need no further information about this	
		2. I would like more information	
		3. I need more information to do my job	
2.103		Coordination mechanisms with other related work groups	
		1. I need no further information about this	
		2. I would like more information	
		3. I need more information to do my job	
3.106	30	. My workload has since NAWC Indianapolis' restructuring	g.
		(1) Substantially decreased	
		(1) Substantially decreased	
		(1) Substantially decreased (2) Slightly decreased	
		(2) Slightly decreased	
		(2) Slightly decreased(3) Has not changed	
		(2) Slightly decreased(3) Has not changed	
2.444		(2) Slightly decreased(3) Has not changed(4) Slightly increased	
2.444	31	(2) Slightly decreased(3) Has not changed(4) Slightly increased	
2.444	31	 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased 	
2.444	31	 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased . Since the restructuring, my roles and responsibilities are clearly defined. 	
2.444	31	 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased Since the restructuring, my roles and responsibilities are clearly defined. (1) Strongly disagree 	
2.444	31	 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased Since the restructuring, my roles and responsibilities are clearly defined. (1) Strongly disagree (2) Slightly disagree 	
2.444	31	 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased . Since the restructuring, my roles and responsibilities are clearly defined. (1) Strongly disagree (2) Slightly disagree (3) Not changed 	
2.444 3.025	31	 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased Since the restructuring, my roles and responsibilities are clearly defined. (1) Strongly disagree (2) Slightly disagree (3) Not changed (4) Slightly agree 	
		 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased Since the restructuring, my roles and responsibilities are clearly defined. (1) Strongly disagree (2) Slightly disagree (3) Not changed (4) Slightly agree 	
		 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased . Since the restructuring, my roles and responsibilities are clearly defined. (1) Strongly disagree (2) Slightly disagree (3) Not changed (4) Slightly agree (5) Strongly agree 2. I understand the Customer Service Team (CST) concept. (1) Strongly disagree 	
		 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased . Since the restructuring, my roles and responsibilities are clearly defined. (1) Strongly disagree (2) Slightly disagree (3) Not changed (4) Slightly agree (5) Strongly agree 2. I understand the Customer Service Team (CST) concept. (1) Strongly disagree (2) Slightly disagree (3) Strongly disagree (4) Strongly disagree (5) Strongly disagree (6) Strongly disagree (7) Strongly disagree (8) Slightly disagree 	
		 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased (6) Substantially increased (7) Strongly disagree (8) Slightly disagree (9) Slightly disagree (1) Not changed (2) Slightly agree (3) Not changed (4) Slightly agree (5) Strongly agree (6) Strongly agree (7) Strongly disagree (8) Strongly disagree (9) Slightly disagree (1) Strongly disagree (2) Slightly disagree (3) No opinion (neutral) 	
		 (2) Slightly decreased (3) Has not changed (4) Slightly increased (5) Substantially increased . Since the restructuring, my roles and responsibilities are clearly defined. (1) Strongly disagree (2) Slightly disagree (3) Not changed (4) Slightly agree (5) Strongly agree 2. I understand the Customer Service Team (CST) concept. (1) Strongly disagree (2) Slightly disagree (3) Strongly disagree (4) Strongly disagree (5) Strongly disagree (6) Strongly disagree (7) Strongly disagree (8) Slightly disagree 	

3.145

- 33. I believe that NAWC Indianapolis' Management is committed to the Customer Service Team Concept (CST).
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3.602

- 34. I personally support the Customer Service Team (CST) philosophy.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

2.836 3.118

- 35. NAWC Indianapolis's environment exhibits a high degree of ethics and moral values.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3.985 4.077

- 36. My job is meaningful to NAWC Indianapolis.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

2.668 2.629

- 37. Management endeavors to be truthful and open to all employees.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

'92	'91	
2.607	2.552	
	38.	The NAWC Indianapolis environment stimulates communication and cooperation across organizational units.
		(1) Strongly disagree
		(2) Slightly disagree
		(3) No opinion (neutral)
		(4) Slightly agree
		(5) Strongly agree
3.275		
	39.	My working environment encourages me to share information to help other groups,
		(1) Strongly disagree
		(2) Slightly disagree
		(3) No opinion (neutral)
		(4) Slightly agree
		(5) Strongly agree
3.301		
	41.	My working environment encourages me to try new ways of doing things.
		(1) Strongly disagree
		(2) Slightly disagree
		(3) No opinion (neutral)
		(4) Slightly agree
		(5) Strongly agree
3.478		
	42.	At NAWC Indianapolis, I am encouraged to help others complete their tasks.
		(1) Strongly disagree
		(2) Slightly disagree
		(3) No opinion (neutral)
		(4) Slightly agree
		(5) Strongly agree
2.833		
	43.	NAWC Indianapolis, cooperation with other work groups is valued and rewarded.
		(1) Strongly disagree
		(2) Slightly disagree
		(3) No opinion (neutral)
		(4) Slightly agree
		(5) Strongly agree

ŧ	92	19	1
	74	7	J

2.790

- 44. At NAWC Indianapolis, supporting the work of other groups is valued and rewarded.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

2.962 3.238

- 45. NAWC Indianapolis provides sufficient facilities and resources to support my health and wellness.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3.437 3.577

- 46. I have had explained to me NAWC Indianapolis' mission and short-range goals.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3.217 3.817

- 47. I have had explained to me the objectives and responsibilities for my job.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

2.300 2.637

- 48. I am encouraged to participate in the planning and policy-making activities here at NAWC Indianapolis.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3,444 3,545

- 49. My training experiences at NAWC Indianapolis have developed my skills and encouraged my personal growth and enrichment.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

2,405

- 50. I am aware of what my People Development Associate's (PDA's) roles and responsibilities are.
 - (1) Yes, I am fully aware
 - (2) Somewhat, but I would like more information
 - (3) I know who they are, but not how they impact my work or how to use them as a resource
 - (4) Not at all

2.658

- 51. I am aware of what my Process Improvement Associate's (PIA's) roles and responsibilities are.
 - (1) Yes, I am fully aware
 - (2) Somewhat, but I would like more information
 - (3) I know who they are, but not how they impact my work or how to use them as a resource
 - (4) Not at all

2.248

- 52. I am ware of what my Master Scheduler Associate's (MSA's) roles and responsibilities are.
 - (1) Yes, I am fully aware
 - (2) Somewhat, but I would like more information
 - (3) I know who they are, but not how they impact my work or how to use them as a resource
 - (4) Not at all

2.240

- 53. I am aware of what my Project Leader's (PL's), roles and responsibilities are.
 - (1) Yes, I am fully aware
 - (2) Somewhat, but I would like more information
 - (3) I know who they are, but not how they impact my work or how to use them as a resource
 - (4) Not at all

2.258

- 54. I am aware of what my competency Center Director's (CCD's), roles and responsibilities are.
 - (1) Yes, I am fully aware
 - (2) Somewhat, but I would like more information
 - (3) I know who they are, but not how they impact my work or how to use them as a resource
 - (4) Not at all

SECTION III

2.861 3.016

- 55. NAWC Indianapolis fosters an environment in which employees are encourages to make meaningful decisions.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3.093

- 56. Panel interviews are an improvement over on-on-one interviews in the Merit Promotion process.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3.348

- 57. Minority groups (Hispanic, Asian Pacific, American Indian, Handicapped, Female, and Black) at NAWC Indianapolis are treated fairly under the new Merit Promotion Program."
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

2.572

- 58. At NAWC Indianapolis, work is divided and assigned fairly.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

3.528

- 59. The quality of work life at NAWC Indianapolis has improved since implementation of the smoking policy.
 - (1) Strongly disagree
 - (2) Slightly disagree
 - (3) No opinion (neutral)
 - (4) Slightly agree
 - (5) Strongly agree

Distribution List

Agency	No. of copies
Department of Systems Management Library Code AS Naval Postgraduate School 555 Dyer Rd. Monterey, CA 93943	2
Dr. Susan Page Hocevar, Code AS/Hc Department of Systems Management Naval Postgraduate School 555 Dyer Rd. Monterey, CA 93943	3
Dudley Knox Library, Code 0142 Naval Postgraduate School Monterey, CA 93943-5002	2
Library, Center for Naval Analyses 4401 Ford Ave. Alexandria, VA 22302-0268	1



