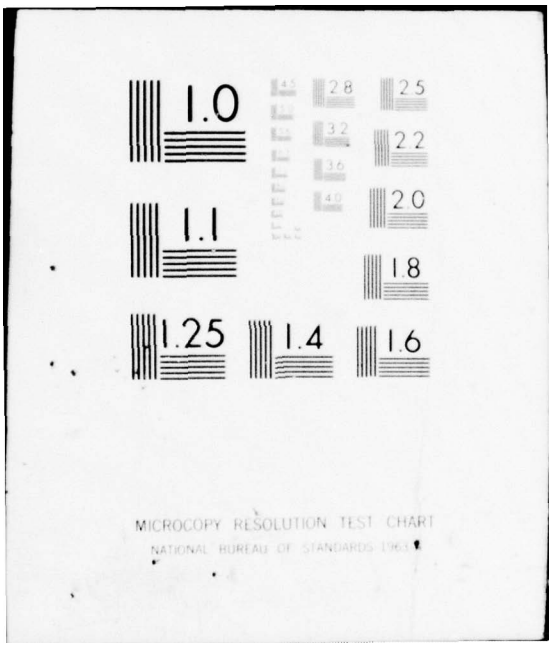
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DREDGED MATERIAL RESEARCH PROGRAM

CONTRACT REPORT D-77-1

DESIGN REQUIREMENTS FOR AN INFORMATION DISSEMINATION AND TECHNOLOGY TRANSFER SYSTEM FOR THE DREDGED MATERIAL RESEARCH PROGRAM

Volume II

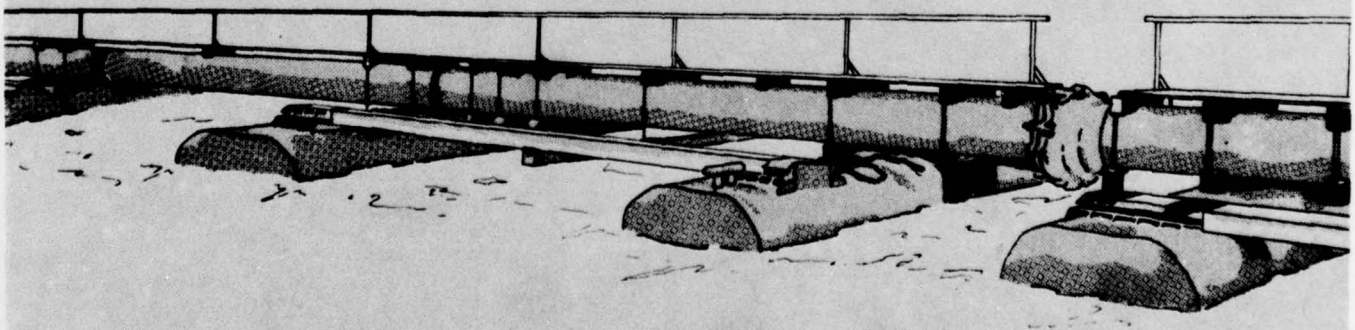
by

David M. Speaker, William H. Weisgerber

Teknekron, Inc.
4701 Sangamore Road
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February 1977
Final Report

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Prepared for Environmental Effects Laboratory
U. S. Army Engineer Waterways Experiment Station
P. O. Box 631, Vicksburg, Miss. 39180

Under Contract No. DACW 39-75-C-0022
(DMRP Work Unit No. 9A01)

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Volume I contains the main text and Appendix A.
Volume II contains Appendixes B through D.

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Corps District surveys
Dredged Material Research Program (DMRP)
Information dissemination
Technology transfer

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

Surveys of both District and non-Corps DMRP audiences were conducted in order to evaluate the effectiveness of current information dissemination by the Program. These surveys also provided the basis for defining the requirements of an integrated DMRP technology transfer system specifically adapted to the needs of the District audience. Awareness of the DMRP among District personnel under recall assist conditions is about 86%, but actual knowledge of the technical structure of the Program is far less common. Only a (Continued)

→ next page

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20. ABSTRACT (Continued)

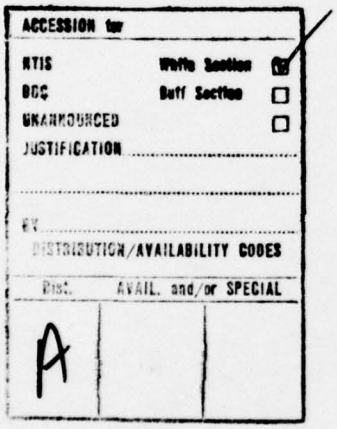
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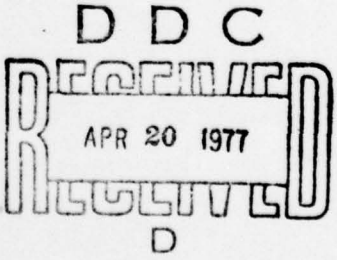
minority of the District personnel is inclined to optional job related reading, so that the DMRP reports are not optimal as information transfer media. Furthermore, the Program is perceived as generically oriented and the applicability of its outputs to specific projects is often not obvious. The study findings clearly indicate the need for a DMRP information transfer system which will: (a) facilitate the correlation of applicable Program-generated information to project requirements and (b) present this information in a systematic and topically organized format.

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APPENDIX B

TABULAR DATA FROM THREE SURVEYS

This appendix consists of three sets of tabular data which present results derived from the three surveys performed in this study.

Self-Administered Questionnaire Conducted at 12 Corps Districts

Data generated during this survey appears in Tables B-1 through B-45. These tables show the responses to the survey questions as totals for that segment of the survey sample which was assigned to dredging operations. (366 of 938 personnel). Self-administered questionnaire survey data for the entire sample are presented in Appendix C.

Personal Interview Survey of Corps Personnel at 6 Districts

Tables B-46 through B-93 show the more significant data resulting from this survey. These data are shown for the complete survey sample as totals as well as, where pertinent, by District distribution. Personal interview survey data that are not presented in Appendix B will be found in Appendix D.

Telephone Survey of Non-Corps Recipients of the DMRP Bulletin

Tables B-94 through B-122 contain all of the data generated during this survey.

Table B-1

Data Base for Identification

of

Respondents' Awareness of the DMRP

District	Total #	Replying to DMRP Subject Area (Q.9(a)) %	Read DMRP Bulletin (Q.11(a)) %	Total Aware Q. 9a & 11a %	DMRP Bulletin addressed mail lists 10/20/75 %
1	85 = 100%	9.4	2.4	10.6	9.4
2	126 = 100%	14.3	1.6	14.3	9.5
3	97 = 100%	9.2	2.1	9.3	9.3
4	107 = 100%	9.3	1.9	10.3	8.4
5	46 = 100%	8.7	-	8.7	15.2
6	79 = 100%	15.4	5.1	17.7	11.4
7	47 = 100%	10.6	12.8	17.0	17.0
8	83 = 100%	12.0	2.4	14.5	12.0
9	71 = 100%	18.3	-	18.3	14.1
10	42 = 100%	14.2	7.1	16.7	19.8
11	71 = 100%	11.2	7.0	12.7	19.7
12	84 = 100%	25.0	8.3	27.3	14.3

Table B-2

Distribution of DMRP Awareness by District
Among Dredging Assigned Personnel

District	Total Sample #	% Assigned to Dredging	% Dredging Assigned DMRP Aware	% Bulletin Distribution to Target Audience
1	85 = 100%	31.8	25.9	29.6
2	126 = 100%	35.7	35.6	26.6
3	97 = 100%	20.6	15.0	45.0
4	107 = 100%	28.0	16.6	30.0
5	46 = 100%	47.8	18.1	31.8
6	79 = 100%	34.1	37.0	25.9
7	47 = 100%	57.4	25.9	33.3
8	83 = 100%	28.9	33.3	41.6
9	71 = 100%	47.9	20.6	29.4
10	42 = 100%	30.9	53.8	61.5
11	71 = 100%	46.5	21.2	42.4
12	84 = 100%	40.4	41.1	35.3

Table B-3

PROJECT ASSIGNMENTS OF PERSONNEL INVOLVED IN DREDGING

Q. 1a To which of the listed "project areas and related activities" are you presently assigned?

b If you are assigned to more than one project area, indicate the approximate percent(%) of time you allocate to each in column b.

c Has your assignment to the project been for more or less than a six month period?

d Do you have an interest, whether or not job related, in any project area?

	Basin Planning			Bridge Construction			Clearing Waterways		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	334	95	239	334	95	239	334	94	239
Assigned	25.1%	12.6%	30.1%	22.8%	12.6%	26.8%	42.2%	41.5%	42.5%
Percent of Time									
1 - 20%	75.6	70.0	76.5	90.5	100.0	88.5	86.4	94.4	83.3
21 - 40%	15.4	20.0	14.7	8.5	-	9.8	11.4	5.6	13.5
41 - 60%	7.7	10.0	7.4	-	-	-	1.5	-	2.1
61 - 80%	1.3	-	1.5	1.4	-	1.6	-	-	-
81 - 100%	-	-	-	-	-	-	.8	-	1.0
Assigned Six Months									
Less than	22.9	18.2	23.7	27.1	21.4	28.6	21.1	2.9	21.9
More than	77.1	81.8	76.3	72.9	78.6	71.4	78.9	97.1	70.9
Has an Interest in Project Area	39.9	38.0	40.6	33.8	27.5	36.5	36.4	36.7	36.3

Table B-3 (continued)

Q. 1	Dam and Water Control			Dredging					
				Maintenance			New Work		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	334	95	239	336	95	241	331	93	238
Assigned	49.4%	32.6%	56.1%	78.9%	88.4%	75.1%	77.9%	80.6%	76.9%
Percent of Time									
1 - 20%	58.1	70.4	55.4	53.5	33.8	62.5	72.0	68.1	73.7
21 - 40%	23.6	22.2	24.0	20.4	20.8	20.2	18.4	16.7	19.2
41 - 60%	11.5	3.7	13.2	7.3	13.0	4.8	4.6	8.3	3.0
61 - 80%	4.7	-	5.8	9.8	19.5	5.4	2.9	6.9	1.2
81 - 100%	2.0	3.7	1.7	9.0	13.0	7.1	2.1	-	3.0
Assigned Six Months									
Less than	15.0	6.9	17.1	23.2	6.7	31.5	22.9	9.4	28.7
More than	85.0	93.1	82.9	76.8	93.3	68.5	77.1	90.6	71.3
Has an interest in project area	50.6	42.3	53.9	51.6	59.8	48.2	55.3	66.2	50.8

Table B-3 (continued)

Q. 1

	Environmental Inventory			Flood Control			Hydroelectric Power		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	335	95	240	335	95	240	333	94	239
Assigned	37.0%	47.4%	32.9%	59.4%	48.4%	63.7%	11.4%	5.3%	13.8%
Percent of Time									
1 - 20%	73.0	63.6	78.9	46.0	61.9	41.4	75.8	83.3	74.1
21 - 40%	8.7	6.8	9.9	24.6	21.4	25.5	15.2	16.7	14.8
41 - 60%	8.7	13.6	5.6	11.8	9.5	12.4	9.1	-	11.1
61 - 80%	5.2	9.1	2.8	9.1	7.1	9.7	-	-	-
81 - 100%	4.3	6.8	2.8	8.6	-	11.0	-	-	-
Assigned Six Months									
less than	21.0	10.5	27.4	10.3	6.9	11.5	31.6	28.6	32.3
More than	79.0	89.5	72.6	89.6	93.0	88.4	68.4	71.4	67.7
Has an interest in project area	41.0	52.6	36.3	52.2	44.4	55.5	25.0	17.9	27.9

Table B-3 (continued)

Q.1

	Recreation Resources			Shore Protection			Urban Development		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	333	95	238	335	95	240	333	95	238
Assigned	38.7%	30.5%	42.0%	48.1%	48.4%	47.9%	8.7%	7.4%	9.2%
Percent of Time									
1 - 20%	86.8	89.7	85.9	73.0	81.4	69.7	100.0	100.0	100.0
21 - 40%	9.1	6.9	9.8		14.0	19.3	-	-	-
41 - 60%	2.5	3.4	2.2		4.7	55.5	-	-	-
61 - 80%	-	-	-		-	.9	-	-	-
81 - 100%	1.7	-	2.2	3.3	-	4.6	-	-	-
Assigned Six Months									
Less than	26.2	6.9	33.3	21.1	4.9	28.3	40.7	71.4	30.0
More than	73.8	93.1	66.7	78.9	95.1	71.1	59.3	28.6	70.0
Has an interest in project area	46.7	37.5	50.5	47.6	42.5	56.6	25.0	22.8	25.9

Q. 1

Table B-3 (continued)

	Waste Water Treatment			Water Supply			Emergency Operations		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	334	95	239	334	95	239	332	95	237
Assigned	17.1%	13.7%	18.4%	20.7%	17.9%	21.8%	37.3%	34.7%	38.4%
Percent of Time									
1 - 20%	94.2	100.0	92.9	88.6	92.9	88.6	90.8	93.5	89.9
21 - 40%	3.8	-	4.8	8.6	7.1	9.1	7.5	3.2	9.0
41 - 60%	-	-	-	1.7	-	2.3	.8	3.2	-
61 - 80%	-	-	-	-	-	-	-	-	-
81 - 100%	1.9	-	2.4	-	-	-	.8	-	1.1
Assigned Six Months									
Less than	35.4	25.0	38.9	24.1	12.5	28.9	24.8	12.9	29.7
More than	64.6	75.0	61.0	75.9	87.5	71.1	75.2	87.1	70.3
Has an interest in project area	28.7	31.6	27.5	35.7	33.7	36.5	38.1	36.6	38.3

Table B-3 (concluded)

	Other Projects		
	Total	Aware	Unaware
Number Answering	327	91	236
Assigned	22.6 %	19.8 %	23.7 %
Percent of Time			
1 - 20%	27.9	33.3	26.0
21 - 40%	22.1	22.2	22.0
41 - 60%	16.2	22.2	14.0
61 - 80%	8.8	5.6	10.0
81 - 100%	25.0	16.7	28.0
Assigned Six Months			
Less than	14.3	12.5	14.9
More than	85.7	87.5	85.1
Has an interest in project area	-	-	-

Table B-4

Q. 1a To which of the listed "project areas and related activities" are you presently assigned?

PROJECT	Total Assigned #	Total Assigned %	Aware %	Dredging Assigned %
Basin planning	233	=100	8.7	36.5
Bridge construction	120		11.0	64.4
Clearing waterways	188		21.5	75.8
Dam. reservoir, and water control	361		9.8	46.3
Dredging:				
New work	268		31.7	100.0
Maintenance	264		29.1	100.0
Environmental inventory	265		27.2	47.5
Flood control	498		11.1	39.8
Hydroelectric power	97		5.3	40.0
Recreation resources	277		14.0	47.4
Shore protection and restoration	287		18.0	56.7
Urban development	93		12.1	31.9
Waste treatment	124		15.7	47.1
Water supply	159		12.8	44.2
Emergency operations	242		11.4	25.8

Table B-5

Q.2 Name the organizational categories to which you are currently assigned. (Division)

Respondent Distribution by Division

	Total	Aware	Unaware
Number Surveyed	336	95	241
Number Answering	335	94	241
Planning	8	4	4
Engineering	187	42	145
Construction	23	4	19
Operations	60	25	35
Construction/Operations	27	9	18
Project/Operations	2	-	2
Area Offices	15	4	11
Navigation	13	6	7

Table B-6

2. Name the organizational categories to which you are currently assigned.

Respondent Distribution by Branch

	Total	Aware	Unaware
Number of Respondents	336	95	241
Number Answering	308 100%	82 100%	226 100%
Design	26.0	17.1	29.2
Area office	10.1	9.8	10.2
Navigation	8.8	14.6	6.6
Foundations and materials	8.4	4.9	2.7
Environmental resources	5.2	12.2	2.7
Planning	4.9	3.7	5.3
Supervision and inspection	3.6	1.2	4.4
Planning and reports	2.6	2.4	2.7
Naval, shoreline and estuarine plan	2.3	4.9	1.3
Hydraulics and hydrology	2.3	1.2	2.7
Project planning	1.6	-	2.2
River stabilization	1.6	-	2.2
Project operations	1.6	1.2	1.8
Regulatory	1.6	2.4	1.3
Operations and maintenance	1.6	4.9	0.4
Waterways maintenance	1.3	3.7	0.4
Design memo	1.0	0.0	1.3
Civil projects management	1.0	-	1.3
Lake and harbor	1.0	2.4	0.4
Technical services	1.0	2.4	0.4
Plant	0.9	1.2	2.2
Project management	0.6	-	0.9
Water resources and urban planning	0.6	-	0.9
Construction	0.6	1.2	0.4
Recreation-resource management	0.6	-	0.9

Q.2

Table B-6 (concluded)

	Total	Aware	Unaware
Construction	0.6	-	0.9
Operations	0.6	-	0.9
Plant	0.6	-	0.9
Flood plain management	0.3	-	0.4
Economics	0.3	-	0.4
Plan formulation	0.3	1.2	-
Engineering systems and programming	0.3	1.2	-
Construction service	0.3	-	0.4
Permit	0.3	-	0.4
Regulatory functions	0.3	-	0.4
Engineering	0.3	-	0.4
Survey	0.3	-	0.4
Contractual administration	0.3	-	0.4

Table B-7

Q.3 What is your present Military or Civil Service job title?

	Total	Aware	Unaware
Number of Respondents	336	95	241
Number Answering	328	92	236
	%	%	%
Civil engineer	32.6	25.0	35.6
Supv. civil engineer (Tech.)	22.9	31.5	19.5
Chief	6.1	10.9	4.2
Engineering technician	4.3	4.3	4.2
Civil engineer technician	3.4	-	4.7
Construction representative/ superintendent	2.7	2.2	3.0
Fishery/biologist	2.1	4.3	1.3
Mechanical engineer	2.1	2.2	2.1
Hydraulic engineer	1.8	2.2	1.7
Geologist	1.5	-	2.1
Environmental resources/ environmental specialist	1.2	3.3	0.4
Program analyst/operations	1.2	1.1	1.3
Assistant chief/engineer	0.9	1.1	0.8
Regional economist	0.9	-	1.3
Civil engineer technician	0.9	-	1.3
Area engineer	0.9	1.1	0.8
Oceanographer	0.9	3.3	-
Civil service	0.9	-	1.3
Branch chief	0.6	2.2	-
Resident engineer	0.6	-	0.8
Sanitary engineer	0.6	1.1	0.4
Ecologist/agronomist	0.6	1.1	0.4
Project engineer	0.6	-	0.8
Supervisory engineer	0.6	1.1	0.4
Editor/technical writer	0.6	-	0.8
Acting area engineer	0.3	-	0.4
Budget analyst	0.3	-	0.4
Captain	0.3	-	0.4

Q.3 Table B-7 (concluded)

	Total	Aware	Unaware
Number Answering	328	92	236
	%	%	%
Economist	0.3	-	0.4
Illustrator	0.3	-	0.4
Landscape architect/outdoor recreation	0.3	-	0.4
Permit specialist	0.3	-	0.4
Section chief	0.3	-	0.4
Structural engineer	0.3	-	0.4
Supv. hydrology engineer	0.3	-	0.4
General engineer	0.3	-	0.4
Ship surveyor	0.3	-	0.4
Power project superintendent	0.3	-	0.4
Management assistant	0.3	-	0.4
Supervisor	0.3	-	0.4
Architect	0.3	-	0.4
Facility manager	0.3	-	0.4
Administrative officer	0.3	-	0.4
Marine equipment repairman	0.3	-	0.4
Shore patrol inspector	0.3	-	0.4
Supervisory general engineer	0.3	-	0.4
Soils engineer	0.3	-	0.4
Public affairs officer	0.3	-	0.4
Maintenance superintendent	0.3	-	0.4
District engineer	0.3	1.1	-
Park manager/recreation mgr.	0.3	1.1	-
Chemist	0.3	-	0.4

Table B-8

Q.4 Identify your area of expertise or specialization.

	Total	Aware	Unaware
Number of Respondents	336	95	241
Number Answering	333	95	238
	%	%	%
Civil engineering	44.4	47.4	43.4
Navigation	7.2	8.4	6.7
Soil mechanics	4.5	3.2	5.0
Environmental analysis and planning/engineering	3.9	7.4	2.5
Administration and management	3.3	3.2	3.4
Engineering	2.7	4.2	2.1
Hydrologic and hydrology equipment	2.4	-	3.4
Marine engineering and construction	2.1	2.1	2.1
Construction and operations	1.8	1.1	2.1
Cost estimating	1.8	-	2.5
Coastal engineering	1.5	1.1	1.7
Contract administration	1.5	1.1	1.7
Dredging	1.5	3.2	0.8
Mechanical engineering	1.5	1.1	1.7
Computer/systems analysis	1.5	1.1	1.7
Geology	1.2	-	1.7
Specification engineering	1.2	1.1	1.3
Water resource planner/ analysis	1.2	1.1	1.3
Agronomy administration	0.9	-	1.3
Biology	0.9	2.1	0.4
Economics	0.9	-	1.3

Q.4 Table B-8 (continued)

	Total	Aware	Unaware
Number Answering	333	95	238
	%	%	%
Technical writer	0.9	-	1.3
Channel stabilization	0.9	1.1	0.8
Aquatic plant control	0.6	1.1	0.4
Geo-technical	0.6	-	0.8
Operations and maintenance	0.6	2.1	-
Archeology	0.3	-	0.4
Bank stabilization and dredge engineering	0.3	-	0.4
Design	0.3	-	0.4
Estuarine ecology	0.3	1.1	-
Field permit inspection	0.3	-	0.4
Fiscal management	0.3	-	0.4
Foundation engineering	0.3	-	0.4
Instrumentation and control	0.3	-	0.4
Illustration and design	0.3	-	0.4
Landscape architecture/ design	0.3	-	0.4
Materials of construction	0.3	-	0.4
Ocean engineer	0.3	1.1	-
Professional mariner	0.3	1.1	-
Planning engineer	0.3	-	0.4
Resource management	0.3	-	0.4
Sanitary/environmental engineering	0.3	1.1	-
Structural design	0.3	1.1	-
Surveying	0.3	-	0.4
Shore protection	0.3	-	0.3
Fishery biology/fish and wildlife	0.3	-	0.4

Table B-8 (concluded).

Q. 4

	Total	Aware	Unaware
Number Answering	333	95	238
	%	%	%
Public information	0.3	-	0.4
Budget and Programming	0.3	-	0.4
Botany	0.3	0.3	-
Inspection	0.3	-	0.4
Geohydrology	0.3	-	0.4
Preparation of Government Estimates	0.3	-	0.4
Revetment Construction and Maintenance	0.3	-	0.4
Programming	-	-	-
Water Chemistry	0.3	1.1	-

Table B-9

Q. 19 How long have you been either a civil or military member of the Corps?

	Total	Aware	Unaware
Number of Respondents	336	95	241
Number Answering	329	94	235
	100%	100%	100%
5 yrs. & less	19.1%	23.4%	17.4%
6 - 10 yrs.	16.4	22.3	14.0
11 - 15 yrs.	17.9	10.6	20.9
16 - 20 yrs.	17.0	20.2	15.7
21 - 25 yrs.	13.4	11.7	14.0
26 - 30 yrs.	8.8	5.3	10.2
31 - 35 yrs.	4.9	5.3	4.7
36 - 40 yrs.	2.4	0.3	2.1

Table B-10

Q. 20 Highest Degree Held:

	Total	Aware	Unaware
Number of Respondents	336	95	241
Number Answering	326	94	232
	100%	100%	100%
No Degree	20.2%	9.6%	24.6%
Bachelor's	62.0	70.2	58.6
Master's	16.0	17.0	15.5
Doctorate	1.8	3.2	1.3

Table B-11

Q. 20b. Year in which highest degree was obtained.

	Total	Aware	Unaware
Number of Respondents	336	95	241
Number Answering	223=100	73=100	150=100

Year	Total	Aware	Unaware	Year	Total	Aware	Unaware
1931	0.4	-	0.7	1955	2.2	2.7	2.0
1933	-	-	-	1956	0.4	-	0.7
1934	1.3	-	2.0	1957	4.5	8.2	2.7
1935	0.4	-	0.7	1958	3.6	4.1	3.3
1936	0.4	-	0.7	1959	2.2	4.1	1.2
1937	-	-	-	1960	4.9	5.5	4.7
1938	0.4	-	0.7	1961	3.1	4.1	2.7
1939	-	-	-	1962	1.8	1.4	2.0
1940	1.3	1.4	1.3	1963	3.1	4.1	2.7
1941	1.8	1.4	2.0	1964	2.2	2.7	2.0
1943	-	-	-	1965	4.0	2.7	4.7
1944	0.4	-	0.7	1966	1.3	2.7	0.7
1945	0.4	1.4	-	1967	2.2	4.1	1.3
1946	-	-	-	1968	4.0	4.1	4.0
1947	0.9	-	1.3	1969	4.5	8.2	2.7
1948	3.1	-	4.7	1970	4.5	5.5	4.0
1949	2.2	1.4	2.7	1971	4.0	2.7	4.7
1950	2.7	1.4	3.3	1972	6.3	6.8	6.0
1951	4.9	5.5	4.7	1973	5.4	4.1	6.0
1952	2.7	2.7	2.7	1974	2.7	1.4	3.3
1953	1.8	-	2.7	1975	4.5	5.3	2.7
1954	2.2	2.7	2.0	1976	0.4	-	0.7

Table B-12

Q. 21 In what time period were you born?

	Total	Aware	Unaware
Number of Respondents	336	95	241
Number Answering	327 100%	92 100%	235 100%
Before 1915	4.3%	1.1%	5.5%
1915 - 1919	9.2	7.6	9.8
1920 - 1924	11.6	7.6	13.2
1925 - 1929	16.8	12.0	18.7
1930 - 1934	14.1	17.4	12.8
1935 - 1939	14.7	20.7	12.3
1940 - 1944	14.1	16.3	13.2
1945 - 1949	12.5	16.3	11.1
1950 & after	2.8	1.1	3.4

Table B-13

Q. 3b If Civil Service, what is your present GS rating?

GS Rating	Total	Aware	Unaware
	# 328	# 91	# 237
	%	%	%
9	13.7	6.6	16.5
10	1.5	---	2.0
11	28.4	28.6	28.3
12	32.6	28.6	34.2
13	17.1	26.4	13.5
14	5.8	7.7	5.1
15	0.9	2.2	0.4

Table B-14

Q.6a In the list of job activities below: a. Check all the activities you usually perform in connection with your job.

	Total	Aware	Unaware		Total	Aware	Unaware
Number of Respondents	336	95	241				
Number Answering	336=100%	95=100%	241=100%				
Reviewing	95.1%	87.4%	84.2%	Researching	44.0	50.5	41.5
Coordinating	84.8	91.6	82.2	Liaison	44.0	48.4	42.3
Recommending	73.4	80.0	70.8	Representing	42.9	47.4	41.4
Engineering	73.2	70.5	74.3	Dredging	37.8	50.5	32.8
Planning	71.4	81.1	67.6	Authorizing	37.5	41.1	36.1
Analyzing	70.5	77.9	67.6	Conceptualizing	33.9	41.1	31.1
Supervising	67.6	70.5	66.4	Recording	33.0	27.4	35.3
Investigating	64.9	68.4	63.5	Staffing	31.8	37.9	29.5
Organizing	62.8	67.4	61.0	Maintaining	27.7	30.5	26.6
Advising	62.8	65.3	61.8	Controlling	25.6	26.3	25.3
Report writing	62.8	67.4	61.0	Contracting	24.7	29.5	22.8
Estimating	62.2	60.0	63.1	Enforcing	22.6	28.4	20.3
Directing	59.5	67.4	56.4	Surveying	21.4	17.9	22.8
Observing	58.3	64.2	56.0	Procurement	21.1	23.2	20.3
Administering	57.4	65.3	54.4	Constructing	21.1	18.9	22.0
Inspecting	54.8	55.8	54.4	Drafting	19.9	12.6	22.8
Consulting	52.8	62.1	49.2	Appraising	19.0	18.9	19.1
Initiating	51.8	55.8	50.2	Arbitrating	17.9	18.9	17.4
Delegating	51.8	61.6	48.1	Testing	16.7	15.8	17.0
Approving	47.9	48.4	47.7	Mapping	15.5	12.6	16.6
Establishing specifications	47.6	50.5	46.5	Permit issuing & licensing	13.7	15.8	12.9
Monitoring	46.1	51.6	44.0	Auditing	8.9	7.4	9.5
Persuading	45.8	54.7	42.3	Servicing	6.3	5.3	6.6
Selecting	44.6	48.4	43.2	Prosecuting	2.7	4.2	2.1

Table B-15

Q. 6b Of these, identify the three (3) you consider primary to your job.

	Total			Aware			Unaware		
	Identifying Job Activity	Primary Job Activity		Identifying Job Activity	Primary Job Activity		Identifying Job Activity	Primary Job Activity	
	#	%	#	#	%	#	#	%	#
Supervising	227	43.6	99	67	49.3	33	160	41.2	66
Engineering	246	37.8	93	67	31.3	21	179	40.2	72
Coordinating	285	32.2	92	87	27.6	24	198	34.3	68
Report writing	211	32.2	68	64	32.8	21	147	31.9	47
Planning	240	27.5	66	77	26.0	20	163	28.2	46
Administering	143	42.0	60	33	75.8	25	110	31.8	35
Dredging	127	29.9	51	48	45.8	22	79	20.3	16
Reviewing	286	15.0	43	83	13.3	11	203	15.8	32
Analyzing	237	15.6	37	74	14.0	11	163	16.0	36
Estimating	209	16.3	34	57	5.3	3	152	13.8	31
Establishing specifications	160	16.3	26	48	14.6	7	112	17.0	19
Investigating	218	11.0	24	65	9.2	1	153	11.8	18
Inspecting	184	12.0	22	53	7.6	4	131	13.7	18
Organizing	211	7.6	16	64	7.8	5	147	7.5	11
Advising	211	7.6	16	62	12.9	8	149	5.4	8
Researching	148	10.1	15	48	8.3	4	100	11.0	11
Directing	200	7.5	15	84	14.3	12	136	2.2	3
Permit issuing & licensing	46	26.1	12	15	33.3	5	31	22.6	7
Maintaining	93	12.9	12	29	10.3	3	64	14.1	9
Constructing	71	16.9	12	18	16.7	3	53	17.0	9
Conceptualizing	114	9.7	11	39	7.7	3	75	10.7	8
Delegating	174	6.3	11	58	6.9	4	116	6.0	7
Consulting	177	5.7	10	59	1.7	1	118	7.6	9

Table B-15 (concluded)

Q. 6b	Total			Aware			Unaware		
	Identifying Job Activity	Primary Job Activity		Identifying Job Activity	Primary Job Activity		Identifying Job Activity	Primary Job Activity	
	#	%	#	#	%	#	#	%	#
Recommending	246	4.1	10	76	--	0	170	5.9	10
Persuading	154	5.2	8	52	--	0	102	7.8	8
Contracting	83	8.4	7	28	7.1	2	55	9.1	5
Approving	161	3.1	5	46	4.4	2	115	2.6	3
Initiating	174	2.9	5	53	1.9	1	121	3.3	4
Monitoring	155	3.2	5	49	--	0	106	4.7	5
Authorizing	126	3.2	4	39	2.6	1	87	3.5	3
Observing	196	2.0	4	61	1.6	1	135	22.2	3
Mapping	52	7.7	4	12	--	0	40	10.0	4
Surveying	72	5.6	4	17	6.9	1	55	5.5	3
Auditing	30	10.0	3	7	--	0	23	13.0	3
Recording	111	2.7	3	26	--	0	85	5.9	3
Appraising	64	4.7	3	18	11.1	2	46	2.2	1
Representing	144	2.1	3	45	--	0	99	3.0	3
Testing	56	5.4	3	15	--	0	41	7.3	3
Enforcing	76	4.0	3	27	--	0	49	6.1	3
Drafting	67	4.5	3	12	8.3	1	55	3.6	2
Procurement	71	2.8	2	22	4.6	1	49	2.0	1
Controlling	86	1.2	1	25	--	0	61	1.7	1
Prosecuting	9	11.1	1	4	25.0	1	5	--	7
Servicing	21	4.8	1	15	--	0	16	6.3	1
Selecting	150	0.7	1	46	--	0	104	1.0	1
Staffing	107	0.9	1	36	--	0	71	1.4	1
Arbitrating	60	--	0	18	--	0	42	--	0

Table B-16

Q. 5 In your job location, what percent (%) of working time is normally spent away from your usual job location?

	Total	Aware	Unaware
Number of Respondents	336	95	241
Number Answering	336	95	241
	%	%	%
None	8.6	6.3	9.5
1 - 20%	78.0	80.0	77.2
21 - 40%	11.3	13.7	10.4
41 - 60%	.6	-	.8
61 - 80%	1.5	-	2.1

Table B-17

Q. 7a Of all the activities checked in response to "6a" consider those which place the greatest. . . demand on you to acquire and utilize new information.

	Total			Aware			Unaware		
	Identifying Job Activity *	Greatest Demand		Identifying Job Activity *	Greatest Demand		Identifying Job Activity *	Greatest Demand	
	#	%	#	#	%	#	#	%	#
Engineering	246	21.1	52	67	19.4	13	179	21.8	39
Planning	240	15.8	38	77	13.0	10	163	17.1	28
Administering	143	17.5	25	33	33.3	11	110	12.7	14
Estimating	209	9.1	19	57	3.5	2	152	11.2	17
Coordinating	285	5.6	16	87	2.3	2	198	7.1	14
Supervising	227	7.0	16	67	3.0	2	160	8.8	14
Analyzing	237	5.1	12	74	6.8	5	163	4.3	7
Establishing specifications	160	6.9	11	48	6.3	3	112	7.1	8
Permit issuing & licensing	46	23.9	11	15	46.7	7	31	12.9	4
Researching	148	7.4	11	48	8.3	4	100	1.0	7
Dredging	127	7.1	9	48	10.4	5	69	5.1	4
Conceptualizing	114	7.0	8	39	10.3	4	75	5.3	4
Investigating	218	3.7	8	65	1.5	1	153	4.6	7
Report writing	211	3.8	8	64	7.8	5	147	2.0	3
Administering	143	4.9	7	33	6.1	2	110	4.5	5
Contracting	83	6.0	5	28	3.6	1	55	7.3	4
Reviewing	286	1.7	5	83	2.4	2	203	1.5	3
Organizing	211	1.9	4	64	1.6	1	147	2.0	3
Recommending	246	1.2	3	76	1.3	1	170	1.2	2
Maintaining	93	3.2	3	29	-	-	64	4.7	3

* Absolute numbers in these columns are the 100% bases for the adjacent relative frequencies. This also applies to Table B-18.

Table B-17 (concluded)

Q. 7a	Total			Aware			Unaware		
	Identifying Job Activity * #	Greatest Demand %	Greatest Demand #	Identifying Job Activity * #	Greatest Demand %	Greatest Demand #	Identifying Job Activity * #	Greatest Demand %	Greatest Demand #
Directing	200	1.0	2	64	3.1	2	136	-	0
Auditing	30	6.7	2	7	-	0	23	8.7	2
Enforcing	76	2.6	2	27	-	0	49	2.5	2
Approving	161	1.2	2	46	-	0	115	1.7	2
Initiating	174	1.1	2	53	-	-	121	1.7	2
Authorizing	126	0.8	1	39	-	0	87	1.1	1
Recording	111	0.9	1	26	-	0	85	1.2	1
Mapping	52	1.9	1	12	-	-	40	2.5	1
Testing	56	1.8	1	15	-	-	116	-	-
Selecting	150	0.6	1	46	-	-	104	1.0	1
Observing	196	0.5	1	61	1.6	1	135	-	-
Persuading	154	-	0	52	-	0	102	-	0
Controlling	86	-	0	25	-	0	61	-	0
Monitoring	155	-	0	49	-	0	106	-	0
Arbitrating	60	-	0	18	-	0	42	-	0
Appraising	64	-	0	18	-	0	46	-	0
Contracting	83	-	0	28	-	0	55	-	2
Prosecuting	9	-	0	4	-	0	5	-	0
Representing	144	-	0	45	-	0	99	-	0
Drafting	67	-	-	12	-	-	55	-	-
Procurement	71	-	-	22	-	-	49	-	-
Surveying	72	-	-	17	-	-	55	-	-
Servicing	21	-	-	5	-	-	16	-	-
Delegating	174	-	-	58	-	-	116	-	-
Staffing	107	-	-	36	-	-	71	-	-
Advising	211	-	-	62	3.2	2	149	0.7	2
Consulting	177	-	-	59	1.7	1	118	0.8	1
Liaison	148	-	-	46	-	-	102	1.0	1

Table B-18

Q. 7a Of all the activities checked in response to "6a" consider those which place the second greatest . . . demand on you to acquire and utilize new information.

	Total			Aware			Unaware		
	Identifying Job Activity	Second Greatest		Identifying Job Activity	Second Greatest		Identifying Job Activity	Second Greatest	
	#	%	#	#	%	#	#	%	#
Engineering	246	9.8	24	67	6.0	4	170	11.1	20
Planning	240	9.6	23	77	11.7	9	163	8.6	14
Analyzing	237	10.5	20	74	20.2	5	163	6.1	15
Coordinating	285	6.7	19	87	13.8	12	198	3.5	
Report writing	211	8.5	18	64	4.9	3	147	10.2	15
Supervising	227	7.9	18	67	13.4	9	160	5.6	9
Recommending	246	4.9	12	76	2.6	2	170	5.9	10
Establishing specifications	160	6.9	11	48	10.4	5	112	5.4	6
Inspecting	184	5.9	11	53	3.8	2	131	6.9	9
Reviewing	286	3.9	11	83	1.2	1	203	4.9	10
Researching	148	7.4	11	48	6.3	3	100	8.0	8
Dredging	127	8.7	11	48	10.4	5	79	7.6	6
Advising	211	4.7	10	62	1.6	1	149	6.0	9
Investigating	218	4.1	9	65	6.2	4	153	3.3	5
Administering	143	4.9	7	33	6.1	2	110	4.5	5
Contracting	83	6.0	5	28	3.6	1	55	7.3	4
Estimating	209	2.4	5	57	1.8	1	152	2.6	4
Maintaining	93	5.4	5	29	6.9	2	64	4.7	3
Permit issuing & licensing	46	8.7	4	15	6.7	1	31	9.7	3
Conceptualizing	114	3.5	4	39	2.6	1	75	4.0	3
Constructing	71	5.6	4	18	11.1	2	53	3.8	2
Consulting	177	2.3	4	59	3.4	2	118	1.7	2
Persuading	154	1.9	3	52	1.9	1	102	2.0	2
Monitoring	155	1.9	3	49	-	-	106	2.8	3

Table B-18 (concluded)

Q. 7a

	Total			Aware			Unaware		
	Identifying Job Activity	Second Greatest		Identifying Job Activity	Second Greatest		Identifying Job Activity	Second Greatest	
	#	%	#	#	%	#	#	%	#
Representing	144	2.1	3	45	-	-	999	3.0	3
Observing	196	1.5	3	61	1.6	1	135	1.5	2
Directing	200	1.0	2	64	1.6	1	136	0.7	1
Appraising	64	3.1	2	18	5.6	1	46	2.8	1
Approving	161	1.2	2	46	-	-	115	1.7	2
Initiating	174	1.1	2	53	1.9	1	121	0.8	1
Procurement	71	2.8	2	22	-	-	55	1.8	1
Testing	56	3.6	2	15	-	-	41	4.9	2
Organizing	211	0.5	2	64	-	-	147	1.4	2
Liaison	148	1.4	2	46	-	-	102	2.0	2
Controlling	86	2.3	2	25	4.0	1	61	1.6	1
Recording	111	0.9	1	26	-	-	85	1.2	1
Arbitrating	60	1.7	1	18	-	-	42	2.4	1
Enforcing	76	1.3	1	27	3.7	1	49	-	-
Drafting	67	1.5	1	12	-	-	55	1.8	1
Mapping	52	1.9	1	12	-	-	40	2.5	1
Surveying	72	1.4	1	17	-	-	55	1.8	1
Servicing	21	4.8	1	05	-	-	16	6.3	1
Selecting	150	0.6	1	46	-	-	104	1.0	1
Authorizing	126	-	-	39	-	-	87	-	-
Delegating	174	0.6	1	58	-	-	116	0.9	1
Staffing	107	0.9	1	36	-	-	71	1.4	1
Auditing	30	-	-	7	-	-	23	-	-
Prosecuting	9	-	-	4	-	-	55	-	-

Table B-19

Q. 7b. Consider the types of sources you would or might use in acquiring new information. Some are listed below. Rate each source in terms of its usefulness in furnishing information you need for the "greatest" and "second greatest" information demanding activity. Circle for each source, the appropriate number according to the following scale.

T = Total
A = Aware
U = Unaware

Activity Imposing Greatest Demand

		Answering #	Always 6 %	← Usefulness Scale → 5 %	4 %	3 %	2 %	Seldom 1 %
Associate Workers	T:302		29.5	20.5	24.8	14.9	6.0	4.3
	A: 89		20.2	23.6	29.2	16.9	3.4	6.7
	U:213		33.3	19.2	23.0	14.1	7.0	3.3
Conferences, seminars, workshops	T:303		20.5	23.8	23.4	18.2	8.6	5.6
	A: 89		22.5	23.6	27.0	12.4	12.4	2.2
	U:214		19.6	23.8	22.0	20.6	7.0	7.0
Demonstrations	T:273		7.0	12.8	21.2	16.8	21.2	20.9
	A: 88		3.4	11.4	21.6	13.6	27.3	22.7
	U:185		8.6	13.5	21.1	18.4	18.4	20.6
Formal Course Work	T:284		14.1	19.7	26.4	17.6	10.9	11.3
	A: 87		9.2	24.1	20.7	21.8	11.5	12.6
	U:197		16.2	17.8	28.9	15.7	10.7	10.7
Non-Corps associates contacts at meetings.	T:285		12.3	17.5	23.9	15.4	15.4	15.4
	A: 88		9.1	18.2	26.1	15.9	19.3	11.4
	U:197		13.7	17.3	22.8	15.2	13.7	17.3
Site Visits	T:301		47.5	19.9	18.6	6.0	4.0	4.0
	A: 89		43.8	20.2	21.3	4.5	5.6	4.5
	U:212		49.1	19.8	17.5	6.6	3.3	3.8
Supervisors	T:298		23.8	24.8	25.2	11.4	8.1	6.7
	A: 88		20.5	28.4	20.5	13.6	6.8	10.2
	U:210		25.2	23.3	27.1	10.5	8.6	5.2
Trade Shows	T:257		4.7	4.7	8.2	14.4	18.7	49.4
	A: 82		1.2	3.7	3.7	14.6	22.0	54.9
	U:175		6.3	5.1	10.3	14.3	17.1	46.9
Books	T:296		19.9	23.3	28.4	13.9	8.8	5.7
	A: 86		16.3	30.2	25.6	11.6	8.1	8.1
	U:210		21.4	20.5	29.5	14.8	9.0	4.8
Bulletins	T:283		11.7	16.3	29.0	23.3	12.0	7.8
	A: 85		8.2	16.5	27.1	24.7	12.9	10.6
	U:198		13.1	16.2	29.8	22.7	11.6	6.6

Q. 7b.

Table B-19 (concluded)

Activity Imposing Greatest Demand

	Answering #	Always 6 %	5 %	4 %	3 %	2 %	Seldom 1 %
		← Usefulness Scale →					
Directives & Guidelines	T:304	26.6	23.7	20.7	16.8	6.3	5.9
	A: 88	23.9	21.6	23.9	15.9	9.1	5.7
	U:216	27.8	24.5	19.4	17.1	5.1	6.0
Journals	T:283	13.8	16.3	21.2	21.6	13.8	13.4
	A: 86	15.1	19.8	22.1	16.3	15.1	11.6
	U:197	13.2	14.7	20.8	23.9	13.2	14.2
Technical Magazines	T:291	8.2	14.4	23.7	24.1	13.4	16.2
	A: 87	6.9	17.2	21.8	25.3	14.9	13.8
	U:204	8.8	13.2	24.5	23.5	12.7	17.2
Manuals	T:295	25.4	19.0	24.1	13.6	11.5	6.4
	A: 87	18.4	17.2	25.3	13.8	17.2	8.0
	U:208	28.4	19.7	23.6	13.5	9.1	5.8
Motion pictures, videotapes	T:267	2.6	9.0	16.5	19.9	18.4	33.7
	A: 84	-	7.1	9.5	26.2	13.1	44.0
	U:183	3.8	9.8	19.7	16.9	20.8	29.0
Newsletters	T:275	3.3	9.1	23.3	22.2	19.6	22.5
	A: 85	2.4	8.2	22.4	23.5	25.9	17.6
	U:190	3.7	9.5	23.7	21.6	16.8	24.7
News releases	T:272	3.7	5.5	14.3	19.1	20.2	37.1
	A: 85	1.2	5.9	14.1	18.8	22.4	37.6
	U:187	4.8	5.3	14.4	19.3	19.3	36.9
Preprints, manuscripts, correspondence	T:281	8.2	19.6	21.7	24.6	12.1	13.9
	A: 87	6.9	23.0	19.5	26.4	14.9	9.2
	U:194	8.8	18.0	22.7	23.7	10.8	16.0
Reports	T:295	18.3	24.7	25.8	16.9	6.8	7.5
	A: 87	23.0	26.4	25.3	12.6	2.3	10.3
	U:208	16.3	24.0	26.0	18.8	8.7	6.3
Tape Cassettes	T:261	1.5	1.9	5.0	15.3	16.5	59.8
	A: 84	2.4	-	3.6	7.1	23.8	63.1
	U:177	1.1	2.8	5.6	19.2	13.0	58.2

Q. 7b

Table B-20

Activity Imposing Second Greatest Demand

	Answering	Always ← Usefulness Scale → Seldom					
		6	5	4	3	2	1
	#	%	%	%	%	%	%
Associate Workers	T:275	27.6	17.5	20.0	17.1	11.6	6.2
	A: 85	27.1	23.5	23.5	8.2	14.1	3.5
	U:190	27.9	14.7	18.4	21.1	10.5	7.4
Conferences, seminars, work-shops	T:269	19.3	19.3	19.0	16.7	12.3	13.4
	A: 86	19.8	26.7	22.1	15.1	10.5	5.8
	U:183	19.1	15.8	17.5	17.5	13.1	16.9
	T:266	8.3	7.9	17.7	15.0	22.2	28.9
	A: 83	6.0	4.8	20.5	12.0	28.9	27.7
	U:183	9.3	9.3	16.4	16.4	19.1	29.5
Formal Course Work	T:260	13.8	15.0	17.7	18.1	15.8	19.6
	A: 83	12.0	16.9	13.3	15.7	18.1	24.1
	U:177	14.7	14.1	19.8	19.2	14.7	17.5
Non-Corps associ-ates contacts at meetings	T:264	11.7	15.9	16.3	18.9	17.8	19.3
	A: 83	13.3	18.1	18.1	16.9	18.1	15.7
	A:181	11.0	14.9	15.5	19.9	17.7	21.0
Site Visits	T:265	37.4	19.2	15.1	11.3	6.0	10.9
	A: 83	39.8	14.5	13.3	9.6	10.8	12.0
	U:182	36.3	21.4	15.9	12.1	3.8	10.4
Supervisor	T:267	24.3	18.4	24.7	13.1	10.1	9.4
	A: 83	24.1	24.1	15.7	13.3	10.8	12.0
	U:184	24.5	15.8	28.8	13.0	9.8	8.2
Trade Shows	T:256	3.1	4.7	4.7	13.7	16.8	57.0
	A: 83	1.2	3.6	4.8	13.3	14.5	62.7
	U:173	4.0	5.2	4.6	13.9	17.9	54.3
Books	T:260	15.4	16.9	26.2	15.0	10.4	16.2
	A: 85	16.5	17.6	25.9	10.6	10.6	18.8
	U:175	14.9	16.6	26.3	17.1	10.3	14.9
Bulletins	T:259	9.7	11.6	23.2	21.2	12.7	21.6
	A: 83	9.6	9.6	18.1	26.5	15.7	20.5
	U:176	9.7	12.5	25.6	18.8	11.4	22.2

Q. 7b.

Table B-20 (concluded)

Activity Imposing Second Greatest Demand

	Answering	Always ← Usefulness Scale → Seldom					
		6	5	4	3	2	1
	#	%	%	%	%	%	%
Directives & Guidelines	T:267	24.7	16.9	24.0	17.2	9.4	7.6
	A: 87	21.8	14.9	23.0	19.5	10.3	10.3
	U:180	26.1	17.8	24.4	16.1	8.9	6.7
Scientific Journals	T:260	11.2	14.2	16.9	19.6	12.7	25.4
	A: 84	7.1	19.0	16.7	22.6	14.3	20.2
	U:176	13.1	11.9	17.0	18.2	11.9	27.8
Technical Magazines	T:262	6.5	16.0	14.9	21.8	15.3	25.6
	A: 85	7.1	17.6	12.9	23.5	16.5	22.4
	U:177	6.2	15.3	15.8	20.9	14.7	27.1
Manuals	T:267	19.1	17.6	23.6	13.9	10.5	15.4
	A: 86	15.1	17.4	22.1	15.1	10.5	19.8
	U:181	21.0	17.7	24.3	13.3	10.5	13.3
Motion pictures, videotapes	T:260	4.2	7.7	11.9	20.0	17.3	38.8
	A: 85	3.5	7.1	9.4	20.0	17.6	42.4
	U:175	4.6	8.0	13.1	20.0	17.1	37.1
Newsletters	T:260	2.7	7.7	17.7	21.9	18.1	31.9
	A: 84	2.4	8.3	19.0	21.4	17.9	31.0
	U:176	2.8	7.4	17.0	22.2	18.2	32.4
News Releases	T:262	2.7	5.3	13.4	17.6	17.6	43.5
	A: 85	-	8.2	12.9	20.0	15.3	43.5
	U:177	4.0	4.0	13.6	16.4	18.6	43.5
Preprints, manuscripts, correspondence, reports	T:265	8.7	15.5	21.5	19.6	13.6	21.1
	A: 84	8.3	17.9	21.4	13.1	19.0	20.2
	U:181	8.8	14.4	21.5	22.7	110.0	21.5
Reports(Technical)	T:263	17.9	19.4	19.4	20.9	9.1	13.3
	A: 86	24.4	18.6	19.8	18.6	5.8	12.8
	U:177	14.7	19.8	19.2	22.0	10.7	13.6
Tape Cassettes	T:257	1.9	3.1	6.2	13.2	17.9	57.6
	A: 83	2.4	2.4	4.8	8.4	21.7	60.2
	U:174	1.7	3.4	6.9	15.5	16.1	56.3

Table B-21

Q. 8 For each category of publications listed below, check the way in which you usually read it.

		Books		Bulletins (technical)		Corps Directives & Guidelines		Scientific Journals		Trade & Technical Magazines		Newsletters		Technical Reports	
		#		#		#		#		#		#		#	
# Answering	T:	335	=100%	329	=100%	332	=100%	330	=100%	331	=100%	328	=100%	330	=100%
	A:	95	=100%	95	=100%	95	=100%	94	=100%	95	=100%	94	=100%	95	=100%
	U:	240	=100%	234	=100%	237	=100%	236	=100%	236	=100%	234	=100%	235	=100%
Read in Entirety	T:	51	15.2	68	20.7	185	55.7	10	3.0	24	7.3	75	22.9	89	27.0
	A:	12	12.6	12	12.6	53	55.8	1	1.1	6	6.3	21	22.3	23	24.2
	U:	39	16.2	56	23.9	132	55.7	9	3.8	18	7.6	54	23.1	66	28.1
Scan for general information	T:	97	29.0	122	37.1	71	21.4	107	32.4	133	40.2	122	37.2	104	31.5
	A:	32	33.7	40	42.1	16	16.8	30	31.9	42	44.2	37	39.4	34	35.8
	U:	65	27.1	82	35.0	55	23.2	77	32.6	91	38.6	85	36.3	70	29.8
Scan for specific interest item	T:	156	46.6	122	37.1	71	21.4	163	49.4	145	43.8	92	28.0	122	37.0
	A:	39	41.1	39	41.1	25	26.3	55	58.5	41	43.2	29	30.9	38	40.0
	U:	117	48.7	83	35.5	46	19.4	108	45.0	104	44.1	63	26.9	84	35.7
Seldom Utilize	T:	31	9.3	17	5.2	5	1.5	50	15.2	29	8.8	39	11.9	15	4.5
	A:	12	12.6	4	4.2	1	1.1	8	8.5	6	6.3	7	7.4	0	.0
	U:	19	7.9	13	5.6	4	1.7	42	17.8	23	9.7	32	13.7	15	6.4

Table B-22

Q. 10a Estimate how much time per month you spend reading all kinds of publications (ie; novels, newspapers, newsletters, magazines technical journals, textbooks etc.) at home or work?

	Total	Aware	Unaware
Number of Respondents	336	95	241
Number Answering	335	95	240
	100%	100%	100%
Hours	%	%	%
1 - 15	14.6	9.5	16.7
16 - 30	19.7	17.9	20.4
31 - 45	17.3	15.8	17.9
46 - 60	18.8	22.1	17.5
61 - 75	9.3	11.6	8.3
76 - 90	10.1	12.6	9.2
91 - 105	6.0	8.4	5.0
106 - 120	.9	-	1.3
121 & over	3.3	2.1	2.7

Table B-23

Q. 10b. Of this total time, approximately what percent(%) is spent on job/career information reading at home or work?

	Total	Aware	Unaware
Number of Respondents	332	93	237
None	3.6%	1.1%	4.6%
1 - 10%	24.7	21.5	26.1
11 - 20%	14.7	7.5	17.3
21 - 30%	13.6	10.8	14.8
31 - 40%	9.9	14.0	8.4
41 - 50%	11.4	11.8	11.4
51 - 60%	9.3	12.9	8.0
61 - 70%	6.6	9.7	5.5
71 - 80%	4.5	8.6	3.0
81 & over	1.8	2.2	1.7

Table B-24

10c. If you do job related information reading, what percent of your reading do you do during work hours?

	Total	Aware	Unaware
Number of Respondents	322	90	232
None	1.9%	2.2%	1.7%
5% & under	19.9	12.2	22.8
6 - 10%	16.7	16.6	16.8
11 - 20%	11.8	16.6	9.9
21 - 30%	7.1	7.7	6.9
31 - 40%	4.7	3.3	5.2
41 - 50%	9.3	15.5	6.9
51 - 60%	6.8	7.7	6.5
61 - 70%	10.6	12.1	6.6
71 & over	11.2	11.1	11.2

Table B-25

Q. 11 List the titles of those publications, government and non-government, which you find helpful in terms of your job in the spaces provided below under the column headed a/ "Titles."

	Total	Aware	Unaware
Number Answering	336 100%	95 100%	241 100%
Number of publications listed:	%	%	%
None	24.1	16.8	27.0
1	6.0	4.2	6.6
2	10.1	7.4	11.2
3	10.1	7.4	11.2
4	9.5	10.5	9.1
5	8.3	8.4	8.3
6	6.0	8.4	5.0
7	7.7	9.5	7.1
8	5.7	7.4	5.0
9	2.7	4.2	2.1
10	3.0	3.2	2.9
11	1.8	3.2	1.2
12	0.9	2.1	0.4
13	0.3	1.1	-
14	0.3	-	0.4
15	1.2	3.2	0.4
16	0.9	1.1	0.8
17	0.9	2.1	0.4
18	-	-	-
19	0.3	-	0.4
20	0.3	-	0.4

Q. 11 Table B-26

b. How do you receive the publication?
c. Consider the degree of relevance of content of each publication.

		Read DMRP Bulletin	Read World Dredging	
		Aware of DMRP	Aware of DMRP	Unaware of DMRP
Number of Readers		24	27	18
		100%	100%	100%
Recipient:				
Primary		50.0	33.3	27.8
Secondary		50.0	66.7	72.2
Number of Readers		24	27	18
		100%	100%	100%
Relevance of Content				
Seldom	1	-	-	-
	2	-	-	-
Scale	3	4.1	3.7	5.6
	4	29.2	22.2	38.9
	5	41.7	22.2	16.7
Always	6	5.0	51.9	33.3

Table B-27

Q. 9 Consider your job's information needs, both now and in the future Do you know of any organizational units, such as CERC, CERL, WES or Corps districts, other than your own district, studying and/or working on one or more areas about which you have informational needs.

	Total		Aware		Unaware	
Total	336	100%	95	100%	241	100%
Number Answering	211	100%	92	100%	119	100%
	#	%	#	%	#	%
WES	178	84.4	89	96.7	89	74.8
CERC	40	19.0	17	18.5	23	19.3
CERL	32	15.2	12	13.0	20	16.8
HEC	8	3.8	4	4.4	4	3.4
CRREL	4	1.9	1	1.0	3	2.5
ETL	2	1.0	1	1.1	1	.8
OCE	6	2.8	3	3.5	3	2.5
BERH	6	2.8	2	2.2	4	3.4
IWR	1	0.5	-	-	1	0.8
ARS	1	0.5	-	-	1	0.8
Norfolk District	1	0.5	-	-	1	0.8
No. Pacific Division	1	0.5	-	-	1	0.8
Nuclear Cratering Grp.	1	0.5	-	-	1	0.8
Jacksonville Dist.	1	0.5	-	-	1	0.8
Memphis District	1	0.5	1	1.1	-	-
Other Corps Districts	22	10.4	5	5.4	17	14.3
New Orleans District	2	1.0	1	1.1	1	0.8
Little Rock District	1	0.5	-	-	1	0.8
Department of Transportation	1	0.5	-	-	1	0.8

Q. 9a

Table B-27 (concluded)

	Total		Aware		Unaware	
	#	%	#	%	#	%
LMVD	1	0.5	-	-	1	0.8
SEAP	2	1.0	1	1.1	1	
So. Pacific Dist.	1	0.5	-	-	1	0.8
Sacramento Dist.	1	0.5	-	-	1	0.8
Philadelphia Dist.	3	1.4	-	-	3	2.5
NE District	2	1.0	-	-	2	1.7
Vicksburg	5	2.4	-	-	5	4.2
MRC	1	0.5	-	-	1	0.8
St. Louis	1	0.5	-	-	1	0.8
NY District	2	1.0	-	-	2	1.7
Seattle Portland/	2	1.0	-	-	2	1.7
Districts	2	1.0	-	-	2	1.7
No. Atlantic Div.	1	0.5	1	1.1	-	-
NPW	1	0.5	-	-	1	0.8
EPA	1	0.5	-	-	1	0.8

Identifications of Acronyms Shown in Table B-27

NOTE: Of the acronyms used by some of the survey participants in their responses to Question 9, the following were identified:

WES --- U. S. Army Waterways Experiment Station
CERC --- U. S. Army Costal Engineering Research Center
CERL --- U. S. Army Construction Engineering Research Laboratory
HEC --- U. S. Army Hydrologic Engineering Center
CRREL --- U. S. Army Cold Regions Research and Engineering Laboratory
ETL --- U. S. Army Engineer Topographic Laboratories
OCE --- Office, Chief of Engineers
BERH --- U. S. Army Board of Engineers for Rivers and Harbors
IWR --- U. S. Army Institute for Water Resources
ARS --- Agricultural Research Service
LMVD --- Lower Mississippi Valley Division
MRC --- Mississippi River Commission
EPA --- U. S. Environmental Protection Agency

Table B-28

Q. 9a Consider your job's informational needs, both now and in the future. Do you know of any . . . . . studying and/or working on one or more areas about which you have informational needs? If "Yes", print the name of . . . . subject area(s) being studies or worked on.

	Total	Aware	Unaware
Total	336	95	241
Number answering	173	91	82
Subject area	100%	100%	100%
Categorized:			
DMRP	50.3	95.6	-
Hydraulics subject matter	19.7	14.3	25.9
Soils and pavement subj. matter	4.6	1.1	8.6
All aspects of environmental subj.	13.3	8.8	7.4
Instrumentation/computers	6.4	2.2	18.5
Explosive excavation	1.2	-	11.1
Special proj. plant/workshop	4.6	1.1	2.5
Concrete subject matter	4.6	2.2	8.6
All other than above	18.5	5.5	33.3

Table B-29

Q. 9b. Do you know of any..... effort outside the Corps which is related to an area about which you have informational needs?

	Total	Aware	Unaware
Total Respondents	336	95	241
Number Answering	184	36	148
Subject area categories:	%	%	%
Environmental subjects	36	37	34.5
Dredged material research	16	31	7.5
All other subjects	48	32	58

Table B-30

Q. 17 Have you ever had an opportunity within the last 5 years to avail yourself of any formal or informal educational or training courses conducted directly or sponsored by your District or other Corps element? If "Yes", write the number(s) of courses by general category for each type of administration.

Participation In
Technical/Professional
Educational Opportunities

	District						Other Corps Elements					
	Total		Aware		Unaware		Total		Aware		Unaware	
Total Answering	# 336	% 100	# 95	% 100	# 241	% 100	# 336	% 100	# 95	% 100	# 241	% 100
None Indicated	192	57.1	57	60.9	135	56.0	160	47.6	39	41.1	121	50.2
1	54	16.1	12	12.6	42	17.4	71	21.1	15	15.8	56	23.2
2	37	11.0	14	14.7	23	9.5	46	13.7	18	18.9	28	11.6
3	29	8.6	7	7.4	22	9.1	29	8.6	9	9.5	20	8.3
4	9	2.7	3	3.2	6	2.5	17	5.1	6	6.3	11	4.6
5	6	1.8			6	2.5	9	2.7	7	7.4	2	2.8
6	5	1.5	1	1.1	4	1.7	1	0.3	1	1.1		
7	2	0.6	1	1.1	1	0.4	-	-	-	-	-	-
8	-	-	-	-	-	-	-	0.3	-	-	-	0.4
9	2	0.6	-	-	2	0.8	2	0.6	-	-	2	0.6

Q. 17

Table B-30 (continued)

Participation In
Administrative/Management
Educational Opportunities

	District						Other Corps Elements					
	Total		Aware		Unaware		Total		Aware		Unaware	
Total	#	%	#	%	#	%	#	%	#	%	#	%
Answering	336	100	95	100	241	100	336	100	95	100	241	100
None Indicated	204	60.7	57	60.0	147	61.0	232	69.0	57	60.0	175	72.6
1	56	16.7	15	15.8	41	17.0	62	18.5	20	21.1	42	17.4
2	45	13.4	12	12.6	33	13.7	23	6.8	12	12.6	11	4.6
3	18	5.4	5	5.3	13	5.4	6	1.8	-	-	6	2.5
4	4	1.2	1	1.1	3	1.2	6	1.8	3	3.2	3	1.2
5	5	1.5	4	4.2	1	0.4	7	2.1	3	3.2	4	1.7
6	1	1.3	-	-	1	0.4	-	-	-	-	-	-
7	2	0.6	1	1.1	1	0.4	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	1	0.3	-	-	1	0.4	-	-	-	-	-	-

Q. 17

Table B-30 (concluded)

Participation In
Other
Educational Opportunities

	District						Other Corps Elements					
	Total		Aware		Unaware		Total		Aware		Unaware	
Total	#	%	#	%	#	%	#	%	#	%	#	%
Answering	336	100	95	100	241	100	336	100	95	100	241	100
None Indicated	316	94.0	93	97.9	223	92.5	322	95.8	90	94.7	232	96.3
1	17	5.1	1	1.1	16	6.6	8	2.4	4	4.2	4	1.7
2	2	0.6	1	1.1	1	0.4	4	1.2	1	1.1	3	1.2
3	1	0.3	-	-	1	0.4	1	0.3	-	-	1	0.4
4	-	-	-	-	-	-	1	0.3	-	-	1	0.4

Table B-31

District Receptivity Climate Range

Courses of Study

COURSES	District number	# Answering	Courses not taken	Number of Courses								
				1	2	3	4	5	6	7	8	9
	#	#	%	%	%	%	%	%	%	%	%	%
Technical/Professional	2	126	51.6	12.7	12.7	7.1	4.0	4.8	4.8	.8	.8	.8
by District	9	71	64.8	11.3	15.5	1.4	5.6	1.4	-	-	-	-
Technical/Professional	3	97	37.1	23.7	10.3	11.3	8.2	2.1	3.1	-	1.0	3.1
by other Corps Elements	5	46	73.9	10.9	4.3	2.2	4.3	-	2.2	-	-	2.2
Administrative/Manage-	3	97	54.6	14.4	13.4	8.2	6.2	2.1	-	-	-	1.0
ment by District	5	46	84.8	6.5	6.5	2.2	-	-	-	-	-	-
Administrative/Manage-												
ment by other Corps	3	97	64.9	15.5	8.2	5.2	4.1	-	1.0	-	-	1.0
Districts.	10	42	83.3	7.1	4.8	4.8	-	-	-	-	-	-
Other courses by	3	97	90.7	8.2	-	1.0	-	-	-	-	-	-
Districts	7	46	93.6	2.1	-	2.1	2.1	-	-	-	-	-
Other courses by other	2	126	93.7	4.0	1.6	-	-	-	-	-	-	.8
Corps elements	9	71	100.0	-	-	-	-	-	-	-	-	-

Table B-32

Q. 12 Below is a number of statements about jobs and work. Please indicate the extent to which you agree or disagree with each statement.

Code: T = Total
A = Aware
U = Unaware

		Answering	Agree completely	moderately	slightly	slightly	moderately	Disagree completely
		#	%	%	%	%	%	%
When the workday is finished a person should forget his job and enjoy himself. (1)	T:	339	19.8	37.4	14.9	11.6	9.1	7.3
	A:	95	18.9	35.8	10.5	10.5	13.7	10.5
	U:	234	20.1	38.0	16.7	12.0	7.3	6.0
My job objectives are clear and well defined. (2)	T:	327	27.2	41.6	16.2	7.6	6.1	1.2
	A:	94	29.8	41.5	13.8	6.4	7.4	1.1
	U:	233	26.2	41.6	17.2	8.2	5.6	1.3
A good indication of a man's worth is how well he does his job. (3)	T:	326	39.6	34.0	17.2	3.7	2.1	3.4
	A:	95	40.0	31.6	21.1	2.1	3.2	3.9
	U:	231	39.4	35.6	15.6	4.3	1.7	3.9
Given free choice, I would often use different methods and techniques in my work. (4)	T:	327	23.5	29.1	23.2	8.6	11.0	4.6
	A:	94	21.3	24.0	25.5	8.5	8.5	2.1
	U:	233	24.5	27.0	22.3	8.6	12.0	5.6
The policies and guidelines under which I work are inadequate. (5)	T:	328	7.3	19.2	22.6	11.6	24.4	14.9
	A:	94	9.6	16.0	29.8	6.4	26.6	11.7
	U:	234	6.4	20.5	19.7	13.7	23.5	16.2
Whenever possible, a person should relax and accept life as it is, rather than always strive for unreasonable goals. (6)	T:	327	15.9	16.2	17.7	10.1	23.5	16.5
	A:	94	16.0	17.0	11.7	13.8	26.6	14.9
	U:	233	15.9	15.9	20.2	8.6	22.3	17.2
Some of my work assignments appear trivial. (7)	T:	329	26.1	18.8	24.9	8.2	8.5	13.4
	A:	95	24.2	16.8	27.4	9.5	7.4	14.7
	U:	234	26.9	19.7	23.9	7.7	9.0	12.8
I sometimes receive assignments without sufficient allocation of manpower or other resources to do the job. (8)	T:	326	39.0	24.5	16.9	7.4	7.1	5.2
	A:	94	43.6	20.2	19.1	6.4	6.4	4.3
	U:	232	37.1	26.3	15.9	7.8	7.3	5.6
Wasting time is about as bad as wasting money. (9)	T:	327	70.6	20.2	5.2	0.9	1.2	1.8
	A:	94	68.1	22.3	4.3	-	3.2	2.1
	U:	233	71.7	19.3	5.6	1.3	0.4	1.7

Table B-32 (continued)

Q. 12

		Answering	Agree ← completely	moderately	slightly	slightly	moderately	completely → Disagree
		#	%	%	%	%	%	%
The policies and guidelines under which I work are incompatible. (10)	T:327		4.3	9.5	22.9	12.8	25.1	25.4
	A: 95		4.2	8.4	26.3	10.5	29.5	21.1
	U:232		4.3	9.9	21.6	13.8	23.3	27.2
I have a clear understanding of my responsibilities. (11)	T:328		42.7	38.1	7.6	6.0	3.4	1.2
	A: 95		46.3	41.1	5.3	5.3	2.1	-
	U:233		41.2	36.9	8.6	7.7	3.9	1.7
Hard work makes a man a better person. (12)	T:325		26.2	32.3	21.8	7.7	6.5	5.5
	A: 95		22.1	41.1	21.1	6.3	6.3	3.2
	U:230		27.8	28.7	22.2	8.3	6.5	6.5
I prefer job assignments bearing high levels of responsibility. (13)	T:328		52.1	34.1	10.7	1.8	0.3	0.9
	A: 95		52.6	27.9	9.5	-	-	0.0
	U:233		51.9	32.6	11.2	2.6	0.4	1.3
The jobs and assignments in the district are clearly defined and logically structured. (14)	T:328		9.8	22.6	22.0	20.4	18.3	7.0
	A: 95		8.4	24.2	27.4	22.1	16.8	2.1
	U:233		10.3	21.9	19.7	19.7	19.3	9.0
The philosophy of our top management tends to be conservative; in the long run we get our work done by playing it slow, safe and sure. (15)	T:327		11.3	22.3	21.4	14.4	16.2	14.4
	A: 95		9.5	27.4	18.9	15.8	16.8	11.6
	U:232		12.1	20.3	22.4	13.8	15.9	15.5
Our review and promotion system helps the best man to rise to the top. (16)	T:327		2.8	18.3	14.4	19.6	18.3	26.6
	A: 95		4.2	20.0	15.8	24.2	15.8	20.0
	U:232		2.2	17.7	13.8	17.7	19.4	29.3
Red tape is kept to a minimum. (17)	T:327		3.4	5.8	9.5	17.1	24.8	39.4
	A: 95		3.2	7.4	7.4	18.9	27.4	35.8
	U:232		3.4	5.2	10.3	16.4	23.7	40.9
The division is characterized by a relaxed, easy-going working climate. (18)	T:328		4.6	20.1	16.5	17.4	24.1	17.4
	A: 95		3.2	24.2	15.8	15.8	27.4	13.7
	U:233		5.2	18.5	16.7	18.0	22.7	18.9
We don't rely entirely on individual judgement; everything is double-checked. (19)	T:329		13.7	23.4	21.0	18.5	14.9	8.5
	A: 95		9.5	21.1	26.3	21.1	12.6	9.5
	U:234		15.4	24.4	18.8	17.5	15.8	8.1

Table B-32 (continued)

Q. 12

		# Answering	Agree completely %	moderately %	slightly %	Disagree slightly %	moderatley %	completely %
Immediate management shows an interest in your career aspirations.(20)	TT:	327	15.0	27.5	22.3	12.8	11.6	10.7
	A:	95	15.8	35.8	23.2	11.6	8.4	5.3
	U:	232	14.7	24.1	22.0	13.4	12.9	12.9
There is continual effort to improve our personal and group performance. (21)	T:	328	14.6	30.8	23.2	13.4	9.5	8.5
	A:	95	13.7	37.9	24.2	10.5	8.4	5.3
	U:	233	15.0	27.9	22.7	14.6	9.9	9.9
Frankness is encouraged even if our views may differ from those of our superiors. (22)	T:	328	22.3	31.4	16.8	11.6	8.2	9.8
	A:	95	23.2	34.7	18.9	9.5	6.3	7.4
	U:	233	21.9	30.0	15.9	12.4	9.0	10.7
I feel that I am a member of an effectively functioning team. (23)	T:	329	27.1	31.9	18.2	9.1	7.0	6.7
	A:	95	28.4	35.8	18.9	3.2	8.4	5.3
	U:	234	26.5	30.3	17.9	11.5	6.4	7.3
In the District, it is sometimes unclear who has the Formal decision making authority. (24)	T:	329	11.9	20.1	16.7	7.9	14.3	29.2
	A:	95	9.5	20.0	18.9	9.5	15.8	26.3
	U:	234	12.8	20.1	15.8	7.3	13.7	30.3
Our immediate management is willing to take a change on a good idea. (25)	T:	329	17.0	34.3	21.0	11.2	8.8	7.6
	A:	95	17.9	41.1	18.9	13.7	4.2	4.2
	U:	234	16.7	31.6	21.8	10.3	10.7	9.0
My superior considers it unnecessary that I check every detail with him; if I think I have the right approach I just go ahead. (26)	T:	329	35.3	34.3	12.2	5.2	5.5	7.6
	A:	95	38.9	38.9	6.3	2.1	7.4	6.3
	U:	234	33.8	32.5	14.5	6.4	4.7	8.1
If you make a mistake in the division, you will be reprimanded. (27)	T:	325	4.3	11.7	24.0	14.5	28.9	16.6
	A:	95	2.1	13.7	24.2	18.9	24.2	16.8
	U:	230	5.2	10.9	23.9	12.6	30.9	16.5
Our effectiveness has been enhanced by taking calculated risks at the right time. (28)	T:	326	8.3	22.4	24.5	16.6	11.7	16.6
	A:	95	12.6	27.4	25.3	16.8	6.3	11.6
	U:	231	6.5	20.3	24.2	16.5	13.9	18.6
Excessive rules, administrative details, and red-tape make it difficult for new and original ideas to receive consideration. (29)	T:	326	24.8	22.1	25.5	10.7	10.4	6.4
	A:	94	20.2	25.5	25.5	8.5	13.8	6.5
	U:	232	26.7	20.7	25.4	11.6	9.1	6.5

Table B-32 (continued)

Q. 12

		Answering #	Agree ← completely %	moderately %	slightly %	Disagree → slightly %	moderately %	completely %
Our productivity sometimes suffers from lack of proper planning. (30)	T:	326	22.4	25.2	27.9	10.7	7.4	6.4
	A:	95	16.8	28.4	28.4	11.6	10.5	4.2
	U:	231	24.7	23.8	27.7	10.4	6.1	7.4
The philosophy of our top management emphasizes the human factor, how people feel, etc.(31)	T:	326	4.0	17.2	24.2	18.4	20.2	16.0
	A:	95	6.3	22.1	24.2	20.0	17.9	9.5
	U:	231	3.0	15.2	24.2	17.7	21.2	18.6
Supervision in the division is mainly a matter of setting guidelines for subordinates. (32)	T:	330	9.4	22.7	22.1	12.7	18.2	14.8
	A:	95	7.4	15.8	27.4	17.9	20.0	11.6
	U:	235	10.2	25.5	20.0	10.6	17.4	16.2
Decision making in the division is too cautious for maximum effectiveness.(33)	T:	330	12.1	20.	22.1	15.2	17.9	12.1
	A:	95	8.5	20.0	22.1	15.8	18.9	14.7
	U:	235	13.6	20.9	22.1	14.9	17.4	11.1
You don't get ahead in the division without showing initiative. (34)	T:	326	22.4	36.5	17.5	9.5	8.6	5.5
	A:	95	30.5	36.8	10.5	10.5	7.4	4.2
	U:	231	19.0	36.4	20.3	9.1	9.1	6.1
The policies of the district have been clearly explained. (35)	T:	329	17.9	24.0	19.1	18.2	13.7	7.0
	A:	95	17.9	30.5	17.9	16.8	12.6	4.2
	U:	234	17.9	21.4	19.7	18.8	14.1	8.1
Our top management is less concerned with formal organization and authority than with getting the right people together to do the job. (36)	T:	329	8.8	19.1	22.5	19.5	17.6	12.5
	A:	95	13.7	17.9	30.5	14.7	16.8	6.3
	U:	234	6.8	19.7	19.2	21.4	17.9	15.0

Table B-33

District Receptivity Climate Range

Job and Work Statements

Statement	Agree/Disagree	District No.	%
My job objectives are clear and well formulated. (2)	Agree	10	71.4
		8	48.6
A good indication of a man's worth is how well he does his job. (3)	Agree	10	78.6
		8	49.3
The policies and guidelines under which I work are incompatible. (10)	Disagree	1	57.3
		7	34.8
The jobs and assignments in the District are clearly defined and logically structured. (14)	Agree	12	45.3
		6	14.1
The philosophy of our top management tends to be conservative; in the long run we get our work done by playing it slow, safe, and sure. (15)	Disagree	4	42.2
		11	14.1
Our review and promotion system helps the best man to rise to the top. (16)	Agree	12	27.4
		1	10.7
Red tape is kept to a minimum.(17)	Agree	10	16.7
		2	1.6
The division is characterized by a relaxed, easy going working climate. (18)	Agree	12	39.2
		8	15.6
There is continual effort to improve our personal and group performance (21)	Agree	3	54.3
		11	31.0
Frankness is encouraged, even if our views may differ from those of our superiors. (22)	Agree	10	66.7
		11	33.8

Table B-33 (concluded)

District Receptivity Climate Range

Job and Work Statements

Statement	Agree/Disagree	District No.	%
I feel that I am a member of an effectively functioning team. (23)	Agree	3	67.1
		11	43.7
In the District, it is sometimes unclear who has the formal decision making authority. (24)	Disagree	12	57.1
		6	22.8
If you make a mistake in the division, you will be reprimanded. (27)	Disagree	4	51.4
		11	25.3
Our effectiveness has been enhanced by taking calculated risks at the right time. (28)	Agree	3	41.5
		6	16.5
Excessive rules, administrative details, and red-tape make it difficult for new and original ideas to receive consideration. (29)	Disagree	12	20.2
		6	7.6
Our productivity sometimes suffers from lack of proper planning. (30)	Disagree	4	27.5
		8	2.6
The philosophy of our top management emphasizes the human factor, how people feel, etc. (31)	Agree	3	31.1
		8	8.9
The policies of the District have been clearly explained. (35)	Agree	12	60.2
		6	21.8
Our top management is less concerned with formal organization and authority than with getting the right people together to do the job. (36)	Agree	10	35.7
		6	17.9

Table B-34

Q. 13. Considering your experience in your present position, please indicate the extent to which each listed condition: a. actually exists in your present job, and b. in your opinion should exist in your present job. Respond by circling a number (1 thru 6) which indicates the degree to which a condition or feeling actually exists and to which you believe should exist relative to the following scale definition.

Code: AT = Actually, Total
AA = Actually, Aware
AU = Actually, Unaware
ST = Should, Total
SA = Should, Aware
SU = Should, Unaware

← Scale →

Condition		Answering	Always	Usually	Often	Sometimes	Occasionally	Seldom
		#	%	%	%	%	%	%
Opportunities for growth and development. (1)	AT:327		16.5	24.8	17.4	23.2	10.7	7.3
	AA: 93		17.2	29.0	22.6	16.1	9.7	5.4
	AU:234		16.2	23.1	15.4	26.1	11.1	8.1
	ST:306		62.1	22.2	11.4	2.6	0.7	1.0
	SA: 88		61.4	25.0	12.5	-	-	1.1
	SU:218		62.4	21.0	11.0	3.7	0.9	0.9
The regard received from people in the group. (2)	AT:317		19.2	33.1	27.8	14.2	3.2	2.5
	AA: 92		26.1	33.7	23.9	12.0	2.2	2.2
	AU:225		16.4	32.9	29.3	15.1	3.6	2.7
	ST:294		43.2	35.0	18.4	2.7	0.7	-
	SA: 87		44.8	28.7	20.7	4.6	1.1	-
	SU:207		42.5	37.7	17.4	1.9	0.5	-
Receipt of fair and impartial treatment from my boss. (3)	AT:329		41.6	33.1	12.2	6.7	4.3	2.1
	AA: 94		40.4	36.2	16.0	4.3	1.0	3.2
	AU:235		42.1	31.9	10.6	7.7	6.0	1.7
	ST:299		76.6	18.7	3.7	0.7	0.3	-
	SA: 87		77.0	19.5	2.3	1.1	-	-
	SU:212		76.4	18.4	4.2	0.5	0.5	-
Opportunities to participate in varied activities. (4)	AT:325		24.0	28.0	24.0	12.6	8.6	2.8
	AA: 93		25.8	32.3	24.7	11.8	3.2	2.2
	AU:232		23.2	26.3	23.7	12.9	10.8	3.0
	ST:301		39.5	32.6	22.6	4.7	0.3	0.3
	SA: 88		40.9	33.0	21.6	3.4	-	1.1
	SU:213		39.0	32.4	23.0	5.2	0.5	-

Table B-34 (continued)

Q. 13		Answering	Always	Usually	Often	Sometimes	Occasionally	Seldom
		#	%	%	%	%	%	
Feeling of being adequately informed by my supervisors .(5)	AT:	330	17.3	36.7	19.1	12.1	9.7	5.2
	AA:	93	20.4	39.8	16.1	14.0	6.5	3.2
	AU:	237	16.0	35.4	20.3	11.4	11.0	5.9
	ST:	300	67.3	25.0	4.3	0.7	1.3	1.3
	SA:	88	70.5	23.9	3.4	1.1	1.1	
	SU:	212	66.0	25.5	4.7	0.5	1.4	1.9
The opportunity for promotion within the organization.(6)	AT:	319	13.5	15.4	15.0	19.1	15.7	21.3
	AA:	90	14.4	16.7	21.1	21.1	10.0	16.7
	AU:	229	13.1	14.8	12.7	18.3	17.9	23.1
	ST:	304	51.0	24.0	13.2	9.9	1.3	0.7
	SA:	90	52.2	18.9	15.6	10.0	2.2	1.1
	SU:	214	50.5	26.2	12.1	9.8	0.9	0.5
Opportunities to use one's own capabilities. (7)	AT:	325	29.2	36.9	13.8	11.1	6.5	2.5
	AA:	92	29.3	26.7	6.5	14.1	1.1	2.2
	AU:	233	29.2	33.0	16.7	9.9	8.6	2.6
	ST:	300	61.3	27.0	10.0	1.7	-	-
	SA:	87	58.6	31.0	8.0	2.3	-	-
	SU:	213	62.4	25.4	10.8	1.4	-	-
Opportunity to do a job from begining to end; that is, the chance to do the whole job.(8)	AT:	328	25.9	28.0	22.3	12.2	4.6	7.0
	AA:	93	26.9	33.3	22.6	14.0	2.2	1.1
	AU:	235	25.5	26.0	22.1	11.5	5.5	9.4
	ST:	299	39.5	34.8	18.4	6.0	1.0	0.3
	SA:	86	40.7	38.4	12.8	7.0	1.2	-
	SU:	213	39.0	33.3	20.7	5.6	0.9	0.5
Opportunity to find out how well I am doing.(9)	AT:	324	18.8	28.7	17.3	19.8	8.3	7.1
	AA:	91	19.8	29.7	16.5	19.8	8.8	5.5
	AU:	233	18.5	28.3	17.6	19.7	8.2	7.7
	ST:	299	56.9	24.4	15.1	3.0	0.7	-
	SA:	89	57.3	22.5	15.7	2.2	2.2	-
	SU:	210	56.7	25.2	14.8	3.3	-	-

Table B-34 (concluded)

Q. 13		Answering #	Always %	Usually %	Often %	Sometimes %	Occasionally %	Seldom %
		← Scale →						
Opportunities for participating in the selection of methods and procedures.(10)	AT:	328	20.4	29.9	20.4	14.9	7.0	7.3
	AA:	93	22.6	33.3	18.3	15.1	5.4	5.4
	AU:	235	19.6	28.5	21.3	14.9	7.7	8.1
	ST:	302	37.7	38.1	17.2	5.3	1.0	0.7
	SA:	88	37.5	42.0	13.6	4.5	1.1	1.1
	SU:	214	37.9	36.4	18.7	5.6	0.9	0.5
Opportunities for independent thought and action. (11)	AT:	332	22.6	32.2	19.9	16.3	5.7	3.3
	AA:	94	23.4	35.1	22.3	10.6	6.4	2.1
	AU:	238	22.3	31.1	18.9	18.5	5.5	3.8
	ST:	296	42.2	38.9	15.9	2.7	0.3	-
	SA:	87	42.5	39.1	14.9	2.3	1.1	-
	SU:	209	42.1	38.8	16.3	2.9	-	-
The receipt of reprimands for my errors.(12)	AT:	321	8.7	14.3	9.7	20.6	22.1	24.6
	AA:	92	4.3	18.5	12.0	26.1	19.6	19.6
	AU:	229	10.5	12.7	8.7	18.3	23.1	26.6
	ST:	296	24.7	16.6	12.5	23.6	12.5	10.1
	SA:	87	21.8	19.5	13.8	27.6	11.5	5.7
	SU:	209	25.8	15.3	12.0	22.0	12.9	12.0
Opportunities for participating in or making recommendations with respect to setting of budgets.(13)	AT:	325	20.9	19.7	12.3	16.0	8.0	23.1
	AA:	93	30.1	17.2	12.9	16.1	10.8	12.9
	AU:	232	17.2	20.7	12.1	15.9	6.9	27.2
	ST:	300	26.7	24.0	16.7	16.3	8.0	8.3
	SA:	88	25.2	25.0	18.2	10.2	6.8	4.5
	SU:	212	23.1	23.6	16.0	18.9	8.5	9.9
The freedom to experiment. (14)	AT:	325	10.5	14.8	16.6	23.7	17.8	11.1
	AA:	92	12.0	21.7	17.4	19.6	18.5	10.9
	AU:	233	9.9	12.0	16.3	25.3	17.6	18.9
	ST:	301	16.6	21.3	24.6	26.9	6.6	4.0
	SA:	89	23.6	24.7	23.6	21.3	4.5	2.2
	SU:	212	13.7	19.8	25.0	29.2	7.5	4.7
Receipt of fair and impartial treatment from my co-workers.(15)	AT:	331	42.0	39.3	10.3	4.5	2.4	1.5
	AA:	94	43.6	38.3	11.7	3.2	3.2	-
	AU:	237	41.4	39.7	9.7	5.1	2.1	2.1
	ST:	298	66.8	23.8	6.4	2.0	0.7	0.3
	SA:	87	69.0	19.5	8.0	2.3	1.1	-
	SU:	211	65.9	25.6	5.7	1.9	0.5	0.5

Table B-35

Rank Ordering of Respondents' Ratings
Of Job Condition Prevalence

RANK	CONDITION	% RESPONDENTS
1	Receipt of fair and impartial treatment from co-workers (15)	81.3
2	Receipt of fair and impartial treatment from supervisor (3)	74.7
3	Opportunities to use one's own capabilities (7)	66.1
4	Opportunities for independent thought and action (11)	54.8
5	Feeling of being adequately informed by supervisor and co-workers (5)	54.0
6	Opportunity to do a job from beginning to end (9)	53.9
7	Regard received from people in the group (2)	52.3
8	Opportunities to participate in varied activities (4)	52.0
9	Opportunities for participating in selection of methods (10)	50.3
10	Opportunity to find out how well I am doing (9)	47.5
11	Opportunities for growth and development (1)	41.3
12	Opportunities for participating in budget setting (13)	40.6
13	Opportunity for promotion within the organization (6)	28.9
14	Freedom to experiment (14)	25.3
15	Receipt of reprimands for errors (12)	23.0

Table B-36

Rank Ordering of Respondent Satisfaction/Disatisfaction
With Perceived Job Condition Prevalence

RANK	CONDITION	EXCESS OF "SHOULD" % OVER "ACTUALLY" %
1	Receipt of fair and impartial treatment from co-workers (15)	9.3
2	Opportunities for participating in budget setting (13)	10.1
3	Freedom to experiment (14)	12.6
4	Receipt of reprimands for errors (12)	18.3
5	Opportunities to participate in varied activities (4)	20.1
6	Opportunity to do a job from beginning to end (8)	20.4
7	Receipt of fair and impartial treatment from supervisor (3)	20.6
8	Opportunities to use one's own capabilities (7)	22.2
9	Opportunities for participating in section of methods (10)	25.5
11	Opportunities for independent thought and action (11)	26.3
12	Opportunity to find out how well I am doing (9)	33.8
13	Feeling of being adequately informed by supervisor and co-workers (5)	38.3
14	Opportunities for growth and development (1)	43.0
15	Opportunity for promotion within the organization (6)	46.1

Table B-37

Rank Ordering of Importance Assigned to Job Conditions by Non-P* Respondents

RANK	CONDITION	RELATIVE IMPORTANCE RATING
1	Freedom to experiment (14)	17
2	Opportunities for participating in budget setting (13)	17
3	Receipt of reprimands for errors (12)	26
4	Opportunities to participate in varied activities (4)	42
5	Opportunity to do a job from beginning to end (8)	44
6	Receipt of fair and impartial treatment from co-workers (15)	47
7	Opportunities for growth and development (1)	50
8	Opportunities for participating in selection of methods (10)	51
9	Regard received from people in the group (2)	54
10	Opportunities for independent thought and action (11)	58
11	Opportunity to find out how well I am doing (9)	64
12	Opportunity for promotion within the organization (6)	65
13	Opportunities to use one's own capabilities (7)	65
14	Receipt of fair and impartial treatment from supervisor (3)	81
15	Feeling of being adequately informed by supervisor and co-workers (5)	83

NOTE: Non-P respondents are those who did not consider the condition to be prevalent.

Table B-38

Q. 14 Some factors often used by organizations in awarding promotions are listed below. Please indicate how important, in your opinion your division considers each of these factors in considering you for promotion. Use this six-point scale to indicate the degree of importance of each factor in the promotion decision.

Code: T = Total
A = Aware
U = Unaware

		Answering #	←Important→ Extremely %	Quite %	Moderately %	←Unimportant→ Moderately %	Quite %	Extremely %
Length of service in the Corps. (1)	T:	330	8.2	23.3	38.8	15.2	9.4	5.2
	A:	92	10.9	21.7	41.3	15.2	7.6	3.3
	U:	238	7.1	23.9	37.8	15.1	10.1	5.9
Education/training/experience. (2)	T:	330	31.2	40.6	17.9	5.2	2.7	2.4
	A:	92	35.9	43.5	17.4	2.2	1.1	-
	U:	238	29.4	39.5	18.1	6.3	3.4	3.4
Quality of job performance. (3)	T:	330	43.3	26.1	20.6	5.8	2.1	2.1
	A:	92	46.7	22.8	26.1	2.2	2.2	-
	U:	238	42.0	27.3	18.5	7.1	2.1	2.9
Productivity on the job. (4)	T:	330	37.3	27.9	21.8	6.7	3.9	2.4
	A:	92	42.4	26.1	23.9	4.3	3.3	-
	U:	238	35.3	38.6	21.0	7.6	4.2	3.4
Effort expended on the job. (5)	T:	331	24.5	29.9	28.1	10.9	4.5	2.1
	A:	93	29.0	22.6	33.1	10.8	3.2	1.1
	U:	238	22.7	32.8	26.1	10.9	5.0	2.5
Contribution to technical knowledge. (6)	T:	331	12.4	31.7	31.1	14.5	6.9	3.3
	A:	93	15.1	25.8	36.6	11.8	9.7	1.1
	U:	238	11.3	34.0	29.0	15.5	5.9	4.2
Dependability on the job. (7)	T:	331	40.8	32.3	15.7	6.0	3.0	2.1
	A:	93	46.2	24.7	20.4	5.4	3.2	-
	U:	238	38.7	35.3	13.9	6.3	2.9	2.9
Commonsense on the job. (8)	T:	331	39.0	31.1	18.1	6.3	3.6	1.8
	A:	93	45.2	25.8	20.4	4.3	4.3	-
	U:	238	36.6	33.2	17.2	7.1	3.4	2.5
Personality on the job. (9)	T:	331	22.7	40.2	24.5	7.3	3.3	2.1
	A:	93	17.2	43.0	28.0	9.7	2.2	-
	U:	238	24.8	39.1	23.1	6.3	3.8	2.9
Initiative on the job. (10)	T:	330	34.5	34.2	20.6	6.1	3.0	1.5
	A:	93	36.6	32.3	26.9	2.2	2.2	-
	U:	237	33.8	35.0	18.1	7.6	3.4	2.1
Cooperation with others on the job. (11)	T:	331	35.6	37.5	17.5	6.0	1.5	1.8
	A:	93	33.3	37.6	30.4	5.4	3.2	-
	U:	238	36.3	37.4	16.4	6.3	0.8	2.5

Table B-39

Rank Ordering of Respondents' Ratings of Job Promotion Factors

RANK	FACTOR	% RESPONDENTS
1	Dependability on the job (7)	73.1
2	Cooperation with others on the job (11)	73.1
3	Education, training and experience (2)	71.8
4	Judgment and commonsense on the job (8)	70.1
5	Quality of job performance (3)	69.4
6	Initiative on the job (10)	68.7
7	Productivity on the job (4)	65.2
8	Personality on the job (9)	62.9
9	Effort expended on the job (5)	54.4
10	Contribution to scientific/technical knowledge (6)	44.0
11	Length of service in the Corps	31.5

Table B-40

Q15 How do you rate yourself relative to most of the others in your district with comparable managerial, professional, or technical duties? Please rate each of the items below relative to the following six point scale. For each item, circle only one value.

Code: T = Total
A = Aware
U = Unaware

		Answering	Scale: Outstanding	Excellent	Very Good	Good	Fair	Poor
		#	%	%	%	%	%	%
Quality of job performance. (1)	T:	333	17.1	41.4	33.0	8.1	0.3	-
	A:	93	19.4	48.4	29.0	3.2	-	-
	U:	240	16.2	38.7	34.6	10.0	0.4	-
Productivity on the job. (2)	T:	332	20.2	42.2	27.7	8.9	1.2	-
	A:	93	22.6	43.0	24.7	9.7	-	-
	U:	239	21.3	43.1	27.2	7.5	0.8	-
Effort expended on the job. (3)	T:	332	24.1	41.6	26.5	7.2	0.6	-
	A:	93	36.2	37.6	24.7	6.5	-	-
	U:	239	21.3	43.1	27.2	7.5	0.8	-
Dependability on the job. (4)	T:	332	48.8	38.0	11.7	1.5	-	-
	A:	93	52.7	34.0	9.7	3.2	-	-
	U:	239	47.3	39.3	12.6	0.8	-	-
Knowledge on the job. (5)	T:	332	25.9	40.4	26.5	7.2	-	-
	A:	93	32.2	38.7	21.5	7.5	-	-
	U:	239	23.4	41.0	28.5	7.1	-	-
Commonsense on the job. (6)	T:	332	29.2	43.7	21.7	4.8	-	-
	A:	93	36.6	43.0	15.1	5.4		-
	U:	239	26.4	43.9	29.3	4.6	0.8	-
Personality on the job. (7)	T:	332	19.9	32.2	31.3	15.1	1.2	0.3
	A:	93	16.1	31.2	32.3	18.3	2.2	-
	U:	239	21.3	32.6	31.0	13.8	0.8	0.4
Ability to learn from the job. (8)	T:	333	28.2	40.2	24.3	6.0	1.2	-
	A:	93	32.3	46.2	16.1	4.3	1.1	-
	U:	240	26.7	37.9	27.5	6.7	1.3	-
Initiative on the job. (9)	T:	332	30.4	40.1	19.0	9.0	1.5	-
	A:	93	34.4	44.1	12.9	7.5	1.1	-
	U:	239	28.9	38.5	21.3	9.6	1.7	-
Cooperation with others on the job. (10)	T:	333	39.0	35.7	18.0	6.3	0.9	-
	A:	93	34.4	40.9	16.1	7.5	1.1	-
	U:	240	40.8	33.7	18.8	5.8	0.8	-
Overall job effectiveness. (11)	T:	332	19.3	45.8	26.8	7.5	0.6	-
	A:	93	20.4	51.6	21.5	6.5	-	-
	U:	239	18.8	43.5	28.9	7.9	0.8	-

Table B-41

Q. 16 To the right are listed trait descriptions which many people consider to be requirements for success. Considering your present position, please rank these from the one you regard most necessary through those you believe least necessary for success. Assign the number 1 to most necessary, number 2 to the next most and so on to number 12 for the least necessary trait.

Code: T = Total
A = Aware
U = Unaware

		Adaptable #	Agreeable #	Cautious #	Cooperative #	Decisive #	Efficient #	Forceful #	Imaginative #	Independent #	Intelligent #	Self-Confident #	Tactful #
Number Answering	T:	328	328	329	329	328	329	329	328	330	329	329	330
	A:	92	92	93	92	92	93	93	92	93	93	93	93
	U:	236	236	236	237	236	236	236	236	237	236	236	237
Rank #		%	%	%	%	%	%	%	%	%	%	%	%
1	T:	10.4	3.0	0.6	7.0	9.1	22.5	1.8	4.0	1.8	33.4	15.8	4.8
	A:	9.8	2.2	-	4.3	10.9	21.5	3.2	6.5	3.2	41.9	10.8	3.2
	U:	10.6	3.4	0.8	8.0	8.5	22.9	1.3	3.0	1.3	30.1	17.8	5.5
2	T:	7.0	1.2	1.2	10.9	11.0	19.8	1.8	12.8	3.0	17.6	10.6	6.1
	A:	4.3	1.1	2.2	10.9	17.4	19.4	1.1	12.0	.0	15.1	16.1	4.3
	U:	8.1	1.3	0.8	11.0	8.5	19.9	2.1	13.1	4.2	18.6	8.5	6.8
3	T:	9.5	4.6	1.2	8.5	12.5	14.0	4.9	7.3	3.6	15.8	11.2	8.5
	A:	8.7	3.3	-	6.5	12.0	15.1	3.2	12.0	5.4	17.2	16.1	4.3
	U:	9.7	5.1	1.7	9.3	12.7	13.6	5.5	5.5	3.0	15.3	9.3	10.1
4	T:	9.5	3.7	3.0	12.5	13.7	14.6	2.7	11.3	4.5	6.7	10.3	7.6
	A:	25.8	-	1.1	7.6	14.1	20.4	6.5	10.9	5.4	6.5	8.6	9.7
	U:	74.2	5.1	3.8	14.3	13.6	12.3	1.3	11.4	4.2	6.8	11.0	6.8
5	T:	9.5	5.5	2.4	13.1	9.5	7.3	6.7	10.7	6.1	7.6	12.8	7.9
	A:	8.7	2.2	1.1	12.0	8.7	5.4	7.5	16.3	11.8	7.5	11.8	4.3
	U:	9.7	6.8	3.0	13.5	9.7	8.1	6.4	8.5	3.8	7.6	13.1	9.3

Table B-41 (concluded)

Q. 16

Rank #		Adaptable %	Agreeable %	Cautious %	Cooperative %	Decisive %	Efficient %	Forceful %	Imaginative %	Independent %	Intelligent %	Self-Confident %	Tactful %
6	T:	10.1	6.4	2.7	9.1	8.2	4.3	9.4	7.0	7.0	7.0	12.2	15.8
	A:	14.1	2.2	2.2	9.8	5.4	7.5	5.4	8.7	9.7	5.4	12.9	15.1
	U:	8.5	8.1	3.0	8.9	9.3	3.0	11.0	6.4	5.9	7.6	11.9	16.0
7	T:	9.1	7.6	3.0	12.2	7.6	6.4	7.3	10.4	7.6	4.9	8.8	13.0
	A:	6.5	7.6	3.2	14.1	10.9	3.2	5.4	8.7	8.6	3.2	9.7	17.2
	U:	10.2	7.6	3.0	11.4	6.4	7.6	8.1	11.0	7.2	5.5	8.5	11.4
8	T:	10.4	11.6	3.6	9.1	10.7	4.6	6.1	11.6	7.6	2.7	7.3	12.0
	A:	10.9	7.6	3.2	12.0	5.4	2.2	5.4	12.0	14.0	2.2	5.4	15.1
	U:	10.2	13.1	3.8	8.0	12.7	5.5	6.4	11.4	5.1	3.0	8.1	11.0
9	T:	9.1	13.1	4.9	7.6	6.1	4.0	15.8	7.9	14.2	0.9	4.6	8.8
	A:	8.7	16.3	4.3	8.7	3.3	3.2	15.1	6.5	10.8	1.1	7.5	10.8
	U:	9.3	11.9	5.1	7.2	7.2	4.2	16.1	8.5	15.6	0.8	3.4	8.0
10	T:	8.8	14.6	14.3	7.6	4.9	1.8	11.2	7.9	12.4	1.8	3.3	8.5
	A:	13.0	19.6	9.7	13.0	25.0	2.2	14.0	5.4	4.3	-	-	10.8
	U:	7.2	12.7	16.1	5.5	75.0	1.7	10.2	8.9	15.6	2.5	4.7	7.6
11	T:	4.9	19.2	23.1	1.8	5.2	0.6	13.1	5.2	16.4	0.9	1.8	4.8
	A:	6.5	23.9	23.7	-	6.5	-	12.9	1.1	17.2	-	1.1	4.3
	U:	4.2	17.4	22.9	2.5	4.7	0.8	13.1	6.8	16.0	1.3	2.1	5.1
12	T:	1.8	9.5	39.8	0.6	1.5	0.3	19.1	4.0	15.8	0.6	1.2	2.1
	A:	-	14.1	49.5	1.1	1.1	-	20.4	-	9.7	-	-	1.1
	U:	2.5	7.6	36.0	0.4	1.7	0.4	18.6	5.5	18.1	0.8	1.7	2.5

Table B-42

Inner Directed vs Other-Directed Work Orientation

Traits Suggesting Inner Directedness

TRAIT	% DMRP AWARE	% DMRP UNAWARE
Decisive	28.3	17.0
Forceful	4.3	3.4
Imaginative	18.5	16.1
Independent	3.2	5.5
Self-Sufficient	26.9	26.3
	81.2	68.3

Traits Suggesting Other Directedness

TRAIT	% DMRP AWARE	% DMRP UNAWARE
Adaptable	14.1	18.7
Agreeable	5.5	4.7
Cautious	2.2	1.6
Cooperative	17.4	19.0
Tactful	7.5	12.3
	46.7	56.3

Table B-43

Respondent Work Orientation Scores

		Total		Aware		Unaware	
		#	%	#	%	#	%
Number Answering		319	100	91	100	227	100
Highly Inner Directed	35	10	3.1	5	5.5	5	2.2
	34	8	2.5	3	3.3	5	2.2
	33	5	1.6	3	3.3	2	0.9
	32	6	1.9	2	2.2	4	1.8
	31	10	3.1	5	5.5	5	2.2
	30	17	5.3	7	7.7	10	4.4
	29	11	3.4	3	3.3	8	3.5
	28	19	6.0	8	8.8	11	4.8
	27	27	8.5	7	7.7	20	8.8
	26	14	4.4	2	2.2	12	5.3
	25	19	6.0	8	8.8	11	4.8
Scale	24	19	6.0	6	6.6	13	5.7
	23	20	6.3	7	7.7	13	5.7
	22	23	7.8	7	7.7	16	7.0
	21	25	7.9	4	4.4	21	9.3
	20	18	5.6	2	2.2	16	7.0
	19	9	2.8	2	2.2	7	3.1
	18	16	5.0	5	5.5	11	4.8
	17	9	2.8	1	1.1	8	3.5
	16	10	3.1	3	3.3	7	3.1
	15	8	2.5	1	1.1	7	3.1
	14	4	1.3	-	-	4	1.8
	12	1	0.3	-	-	1	0.4
	11	3	0.9	-	-	3	1.3
Highly Other Directed	10	7	2.2	-	-	7	3.1

Table B-44

Q. 18. Does the nature of your job afford you opportunities for working contacts, personal or telephone, with non-Corps government and/or non-governmental personnel? If "Yes" indicate with which of the organizational groups listed you have had working contact.

	Total	Aware	Unaware
Survey Respondents:	336=100%	95=100%	241=100%
Federal:			
Enviromental Protection Agency (EPA)	184 54.8	75 78.9	109 45.2
National Marine Fisheries Service (NMFS)	107 31.8	59 62.1	48 19.9
National Oceanic and Atmospheric Administration (NOAA)	95 28.3	46 48.4	49 20.3
National Park Service (NPS)	92 27.4	39 41.1	53 22.0
U.S. Department of Transportation (DOT)	121 36.0	44 46.3	77 32.0
U.S. Fish and Wildlife Service (FWS)	175 52.1	75 78.9	100 41.5
U.S. Geological Survey (USGS)	121 36.0	44 46.3	77 32.0
U.S. Navy (USN)	65 19.3	26 27.4	39 16.2
Regional and State Agencies:			
Conservation or Water Resources	147 40.8	53 55.8	94 37.0
Port Development	128 38.1	55 57.9	73 30.3
Environmental Protection and Pollution Control	141 42.0	62 65.3	79 32.8
Game, Fishery and Wildlife	165 49.1	68 71.6	97 40.3
Planning Commission	112 33.3	38 40.0	54 22.4
Non-Government:			
Architecture, engineering or environmental engineering firms	214 66.7	78 82.1	136 56.4
Attorneys and legal profession	115 34.2	47 49.5	68 28.2
Conservation, environmental groups	181 53.9	61 64.2	120 49.9
Construction industry	139 41.4	64 67.4	75 31.1
Information service: libraries,etc.	101 30.1	34 35.8	67 27.8
News media, journalists, technical writers	132 39.3	51 53.7	81 33.6
Testing laboratories	102 30.4	35 36.8	67 27.8
University institution or research center	119 35.4	55 57.9	64 26.6

Table B-45

Q. 18b. Which three (3) listed adjectives best characterize your impression of the groups.

Federal:	Environmental Protection Agency			National Marine Fisheries Service			National Oceanic & Atmospheric Administration		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	184 100%	75 100%	109 100%	107 100%	59 100%	48 100%	95 100%	46 100%	49 100%
	%	%	%	%	%	%	%	%	%
Impartial	15.8	18.6	13.7	46.7	27.1	70.8	52.6	58.6	46.9
Informative	44.0	46.6	42.2	33.6	35.6	31.2	78.9	78.3	79.6
Helpful	46.7	52.0	43.1	47.6	50.8	43.7	74.7	76.1	73.5
Influential	35.3	44.0	29.3	24.3	32.2	14.6	13.7	17.4	10.2
Persuasive	11.9	8.0	14.7	6.5	6.7	6.2	5.2	10.9	-
Powerful	22.2	20.0	23.8	7.4	6.7	8.3	3.1	2.1	4.0
Obstructive	21.2	30.6	14.7	23.3	30.5	14.5	2.1	-	2.0
Persistent	16.8	14.6	18.3	25.2	32.2	16.6	8.4	8.6	8.2
Demanding	28.3	30.6	26.6	25.2	32.2	16.6	3.1	2.1	4.0

Q. 18b

Table B-45 (continued)

Federal:	National Park Service			U.S. Department of Transportation			U.S. Fish & Wildlife Service		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	92 100%	39 100%	53 100%	85 100%	42 100%	43 100%	175 100%	75 100%	100 100%
Impartial	42.4	51.2	35.8	47.0	42.8	51.1	11.4	8.0	14.0
Informative	70.6	76 9	66.0	78.8	80.9	76 7	42.3	38.7	45.0
Helpful	66.3	74.3	60.4	82.3	83.3	81.3	45.1	41.3	48.0
Influential	22.8	20.5	24.5	18.8	16.6	20.9	29.1	30.7	28.0
Persuasive	6.5	7.7	5.7	8.2	9.5	6.9	9.7	13.3	7.0
Powerful	6.5	2.6	9.4	8.2	4.7	11.6	13.7	17.3	11.0
Obstructive	9.7	5.1	13.2	2.3	-	4.6	30.3	37.3	28.0
Persistent	16.3	15.4	16.9	2.3	2.3	2.3	25.7	30.7	22.0
Demanding	15.2	7.8	20.7	4.7	4.7	4.6	37.0	42.7	33.0

Q. 18b.

Table B-45 (continued)

Federal:	U.S. Geological Survey			U.S. Navy			Regional & State Agencies: Conservation or Water Resources		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	121 100%	44 100%	77 100%	65 100%	26 100%	39 100%	147 100%	53 100%	94 100%
Impartial	54.5	56.8	53.2	47.6	61.5	38.5	21.9	17.0	22.3
Informative	80.9	84.1	79.2	70.8	80.8	64.1	53.2	67.9	39.4
Helpful	80.1	84.1	77.9	75.4	80.8	71.8	61.3	62.2	54.2
Influential	12.4	11.4	13.0	13.8	11.5	15.4	35.8	37.7	30.8
Persuasive	4.9	9.1	2.6	10.8	11.5	15.4	8.0	3.8	9.6
Powerful	4.1	4.5	3.9	3.1	-	5.1	13.9	18.8	9.6
Obstructive	1.6	2.3	1.3	-	-	-	11.7	15.1	9.6
Persistent	1.6	2.3	1.3	4.6	7.7	2.6	16.0	21.0	11.7
Demanding	1.6	-	2.6	10.8	7.7	12.8	16.0	17.0	13.8

Q. 18b.

Table B-45 (continued)

Regional Study

Regional & State Agency	Port Development			Environment Protection/ Pollution Control			Game, Fishery or Wildlife		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	128	55	73	141	62	79	165	68	97
	100%	100%	100%	100%	100%	100%	100%	100%	100%
Impartial	21.9	16.4	26.0	17.7	16.1	18.9	15.7	13.2	17.5
Informative	67.1	60.0	58.9	51.8	61.3	44.3	51.5	57.4	47.4
Helpful	70.3	72.7	68.4	51.8	48.4	54.4	28.5	48.6	46.4
Influential	39.8	45.4	35.6	29.1	30.6	27.8	29.7	30.8	28.9
Persuasive	10.1	7.3	12.3	6.4	3.2	8.9	10.3	14.7	7.2
Powerful	11.7	14.5	9.6	17.7	19.4	16.5	10.9	11.7	10.3
Obstructive	2.3	1.8	2.7	14.9	16.1	13.9	23.0	36.8	2.2
Persistent	11.7	12.7	10.9	14.9	22.6	21.5	15.1	26.5	17.5
Demanding	10.1	10.9	9.6	20.6	27.4	15.2	29.7	32.4	27.8

Q. 18b.

Table B-45 (continued)

	Regional & State Agency: Planning Commission			Non - Government: Architecture, Engineering or Environmental Engineering			Non - Government: Attorneys and Legal Profession		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	92 100%	38 100%	54 100%	214 100%	78 100%	136 100%	115 100%	47 100%	68 100%
Impartial	23.2	31.6	25.9	35.3	39.7	35.3	21.7	25.5	19.1
Informative	53.6	71.1	61.1	67.8	76.9	67.6	38.2	38.3	38.2
Helpful	55.4	63.2	70.4	67.0	71.8	69.1	27.8	12.8	23.5
Influential	23.2	26.3	29.6	10.3	12.8	9.5	32.2	31.9	32.3
Persuasive	13.4	18.4	14.8	14.7	16.6	14.7	20.9	21.3	20.6
Powerful	4.5	10.5	1.9	3.1	1.3	4.4	8.7	8.5	8.8
Obstructive	5.4	7.9	5.6	4.0	3.8	4.4	40.9	59.6	27.9
Persistent	8.9	13.2	9.3	15.6	16.6	16.1	20.0	19.1	20.6
Demanding	6.3	5.3	9.3	9.4	11.5	8.8	38.2	44.7	33.8

Q. 18b.

Table B-45 (continued)

	Non-Government								
	Conservation, Enviromental Groups			Construction Industry			Information Service, Libraries, etc.		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	181 100%	61 100%	120 100%	139 100%	64 100%	75 100%	101 100%	34 100%	67 100%
Impartial	6.5	4.7	8.0	24.3	27.9	22.5	58.4	67.6	53.7
Informative	18.7	14.1	22.7	56.9	60.7	46.7	81.1	79.4	82.1
Helpful	12.9	12.5	13.3	60.8	65.6	58.3	78.2	29.4	77.6
Influential	21.6	20.3	22.7	23.8	39.3	24.2	7.9	2.9	10.4
Persuasive	13.7	17.2	10.6	16.0	16.4	15.8	2.9	2.9	3.0
Powerful	14.4	12.5	16.0	16.6	19.7	15.0	-	-	-
Obstructive	58.9	57.8	60.0	5.0	1.6	6.7	1.0	2.9	-
Persistent	49.6	57.8	42.7	17.7	16.4	18.3	2.0	5.9	-
Demanding	53.9	62.5	46.7	11.6	6.6	14.2	2.0	2.9	1.5

Q. 18b.

Table B-45 (concluded)

	Non-Government								
	News Media			Testing Laboratories			University, Institute or Research Center		
	Total	Aware	Unaware	Total	Aware	Unaware	Total	Aware	Unaware
Number Answering	132	51	81	102	35	67	119	55	64
	100%	100%	100%	100%	100%	100%	100%	100%	100%
Impartial	20.5	23.5	18.5	63.7	74.3	58.2	43.7	45.5	42.2
Informative	38.6	39.2	38.3	73.5	77.1	71.6	85.7	81.8	89.1
Helpful	35.6	21.6	32.1	85.3	82.9	86.6	73.9	69.1	78.1
Influential	42.4	43.1	42.0	4.9	-	-	21.0	18.2	23.4
Persuasive	11.3	11.8	11.1	1.0	-	-	7.6	7.3	7.8
Powerful	17.4	11.8	21.0	-	-	-	1.7	1.8	1.6
Obstructive	18.1	17.6	18.5	-	-	-	2.5	5.5	-
Persistent	36.3	52.9	25.9	-	-	-	7.6	16.4	-
Demanding	22.7	23.5	22.2	-	-	-	6.7	10.9	3.1

Table B-46

QUESTION 2A. HAVE YOU EVER HAD AN OPPORTUNITY TO SUGGEST NEW OR DIFFERENT TECHNIQUES, METHODS, PROCEDURES, ETC. TO DREDGING OR DISPOSAL OPERATIONS?

	TOTAL		DMRP Bulletin DOES READ		DOES NOT READ	
Number of Respondents	134		77		55	
Number Answering	134	100%	77	100%	55	100%
Yes	70	52	46	60	23	42
No	63	47	30	39	32	58

Table B-47

QUESTION 2B. COULD YOU TELL ME WHAT INITIATED THE ACTION. WAS IT TAKEN IN RESPONSE TO A REQUEST OR WAS IT YOUR OWN IDEA?

	TOTAL	
Number of Respondents	134	
Number Answering	69	100%
Request	42	62
Own Idea	27	40

Table B-48

QUESTION 2D. DO YOU KNOW OF ANY MODIFICATION OR RECENT CHANGE IN THE WAY THE DISTRICT CONDUCTS DREDGED MATERIAL DISPOSAL OPERATIONS?

	TOTAL	
Number of Respondents	134	
Number Answering	76	100%
Yes	39	51
No	37	48

Table B-49

QUESTION 3A. CAN YOU RECALL ANY METHOD, PROCEDURE OR APPROACH TO A CORPS ENGINEERING OR CONSTRUCTION PROJECT FOR WHICH YOU MADE A SUGGESTION OR RECOMMENDATION?

	TOTAL	
Number of Respondents	134	
Number Answering	129	100%
Yes	53	41
No	76	59

Table B-50

QUESTION 3D. WHAT PROMPTED IDEA?

	TOTAL	
Number of Respondents	134	
Number Answering	51	100%
Time and/or cost saving	15	29
Previous personal experience	9	18
Recognized area of improvement	6	12
Environmental considerations	7	14
Correspondence with local sponsors	1	2
Congressional inquiry into current practices	3	6
Water quality control requirements	1	2
New analytical tools	1	2
Increased permit process activity	1	2
Assessment of proposed sites	3	6
Time and staff constraints	2	4
Need to keep navigation channels open	1	2
Answer not substantive	1	2

Table B-51

QUESTION 4A. CAN YOU CITE AN INSTANCE IN WHICH YOU, EITHER AS AN INDIVIDUAL OR AS PART OF A GROUP, FOUND IT DIFFICULT TO PROVIDE SCIENTIFIC OR ENGINEERING SUPPORT FOR A DREDGING OR DISPOSAL ALTERNATIVE BECAUSE OF INSUFFICIENT DATA OR INFORMATION?

	TOTAL	
Number of Respondents	134	
Number Answering	133	100%
Yes	63	47
No	70	53

Table B-52

QUESTION 6A. FROM YOUR KNOWLEDGE OF DREDGING ACTIVITIES, IS IT YOUR IMPRESSION THAT THERE ARE OR ARE NOT, NEW TRENDS, EITHER DEVELOPING OR OCCURRING IN DREDGED MATERIAL DISPOSAL APPROACHES AND PROCEDURES?

	TOTAL	
Number of Respondents	134	
Number Answering	129	100%
Yes, occurring	116	90
No, are not occurring	13	10

Table B-53

QUESTION 6B. WHAT IN YOUR OPINION ARE THE NEW TRENDS AND WHAT FACTORS DO YOU THINK HAVE STIMULATED THEIR DEVELOPMENT?

	TOTAL	
Number of Respondents	134	
Number Answering	116	100%
Marsh develop; wildlife habitat	26	22
Better use of dredged material	32	27
Environmental considerations	20	17
Disposal site creation in waterbodies	11	9
New dredging methods	4	3
Diked contained areas	14	12
New disposal areas methods	19	17
Development of guidelines for disposal site relocation	2	2
Change open water or wetlands to dry land disposal sites	11	10
Restoration treatment of dredged material	7	6
Detailed analysis of disposal areas	1	1
Methods for handling marshland protection	4	3
Evaluation of dredged material for specific uses	3	3
Answers not substantive	7	6

Table B-54

QUESTION 6C. STIMULATING FACTORS

	TOTAL	
Number of Respondents	134	
Number Answering	118	100%
Environmental concerns	53	45
Pollution problems	5	4
Principles and standards	3	2
Limit costs of disposal sites	13	11
Environmental regulations	20	17
Water quality control	6	5
DMPR reports at WES	3	2
Avail new methods of dredging funding	5	4
Ecological factors	6	5
Pressure from environmental and ecology groups	15	13
Recreational use of dredged material	4	3
Research	2	2
Legislation	4	3
Public recognition of dredging benefits	1	1
Lack of prior government research on disposal	2	2

Table B-55

QUESTION 6D. COULD YOU GIVE AN EXAMPLE OF WHAT YOU CONSIDER TO BE A NEW OR DIFFERENT DISPOSAL APPROACH?

	TOTAL	
Number of Respondents	134	
Number Answering	115	100%
Marshland creation	27	23
New and diff recycling dredge method	22	19
New method of water disposal	9	8
Research reports (CERC)	5	4
Confined disposal areas	15	13
Fish and wildlife habitat	4	3
Recreational area use of dredged material and other land use	4	3
Revegetating disposal areas	6	5
Productive uses of dredged material	16	14
Avoid wetland disposal areas	6	5
Use of dredged material for levee construction	2	2
Disposal of downstream pools	1	1
Improved pumping equipment	3	3
No	13	11
Beach restoration	6	5
Improve treatment dredged material	1	1

Table B-56

QUESTION 7A. IN YOUR OPINION, SHOULD THERE BE ANY CHANGES IN DREDGED MATERIAL DISPOSAL METHODS AND PROCEDURES?

	TOTAL	
Number of Respondents	134	
Number Answering	126	100%
Yes	92	73
No	34	27

Table B-57

QUESTION 7B. WHY ARE YOU OF THAT OPINION?

	TOTAL	
Number of Respondents	134	
Number Answering	113	100%
Reasons for YES changes		
Prohibitive economic cost	6	5
Insufficient size of disposal sites	5	4
EPA restrict too tight	6	5
Wetland areas in open-water disposal	7	6
Environmental or social concern	16	14
Improved methods for disposal	27	24
Marsh creation	7	6
Containment disposal areas	3	3
Land development	4	3
Continuing effort to develop new methods and procedures	13	11
More sanitary sludge handling	4	3
More research on disposal	9	8
Current practices not always environmentally acceptable	11	10
Administrative procedures unclear or too stringent	3	3
Sediment analysis for heavy metal pollution	1	1
Need to prevent erosion of dredged material after disposal	2	2

Table B-57 (Concluded)

QUESTION 7B.

	TOTAL	
Reasons for YES changes (continued)		
Improve effectiveness of solids retention at disposal sites, particularly of fine particles	1	1
COE allowed more choice in disposal site relocation	3	3
Many small wetland areas have no ecological value - should be used for disposal	2	2
Regulatory conflict between ER 1130-2307 (11/31/68) and increase of levee heights with dredged material	1	1
Project should be expedited	1	1
ANS not substantive	4	3
Prohibit trucking dredged material	1	1
Reasons for NO changes		
Future improvement will follow	1	1
Present methods satisfactory	7	6
No opinion	2	2
Environmental awareness	1	1

Table B-58

QUESTION 8. IT IS GENERALLY RECOGNIZED THAT DECISIONS CONCERNING THE DISPOSAL OF DREDGED MATERIAL MAY BE INFLUENCED BY OBJECTIVE CONSIDERATIONS AND EXTERNAL FORCES. THERE ARE SEVEN CATEGORIES WHICH MAY OPERATE TO DIFFERENT DEGREES IN ANY PARTICULAR CASE. ON THE BASIS OF YOUR FAMILIARITY WITH, AND KNOWLEDGE OF, DISTRICT DREDGING OPERATIONS, PLEASE INDICATE THE THREE WHICH HAVE BEEN MOST FREQUENTLY INFLUENTIAL.

	TOTAL	
Number of Respondents	134	
Number Answering	131	100%
Categories:		
Attitude and viewpoints of govt. agencies at all levels	60	46
Characters and magnitudes of environmental impact of practicable alternatives	64	49
Ease and/or facility of technical accomplishment	38	29
Economic costs	98	75
Environmental and other special interest group concerns	69	53
Institutional constraints	32	24
State and local political forces	34	26

Table B-59

QUESTION 9A. ARE YOU AWARE OF THE EXISTENCE OF THE CORPS DREDGED MATERIAL RESEARCH PROGRAM BEING CONDUCTED AT THE WATERWAYS EXPERIMENT STATION IN VICKSBURG?

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
Number of Respondents	27		27		16		13		23		27	
Number Answering	27	100%	27	100%	15	100%	13	100%	23	100%	25	100%
Yes	24	89	24	89	13	87	11	85	19	83	21	84
No	3	11	3	11	2	13	2	15	4	17	4	16

Table B-60

QUESTION 9B. COULD YOU TELL ME HOW YOU FIRST LEARNED ABOUT THE PROGRAM, THAT IS, VERBALLY, OR THROUGH PRINTED MATERIAL OR OTHER MEANS?

	TOTAL	
Number of Respondents	134	
Number Answering	110	100%
Verbal	55	50
Printed matter	39	35
Observed dredge at WES from plane	1	1
District request for dredging information	3	3
Both verbal and printed	12	11

Table B-61

QUESTION 10. IF SOMEONE WERE TO ASK YOU ABOUT THE PROGRAM, WHAT WOULD YOU SAY ABOUT IT? HOW WOULD YOU DESCRIBE IT?

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
Number of Respondents	27		27		16		13		23		27	
Number Answering	23	100%	24	100%	12	100%	11	100%	20	100%	25	100%
Not familiar with program	5	22	8	33	4	33	3	27	3	15	6	24
Environmental research center related to dredge disposal, national and international	4	17	2	8	2	17			2	10	2	8
Environmental protection and effects	4	17	2	8			2	18	2	10		
Evaluates and disperses information on dredged disposal material	6	26			1	8	1	9	3	15	3	12
Provides funds to private consultants for study develop new and alternative technologies of dredged material disposal	2	9	4	17	1	8	4	36	9	45	3	12
Implement environmental laws mandated by congress and states	1	4							1	5	1	4
Excellent program well presented							1	9			3	12
Good work in heavy metals in dredging operations									1	5	1	4
Various experiments											1	4
Models of different waterways	1	4			1	8			2	10	1	4

Q. 10

Table B-61 (concluded)

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
Mention Dr. Saucier by name	2	9									1	4
More economical in long range	2	9									1	4
Aid for all districts in dredging functions	2	9			2	17					1	4
Develop new and beneficial uses of dredged material	4	17	1	4	1	8			1	5	1	4
Data gathering program							1	9				
Little value at field level	1	4	1	4								
Solutions not always practical or applicable in all districts	3	13									1	4
Dredge material program should have a broader scope	1	4										
DMRP focuses on wetlands creation			1	4								
Necessary program; considers dredged material as a resource			1	4	1	8						
Thorough program, particularly with respect to coastal waterways			1	4								
Comprehensive dredging research program			3	12	2	17	1	9	3	15		
Doesn't adequately address inland dredging			1	4								
Should examine effects of open water disposal in more detail							1	9				

Table B-62

EVALUATION OF SCOPE AND CONTENT KNOWLEDGE
ABOUT DMRP

	Total % Of No. Answering (130)	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
Number of Respondents		27		27		16		13		23		27	
Number Answering		27	100%	27	100%	16	100%	13	100%	23	100%	26	100%
1 Limited	41	14	52	9	33	11	69	5	38	11	48	15	58
2	8	3	11	4	15	2	12	1	8	2	9	2	8
3	13	5	18	6	22	2	12	2	15	3	13	4	15
4	17	2	7	5	18			4	31	5	22	2	8
5	18	3	11	3	11	1	6			2	9	3	11
6 Extensive	2							1	8				

Table B-63

Q. 11 ASSESSMENT OF JOB USEFULNESS OF DMRP OBJECTIVES

	# ANS TOTAL	USEFULNESS Of Major ← → Little or No 1 %	2 %	3 %	4 %	5 %	6 %
Determine on a regional basis the short and long-term effects on water quality due to dredging and discharging bottom sediment containing pollutants.	134	38	21	12	7	8	13
Identification, evaluation, and monitoring of specific short-term and more general long-term effects of confined and unconfined disposal of dredged material on uplands, marsh, and wetland habitats.	131	33	21	14	14	8	10
Evaluation of the use of dredged material for the development, enhancement, or restoration of land for agriculture and other uses.	131	20	28	13	21	7	11
Investigation of the problem of turbidity and development of a predictive capability, as well as physical and chemical control methods for employment in both dredging and disposal operations.	131	27	21	15	14	9	13
Determine the magnitude and extent of effects of disposal sites on organisms and the quality of surrounding water, and the rate, diversity and extent of such sites are recolonized by benthic flora and fauna.	131	34	14	14	12	9	15

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UNCLASSIFIED WES-CR-D-77-1-VOL-2 NL

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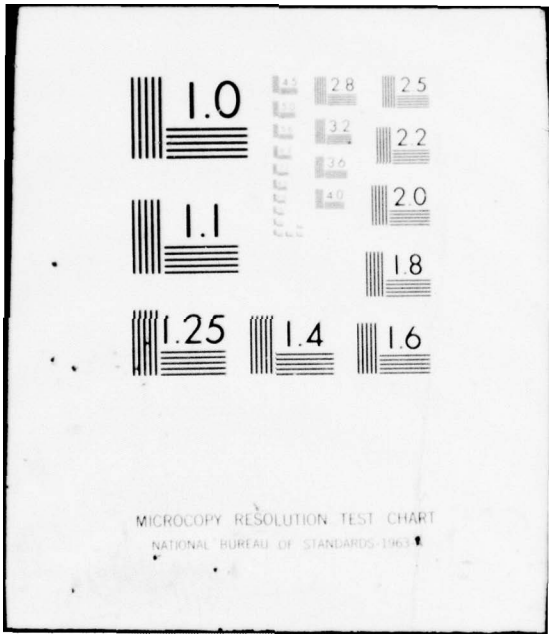

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

Table B-63 (continued)

ASSESSMENT OF JOB USEFULNESS
OF DMRP OBJECTIVES

	# ANS TOTAL	USEFULNESS Of Major ⟷ Little or No 1 %	2 %	3 %	4 %	5 %	6 %
Development, testing and evaluation of the environmental, economic and engineering feasibility of using dredged material as a substrate for marsh development.	132	29	19	15	9	11	16
Development of new or improved methods for the operation and management of confined disposal areas and associated facilities.	129	28	20	12	12	9	19
Assessment of the technical and economic aspects of the development of disposal areas as landfill sites and the development of recreation-oriented and other public or private land-use concepts.	129	25	18	23	15	8	10
Determine on a regional basis the direct and indirect effects on aquatic organisms due to dredging and disposal operations.	131	24	19	16	12	12	16
Evaluation of new disposal possibilities such as using abandoned pits and mines and investigation of systems involving long-distance transport to large inland disposal facilities.	132	20	20	7	19	14	20
Development and testing of promising techniques for dewatering or densifying dredged material using mechanical, biological and/or chemical techniques prior, during, and after placement in containment areas.	131	23	20	9	8	20	20

Table B-63 (continued)

ASSESSMENT OF JOB USEFULNESS
OF DMRP OBJECTIVES

	# ANS TOTAL	USEFULNESS Of Major ⟷ Little or No 1 %	2 %	3 %	4 %	5 %	6 %
Evaluation and testing of the environmental, economic, and engineering feasibility of using dredged material as a substrate for aquatic habitat development.	130	15	23	15	21	12	12
To characterize the effluent and leachate from confined disposal facilities, determine the magnitude and extent of contamination of surrounding areas, and evaluate methods of control.	132	16	20	17	16	14	17
Development and application of habitat management methodologies to upland disposal areas for purposes of planned habitat creation reclamation and mitigation.	124	18	18	16	19	13	14
Develop techniques for determining the spatial and temporal distribution of dredged material discharged into various hydrologic regimes.	131	16	18	10	13	13	30
Investigation of dredged material improvement and rehandling procedures aimed at permitting the removal of material from containment areas for landfill or other uses elsewhere.	130	18	16	15	17	19	15
Develop techniques for determining the pollutant properties of various dredged material types on a regional basis.	132	14	17	23	17	14	15

Table B-63 (concluded)

ASSESSMENT OF JOB USEFULNESS
OF DMRP OBJECTIVES

	# ANS TOTAL	USEFULNESS Of Major ⟷ Little or No 1 %	2 %	3 %	4 %	5 %	6 %
Evaluation of physical, chemical and/or biological methods for the removal and recycling of dredged material constituents.	130	12	18	21	16	13	19
Investigation, evaluation, and testing of methodologies for habitat creation and management of dredged material islands.	130	17	21	16	16	11	19
Investigation of technical and economic aspects of the manufacture of marketable products.	128	5	8	13	7	17	49

Table B-64

QUESTING 13. HERE IS A COPY OF A RECENT BULLETIN. HAVE YOU EVER SEEN ANY COPY OR COPIES OF THIS BULLETIN BEFORE?

	TOTAL		AWARE SA*		UNAWARE SA	
Number of Respondents	134		46		88	
Number Answering	124	100%	44	100%	80	100%
Yes	80	64	41	93	39	49
No	44	35	3	7	41	51

*SA references the self-administered questionnaire survey data.

Table B-65

	Total		DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
Number of Respondents			27		27		17		13		23		27	
	%													
Number Answering	133	=100%	27	100%	27	100%	16	100%	13	100%	23	100%	27	100%
Yes	82	62	19	70	14	52	13	81	8	62	12	52	16	59
No	51	38	8	30	13	48	3	19	5	38	11	48	11	41

Table B-66

QUESTION 14. IF SOMEONE WERE TO ASK YOU ABOUT THIS PUBLICATION, WHAT WOULD YOU SAY ABOUT IT? HOW WOULD YOU DESCRIBE IT?

	TOTAL	%
Number of Respondents	134	
Number Answering	82	100%
Latest research -	3	4
Broad	5	6
Review of state-of-the-art	19	23
Interesting, occasionally useful	6	7
Aware, but haven't read it	6	7
Can't apply study results to current job project (findings not trustworthy)	5	6
New technology of disposal worthwhile	4	5
Wordy, hard to read	2	2
Informative bulletin	21	26
Sometimes too technical	7	9
Informative overview of research programs	11	14
Useful to environmentalists, but not to engineering personnel	1	1
No opinion	5	6

Table B-67

EVALUATION OF RESPONDENT KNOWLEDGE
OF THE NEWS BULLETIN

	TOTAL		AWARE SA*		UNAWARE SA*	
Number of Respondents	134		46		88	
Number Answering	129	100 %	46	100 %	83	100 %
1 Limited or None	55	43	10	22	45	54
2	10	8	5	11	5	6
3	17	13	6	13	11	13
4	22	17	13	28	9	11
5	23	18	11	24	12	14
6 Extensive	2	1	1	2	1	1

Note: SA refers to self-administered questionnaire survey.

Table B-68

ANALYSIS OF DMRP KNOWLEDGE VS NEWS BULLETIN KNOWLEDGE

Knowledge of DMRP		Knowledge of Bulletin: Limited		2		3		4		5		Extensive	
	Number of Respondents	55		10		17		22		23		2	
	Number Answering	55	100%	10	100%	17	100%	22	100%	23	100%	2	100%
1	Limited	43	78	1	10	6	35	5	23	8	35		
2		6	11	3	30			3	14	1	4		
3		3	5	5	50	3	18	6	27	4	17	1	50
4		3	5			6	35	4	18	6	26		
5				1	10	2	12	4	18	3	13	1	50
6	EXTENSIVE									1	4		

Table B-69

QUESTION 15. HOW DOES A COPY REACH YOU?

	TOTAL		SA* AWARE		SA* UNAWARE	
Number of Respondents	134		46		88	
Number Answering	80	100%	40	100%	40	100%
By mail to you directly from DMRP	21	26	12	30	9	22
Your name appears on publication routing slip	42	52	18	45	24	60
From a coworker or associate	9	11	6	15	3	7
Request or seek copy from library	2	2			2	5

*SA references self-administered questionnaire survey

Table B-70

QUESTION 16A. WHEN YOU FIRST EXAMINE AN ISSUE OF THE DMRP BULLETIN, WHAT KIND OF INFORMATION DO YOU MOST OFTEN LOOK FOR?

	TOTAL	
Number of Respondents	134	
Number Answering	78	100 %
Useful case examples	4	5
No particular item (general reading)	15	19
Disposal methods, dredge sites, disposal re-use	11	14
New techniques	3	4
Environmental research and effects	5	6
Progress reports	4	5
New ideas	4	5
Haven't read	2	2
Results of studies, research projects	8	10
Effect on marine life, specific case studies	2	2
Subject headings	1	1
Elutriate test	2	2
Research or studies in areas of personal or local interest	6	8
Inland waterways situations	2	2
Engineering topics	2	2
Turbidity control	1	1
Funding, govt. expenditures	2	2

Table B-71

QUESTION 16B. THEN, AFTER THAT, WHAT IS IT YOU LOOK FOR?

	TOTAL	
Number of Respondents	134	
Number Answering	74	100%
Read entire issue	11	15
Disposal methods, dredge sites, disposal re-use	9	12
Nothing else	14	19
List of new publications	3	4
Engineering information	2	3
Photographs	1	1
Anything that applies	9	12
Habitat development	2	3
Results of on-going studies work being done at WES	3	4
Literature on new studies	1	1
Specific job requirements	1	1
Development of marsh creation	1	1
Usefulness of information, conclusions and recommendation	2	3
New ideas and trends	3	4
Environmentally, oriented projects	1	1
Schedule completion dates	3	4
Impact of dredging and disposal on aquatic organisms	1	1

Table B-72

QUESTION 17A. IS THE INFORMATION PROVIDED ABOUT TOPICAL AREAS USUALLY SUFFICIENTLY DETAILED FOR YOUR NEEDS?

	TOTAL	
Number of Respondents	134	
Number Answering	75	100%
Yes	53	71
No	22	29

Table B-73

QUESTION 17B. WHY DO YOU SAY THAT? (IF "NO")

	TOTAL	
Number of Respondents	134	
Number Answering	22	100%
Information is incomplete	2	9
Insufficient design data	3	14
Need for research report	2	9
More on swamps and marshland	2	9
More state-of-the-art	3	14
Can't answer explicitly	3	14
Insufficient info on spec subject	5	23
More on disposal area re-use	1	4
Need for treatment of inland dredging	1	4

Table B-74

QUESTION 19A. WHEN YOU HAVE COMPLETED AN ISSUE, WHAT DO YOU GENERALLY DO WITH IT? DO YOU -

	TOTAL	
Number of Respondents	134	
Number Answering	75	100%
Save it	22	29
Discard it	2	3
Pass it on	51	68

Table B-75

QUESTION 19B. YOU SAID, YOU PASS IT ON. DO YOU KNOW WHERE IT FINALLY ENDS UP? THAT IS, ITS FINAL DISPOSITION?

	TOTAL	
Number of Respondents	134	
Number Answering	59	100%
Yes	43	73
No	16	27

Table B-76

QUESTION 19C. WHAT IS ITS FINAL DISPOSITION?

	TOTAL	
Number of Respondents	134	
Number Answering	45	100%
File it	41	91
Discard	1	2
Design branch library	1	2
Pass along	2	4

Table B-77

QUESTION 21B. WHAT WAS IT? (I.E., THE INFORMATION LOOKED UP IN THE BULLETIN)

	TOTAL	
Number of Respondents	134	
Number Answering	29	100%
Merits of the elutriate tests, procedures	2	7
Current studies on marsh creations (and turbidity)	8	27
Confinement of disposal material	2	7
Placement of dredged material for level of recreation areas	2	7
Densification	1	3
Pesticide Movement in dredged material	2	7
Impact of chemical pollutant and re-dispersion of polluted materials	1	3
Status reports on different projects	4	14
Turbidity control	2	7
List of current WES research	1	3
Environmental impacts of dredging and disposal aquatic organisms	2	7
Catalog all studies	1	3

Table B-78

QUESTION 22. HAVE YOU EVER HAD A NEED TO MAKE A REQUEST OR PREPARE ADDITIONAL COPIES OF THE BULLETIN EITHER FOR YOURSELF OR FOR OTHERS?

	TOTAL	
Number of Respondents	134	
Number Answering	79	100 %
Yes	13	16
No	66	84

Table B-79

NUMBER OF DMRP REPORTS READ

Number of Respondents	TOTAL 134	
Number Answering	36	100%
1	7	19
2	3	8
3	3	8
4	2	5
5	3	8
6	2	5
7	3	8
8	4	11
9	1	3
12	3	8
13	1	3
15	1	3
16	2	5

Table B-80

Q. 23 Here is a list of titles of most of the technical reports published by the DMRP to date. Tell me which, if any, of the indicated study areas does or could relate to your work needs or interests. To facilitate your response, simply read aloud the number and associated title, then respond with a Yes or No answer.

Q. 24 Were you aware of the existence of any of these other reports before reviewing this list of titles? If "Yes", please name the titles you already know of by their corresponding report numbers.

Q. 25 Of these you mentioned, which have you scanned or read part of or all of its content?

REPORT TITLES	Q.23		Q.24 & Q.25			
	Answering	Work Related	Answering	Not Aware	Aware of Reports Read: No	Yes
	#	%	#	#	#	#
"Disposal of Dredge Spoil-Problem Identification and Assessment and Research Program Development." (1)	124	54	101	61	14	26
"Feasibility Study of Hydrocyclone Systems for Dredge Operations."(2)	123	19	99	76	11	12
"Effects of Open-Water Disposal of Dredged Material on Bottom Topography Along Texas Gulf Coast."(3)	125	27	99	69	16	14
"Discussion of Regulatory Criteria for Ocean Disposal Of Dredged Materials."(4)	125	54	102	58	16	28
"Investigation of Mathematical Models for the Physical Fate Predication of Dredged Material."(5)	124	30	100	71	15	14
"Practices and Problems in the Confinement of Dredged Material in Corps of Engineers Projects."(6)	125	80	102	59	15	28
"Literature Review on Research Study for the Development of Dredged Material Disposal Criteria."(7)	125	58	101	67	14	20

Table B-80 (concluded)

Q. 23,25,25

REPORT TITLES	Q. 23		Q. 24 & Q. 25			
	Answering	Work Related	Answering	Not Aware	Aware of Reports. Read	
					No	Yes
	#	%	#	#	#	#
"Regional Landfill and Construction Material Needs in Terms of Dredged Material Characteristics and Availability"(8)	123	47	100	72	11	17
"Identification of Objectionable Environmental Conditions and Issues Associated with Confined Disposal Areas."(9)	125	73	99	65	16	18
"Demonstration of a Methodology for Dredged Material Reclamation and Drainage."(10)	123	54	101	67	13	21
"Containment Area Facility Concepts for Dredged Material Separation, Drying, and Rehandling."(11)	124	52	100	68	13	19
"Legal, Policy and Institutional Constraints Associated with Dredged Material Marketing and Land Enhancement." (12)	124	43	101	72	16	13
"Assessment of the Factors Controlling the Long-Term Fate of Dredged Material Deposited in Unconfined Subaqueous Disposal Areas."(13)	125	63	100	66	11	23
"General Research Plan for the Field Investigations of Coastal Dredged Material Disposal Areas."(14)	123	42	101	68	11	22
"A Feasibility Study of Lawn Sod Production and/or Related Activities on Dredged Material Disposal Sites."(15)	123	32	100	78	11	11
"Guidelines for Material Placement in Marsh Creation."(16)	125	68	99	61	14	24

Table B-81

Q.26 We would like your opinion on the clarity and understandability of the reports you have read.

REPORT TITLES	Answering	Author Communication: Difficult to understand ← Scale → Easy to Understand					
	#	1 %	2 %	3 %	4 %	5 %	6 %
"Disposal of Dredge Spoil-Problem Identification and Assessment and Research Program Development."	24	-	4	8	25	33	29
"Feasibility Study of Hydrocyclone Systems for Dredge Operations."	8	-	12	-	50	37	-
"Effects of Open-Water Disposal of Dredged Material on Bottom Topography Along Texas Gulf Coast."	14	-	14	7	36	21	21
"Discussion of Regulatory Criteria for Ocean Disposal of Dredged Materials."	28	-	3	11	39	36	11
"Investigation of Mathematical Models for the Physical Fate Predication of Dredged Material. "	12	-	25	17	33	8	17
"Practices and Problems in the Confinement of Dredged Material in Corps of Engineers Projects."	25	-	4	-	32	28	36
"Literature Review on Research Study for the Development of Dredged Material Disposal Criteria."	19	-	10	-	21	31	37

Table B-81 (concluded)

Q. 26

Author Communication

REPORT TITLES	# Answering	Difficult to understand ← Scale → Easy to Understand					
		1 %	2 %	3 %	4 %	5 %	6 %
"Regional Landfill and Construction Material Needs in Terms of Dredged Material Characteristics and Availability."	11	-	9	9	45	27	9
"Identification of Objectionable Environmental Conditions and Issues Associated with Confined Disposal Areas."	14	-	-	7	36	36	21
"Demonstration of a Methodology for Dredged Material Reclamation and Drainage."	18	-	11	5	33	39	11
"Containment Area Facility Concepts for Dredged Material Separation, Drying, and Rehandling."	16	-	6	-	44	37	12
"Legal, Policy and Institutional Constraints Associated with Dredged Material Marketing and Land Enhancement."	12	-	8	8	42	25	17
"Assessment of the Factors Controlling the Long-Term Fate of Dredged Material Deposited in Unconfined Subaqueous Disposal Areas."	21	-	9	5	38	24	24
"General Research Plan for the Field Investigations of Coastal Dredged Material Disposal Areas."	20	-	5	-	25	50	20
"A Feasibility Study of Lawn Sod Production and/or Related Activities Activities on Dredged Material Disposal Sites."	8	-	12	-	37	25	25
"Guidelines for Material Placement in Marsh Creation."	23	-	4	-	35	30	30

Table B-82

QUESTION 28A. NOW CONSIDER A DIFFERENT AREA, THE METHODS USED TO COMMUNICATE AND CONVEY INFORMATION ABOUT NEW TECHNICAL IDEAS AND PROCEDURES. HERE IS A LIST. PLEASE TELL ME THOSE WITH WHICH YOU HAVE HAD PERSONAL EXPERIENCE.

	TOTAL	
Number of Respondents	134	
Number Answering	128	100%
Conference	103	80
Seminars	91	71
Work shop	71	55
Meetings	109	86
Peer (assoc instruction)	81	64
Supervisor instruction	83	65
Subordinate suggestion	62	51
Demonstration	59	48
Trade shows	29	24
On site visit demonstration	74	59
Consultant presentations	53	42
Dog and pony show	23	18
Professional society lecture presentation	69	55
Sponsor representative	43	34
Symposia	41	32
University course	62	50
Tape cassettes	20	16
Videotapes	26	21
Motion pictures	65	50
Consultant reports	68	53
In-house technical reports	88	68
Journal articles	95	74
Text and reference books	86	67
Notes and memos	62	50
News releases	79	64

Table B-83

QUESTION 28B. ARE THERE ANY OTHERS THAT ARE NOT LISTED ON THE CARD WITH WHICH YOU HAVE HAD EXPERIENCE? IF YES, WHAT?

	TOTAL	
Number of Respondents	134	
Number Answering	132	100 %
Informal conversation	6	4
Experimental sites	1	1
On site inspection	1	1
Agency sponsored courses	2	1
Technical newspapers, magazines, circulars	2	1
Television	3	2
Library	4	3
Suggestion box	1	1
None or no	97	73
Radio	3	2
Agency contacts	1	1
Sledge presentation	2	1
Working with private dredge company	2	1
Slides with narrator	3	2

Table B-84

QUESTION 28C. AS YOU KNOW, THE TYPE OF COMMUNICATION MAY SUBSTANTIALLY AFFECT THE EASE AND RAPIDITY WITH WHICH NEW TECHNICAL IDEAS AND PROCEDURES CAN BE LEARNED. IN TERMS OF THESE FACTORS, I.E. EASE AND RAPIDITY, WHICH OF ALL THE COMMUNICATION METHODS YOU JUST MENTIONED ARE USUALLY MOST EFFECTIVE FOR YOU? WHICH WOULD YOU RATE AS FIRST AND SECOND?

	FIRST CHOICE TOTAL		SECOND CHOICE TOTAL	
Number of Respondents	134		134	
Number Answering	130	100%	129	100%
Conference	19	15	12	9
Seminars	21	16	15	12
Work Shop	20	15	7	5
Meetings	5	4	12	9
Peer (assoc instruction)	7	5	10	8
Supervisor instruction	7	5	8	6
Subordinate suggestion	1	1	3	2
Demonstration	4	3	6	5
Professional society lecture presentation	1	1	1	1
Sponsor representative	1	1	1	1
Symposia	1	1	1	1
University course	5	4	6	5
Videotapes	1	1	1	1
Motion pictures	5	4	3	2
Consultant reports	1	1	2	1
In-house technical reports	5	4	10	8
Journal articles	7	5	10	8
Text and reference books	4	3		
Newsletter	2	1	2	1
Trade shows			1	1
Notes and memos			3	2

Table B-85

QUESTION 28D. CONSIDERING (FIRST METHOD GIVEN) WHAT HAVE YOU FOUND IN THIS TYPE OF LEARNING METHOD THAT CONTRIBUTES TO THE EASE AND RAPIDITY OF YOUR LEARNING?

PRIMARILY INTERPERSONAL TRANSFER MODES	PRIMARILY IMPERSONAL TRANSFER MODES
Conferences	Lectures
Seminars	Videotapes
Workshops	Motion pictures
Meetings	Consultant reports
Associate instruction	In-house tech. reports
Supervisor instruction	Journal articles
Subordinate suggestion	Text and reference books
Demonstration	Newsletter
Sponsor representative	Professional society lecture presentation
Symposia	
University courses	

Reasons for Preference

INTERPERSONAL	IMPERSONAL
New ideas, informative	Personal reading, easy referral
Interesting, easy to assimilate	Comprehensive view of subject
Visual observation	Primary rather than secondary content
Concentrated total involvement	
Time saving	
Better understanding	
Easy learning process	
Interchange of information	
Personal involvement	
Informality	
Supervisor communicates well	
Detailed instruction in field of interest	
Direct observation of work in process	
Ideas about new equipment and methods	

Table B-86

QUESTION 28E. CONSIDERING OTHER METHODS YOU HAVE EXPERIENCED, WHICH WOULD YOU SAY HAS BEEN THE LEAST EFFECTIVE FOR YOU IN TERMS OF EASE AND RAPIDITY OF LEARNING?

	TOTAL	
Number of Respondents	134	
Number Answering	123	100 %
Conference	7	6
Seminars	2	2
Work shop	1	1
Meetings	6	5
Peer (assoc instruction)	1	1
Supervisor instruction	3	2
Subordinate suggestion	1	1
Demonstration	2	2
Trade shows	10	8
Consultant presentations	1	1
Dog and pony show	4	3
Professional society lecture presentation	5	4
Sponsor representative	3	2
Symposia	2	2
University course	1	1
Tape cassettes	5	4
Videotapes	3	2
Motion pictures	2	2
Consultant reports	1	1
In-house technical reports	7	6
Journal articles	8	6
Text and reference books	9	7
Newsletter	13	10
Notes and memos	7	6
News releases	17	14

Table B-87

QUESTION 28E. CONSIDERING OTHER METHODS YOU HAVE EXPERIENCED, WHICH WOULD YOU SAY HAS BEEN THE LEAST EFFECTIVE FOR YOU IN TERMS OF EASE AND RAPIDITY OF LEARNING?

PRIMARILY INTERPERSONAL TRANSFER MODES	PRIMARILY IMPERSONAL TRANSFER MODES
Conferences	Tape cassettes
Seminars	Videotapes
Workshops	Motion pictures
Meetings	Consultation
Associate instruction	In-house technical reports
Supervisor instruction	Journal articles
Subordinate suggestion	Text and reference books
Demonstration	Newsletter
Sponsor representative	Notes, memos
Symposia	News releases
University courses	Professional society lecture presentation
Dog and pony show	

REASONS FOR CONSIDERING THEM INEFFECTIVE

INTERPERSONAL	IMPERSONAL
Biased	No personal contact
Haven't attended	High level info (too much detail)
Sell his product, no regard to needs of the Corps	Too much statistical data
Differences in opinion	No insight into problem
Large groups which do not favor interchange	No participation
Ephemeral	(Textbooks) lack of examples
	Doesn't cover area of specific interest
	Hard to understand
	No answers to question
	Too long
	Hard to maintain attention

Table B-88

QUESTION 28F. IF YOU WERE ASKED TO TRANSMIT TECHNICAL INFORMATION TO SOME GROUP IN YOUR DISTRICT, WOULD YOU NECESSARILY EMPLOY THE METHOD YOU IDENTIFIED AS BEST IN TERMS OF YOUR OWN LEARNING EFFICIENCY?

	TOTAL	
Number of Respondents	134	
Number Answering	129	100%
Yes	78	60
No	51	40

If no, would consider:

In-house technical reports
Work shops
In-house meetings, peer instruction
Notes, memos
Dog and pony show
Personal contacts
Seminars

Table B-89

QUESTION 29. HAVE YOU EVER HAD AN OCCASION TO ATTEND A PRESENTATION OF THE DMRP PROVIDED BY THE PROGRAM STAFF?

	DIST 2	%	DIST 4	%	DIST 5	%	DIST 7	%	DIST 9	%	DIST 11	%
Number of Respondents	27		27		16		13		23		27	
Number Answering	26	100	25	100	14	100	12	100	23	100	26	100
Yes	7	27	3	12	5	36			6	26	3	11
No	19	73	22	88	9	64	12	100	17	74	22	85

Table B-90

QUESTION 29A. THINKING ABOUT THE CONTENT OF THE PRESENTATION, DID YOU FEEL THAT IT PROVIDED YOU WITH A SATISFACTORY UNDERSTANDING OF THE DMRP AND ITS PRINCIPAL GOALS?

	DIST 2		DIST 4		DIST 5		DIST 7	DIST 9		DIST 11	
Number of Respondents	27		27		16		13	23		27	
Number Answering	7	100%	3	100%	5	100%		6	100%	3	100%
Yes	4	57	3	100%	4	80		3		2	67
No	3	43			1	20		3		1	33
Reasons											
Demonstrate technique being researched and developed	1	14			1	20		1	17		
Overemphasis on study organization	2	29			1	20		1	17	1	33
Understand goals but not enough definite information								2	33		
No problem understanding goals (objective goals well defined)	1	14			1	20		1	17	1	33
No comment	1	14									
Provided general overview of goals	2	28	2	67	2	40		1	17	1	33
Provided views of stating site areas			1	33							

Table B-91

QUESTION 29B. HOW WOULD YOU RATE THE PRESENTATION IN TERMS OF THE FIRST 6 POINT SCALE? (STIMULATING——DULL)

	DIST 2		DIST 4		DIST 5		DIST 7	DIST 9		DIST 11	
Number of Respondents	27		27		16		13	23		27	
Number Answering	7	100%	3	100%	5	100%		6	100%	3	100%
6 Stimulating	1	14						1	17		
5	1	14	1	33	1	20		2	33		
4			1	33	1	20		1	17		
3	2	28	1	33	1	20				1	33
2	2	28			1	20		2	33	2	67
1 Dull	1	14			1	20					

Table B-92

QUESTION 29C. HOW WOULD YOU RATE IT IN TERMS OF ITS CONTRIBUTION TO YOUR LEARNING IN TERMS OF THE SECOND 6 POINT SCALE? (EXCELLENT ——— POOR)

	DIST 2		DIST 4		DIST 5		DIST 7	DIST 9		DIST 11	
Number of Respondents	27		27		16		13	23		27	
Number Answering	7	100%	3	100%	5	100%		6	100%	3	100%
6 Excellent	2	28						2	33		
5	1	14									
4	1	14	1	33	2	40					
3	1	14	1	33	1	20		1	17	1	33
2	1	14	1	33	1	20				2	67
1 Poor	1	14			1	20					

Table B-93

QUESTION 30. HOW WOULD YOU CHARACTERIZE THE EXCHANGE OF IDEAS WITHIN YOUR OFFICE GROUP?

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
Number of Respondents	27		27		16		13		23		27	
Number Answering	27	100%	26	100%	7	100%	11	100%	22	100%	26	100%
6 Frequent+Unrestrained	7	26	11	42	1	14	5	45	4	18	10	38
5	10	37	12	46	2	28	2	18	7	32	6	23
4	6	22	1	4	1	14	1	9	5	23	7	27
3	3	11	1	4			1	9	3	14		
2	1	4	1	4	2	28	1	9	2	9	2	8
1 Infrequent+Restrained							1	9	1	4	1	4

TABLE B-94

TOPICAL AREA 1 - GENERAL ENVIRONMENTAL INTEREST AREAS

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	100	100	21	100	95	100	29	100
AIR QUALITY	21	21	21	100	21	22	15	52
WATER QUALITY	95	95	21	100	95	100	24	83
SOLID WASTE	29	29	15	71	24	25	29	100

TOPICAL AREA 1 - GENERAL ENVIRONMENTAL INTEREST AREAS

	AIR		WATER		SOLID		A W		A S		W S	
NUMBER OF RESPONDENTS			65		5		6				9	
NUMBER ANSWERING			65	100	5	100	6	100			9	100
AIR QUALITY							6	100				
WATER QUALITY			65	100			6	100			9	100
SOLID WASTE					5	100					9	100

TOPICAL AREA 1 - GENERAL ENVIRONMENTAL INTEREST AREAS

	A W S	
NUMBER OF RESPONDENTS	15	
NUMBER ANSWERING	15	100
AIR QUALITY	15	100
WATER QUALITY	15	100
SOLID WASTE	15	100

TABLE B-95

TOPICAL AREA 2 - ENVIRONMENTAL AREAS OF SPECIAL INTERESTS

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	98	100	20	100	94	100	28	100
LAND FILL	2	2			1	1	2	7
LIVING ORGANISMS, FOOD CHAIN CONTAINMENT	2	2			2	2	1	3
DOMESTIC GARBAGE SEPARATION AND RECYCLING	1	1					1	3
ENCLOSURE METHODS	1	1			1	1	1	3
Ambient Levels	13	13	2	10	12	13	4	14
BIOLOGICAL POLLUTANTS	8	8	1	5	8	8	2	7
STORM WATER RUNOFF	1	1	1	5	1	1	1	3
SEWERAGE TREATMENT STANDARDS	9	9	5	25	8	8	6	21
REUSE OF WASTE WATER FROM MINERAL OPERATION	2	2	1	5	2	2	1	3
MONITORING, REMOTE SENSING INSTRUMENTATION	5	5	2	10	5	5	1	3
AIRPORT FEASIBILITY STUDY	1	1	1	5	1	1	1	3
WATER SYSTEMS	5	5	1	5	5	5	1	3
ENVIRONMENTAL IMPACT STATEMENT	3	3	2	10	3	3	2	7
SANITATION, DRAINAGE, ROADS BRIDGES	2	2	1	5	2	2	1	3
EMMISSION SHIPS COAL GENERATING PLANTS AUTOMOTIVE	3	3	3	15	3	3	1	3
SALINITY	1	1			1	1		
FISH AND WILDLIFE	5	5			5	5		
LAND APPLICATION WASTE WATER	3	3			3	3	1	3
AQUACULTURE, MARINE LIFE, FISHERIES	10	10	1	5	10	11	1	3
NON-POINT SOURCES	1	1			1	1		
TOXICITY ON ORGANISMS	1	1			1	1		
MOSQUITO ABATEMENT	2	2			2	2		
BACTERIOLOGICAL, CHEMICAL, BIOLOGICAL AFFECT	11	11	4	20	11	12	4	14
CONSERVATION ACTIVITY	1	1			1	1		
MOBILE BAY AND DELTA DREDGING	1	1			1	1		
REGULATORY, ENFORCEMENT	5	5			5	5		
DREDGE WASTE, SEWERAGE	8	8	3	15	8	8		
ESTUARIES, RIVER BASINS	6	6	1	5	6	6	1	3
IMPACT AND PHYSICAL EFFECT	11	11	2	10	11	12	3	11
EQUIPMENT AND MAINTENANCE	1	1			1	1	1	3

TABLE B-96

TOPICAL AREA 3 — PUBLICATIONS

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	92	100	20	100	88	100	28	100
AIR AND WATER NEWS	1	1			1	1		
COASTAL ZONE MGT.	3	3			3	3		
ENVIRONMENTAL REPORTER	5	5	2	10	4	4	1	3
CONGRESSIONAL RECORD	1	1			1	1		
FOOD WEEKLY	1	1			1	1		
ANALYTICAL CHEMISTRY	1	1			1	1		
ECOLOGICAL SURVEY	1	1			1	1		
MARINE POLLUTION BULLETIN	3	3			3	3		
JOURNAL OF FISHERIES OF CANADA	2	2			2	2		
ESTUARINE COASTAL MARINE ENVIRONMENT	1	1			1	1		
COE BULLETIN	8	8	3	15	8	9	4	14
MISSISSIPPI RIVER COMMISSION	5	5	2	10	5	6		
POLLUTION ENGINEERING	2	2	1	5	2	2	1	3
OCEANS AND ATMOSPHERE	2	2	1	5	2	2	1	3
DEEP SEA RESEARCH	2	2			2	2	1	3
AQUATECH	1	1			1	1		
CIVIL ENGINEERING	1	1			1	1		
GENERAL NEWS MAGAZINE	2	2	2	10	2	2	2	7
DMRP	3	3	2	10	2	2	2	7
POLLUTION AND ENGINEERING NEWS	11	12	2	10	10	11	5	17
MINING ENGINEERING	4	4			4	4	1	3
ENVIRONMENTAL IMPACT STATEMENT	1	1	1	5	1	1	1	3
CHEMICAL ENGINEERING NEWS	1	1	1	5	1	1	1	3
NATIONAL WILDLIFE	5	5	3	15	5	6	4	14
WORLD DREDGING	4	4	1	5	4	4	1	3
SEA TECHNOLOGY	6	6	3	15	6	7	2	7
WASTE WATER ENG.	1	1	1	5	1	1	1	3
ENVIRONMENTAL HEALTH	6	6	3	15	6	7	4	14
SIERRA CLUB BULLETINS	1	1	1	5	1	1	1	3
NATURAL RESOURCES	2	2			2	2		
CIVIL ENGINEERING	1	1			1	1	1	3
GEOLOGICAL TIMES	3	3	1	5	3	3	2	7
GEOLOGICAL SCIENCES	2	2			2	2	1	3
GEOLOGICAL SOCIETY OF AMERICA	2	2			2	2	1	3
SLUDGE	2	2			1	1	2	7
	1	1					1	3

TABLE B-96 (concluded)

TOPICAL AREA 3 CONTINUED, PUBLICATIONS

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	94	100	20	100	89	100	29	100
U.S. NEWS AND WORLD REPORT	2	2			2	2	1	3
TRADE JOURNALS	4	4			4	4	1	3
WASTE WATER TREATMENT	2	2			1	1	1	3
WATER SYSTEMS SUPPLY ANALYSIS	1	1			1	1		
STATE JOURNALS	6	6	2	10	5	6	3	10
WATER AND SEWERAGE WORKS	4	4	2	10	4	4	2	7
SALT SCIENCE	1	1			1	1		
ENTYMOLOGICAL JOURNAL	1	1			1	1		
WATER SPECTRUM	3	3			2	2	1	3
SOLIDE WASTE REPORTER	1	1					1	3
ASCE	2	2	1	5	1	1	2	7
TOXIC AFFILIATE NEWS	1	1					1	3
BIOLOGY JOURNAL	5	5			4	4	2	7
ENVIRONMENTAL ENGINEERING	2	2			1	1	1	3
ENVIRONMENTAL GEOLOGY	1	1					1	3
CALIFORNIA RESOURCES	1	1					1	3
GARBAGE GUIDE	1	1					1	3
FEDERAL REGISTER	4	4	1	5	4	4		
WATER NEWSLETTER	1	1			1	1		
WATER INFORMATION NEWS	2	2			2	2		
SOIL CONSERVATION	1	1			1	1		
FISH PRODUCTION	1	1			1	1		
OCEAN INDUSTRY	1	1			1	1	1	3
MOSQUITO NEWS	2	2			1	1	1	3
PEST CONTROL	2	2			2	2		
BIOSCIENCE	5	5			5	6		
AMERICAN SCIENCE	4	4			4	4	1	3

Table B-97

TOPICAL AREA 4 - RECENT ARTICLES OF PARTICULAR INTEREST

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	99	100	20	100	94	100	29	100
NO SPECIFIC	40	40	9	45	40	42	11	38
BUSINESS WEEK - PCB	5	5			4	4	1	3
DELTONA CORP DENIAL, INFILTRATION OF WETLANDS (FLORIDA)	2	2	1	5	2	2	1	3
BIO-ACCUMULATION OF TOXICITY ON VARIOUS SPECIES	4	4			4	4		
PESTICIDE LEVELS IN PELICANS	2	2	2	10	2	2	2	7
TECHNIQUES FOR DREDGE CONTAINMENT	4	4	1	5	4	4	1	3
OUTER CONTINENT L SHELF, EIS, BUREAU OF LAND MGT.	2	2			2	2		
Entrainment in Mid-Atlantic POWER PLANT	1	1			1	1		
HEAVY METAL CONCENTRATION IN MUSSELS	1	1			1	1		
DREDGE OCEAN DUMPINGS	1	1			1	1	1	3
REMOTE SENSING OFFSHORE AREAS	4	4			3	3	2	7
MERCURY	1	1			1	1		
ESTUARIES, TRANSPORT, BIOCHEMISTRY	5	5	1	5	5	5	1	3
CONTROL OF CHEMICALS TRANSPORT IN SEDIMENT	4	4	1	5	4	4	1	3
OCEAN DRILLING	1	1			1	1	1	3
EARTHQUAKES, EARTH LIFTING IN SC	2	2	2	10	2	2	2	7
HYDROLOGY OF FILL SITES	5	5			3	3	2	7
AMENDMENT 95-404-200 LOUISIANA	1	1			1	1		
WATER POLLUTION	4	4			4	4	1	3
MOSQUITO CONTROL	1	1			1	1		
ARTICLES ON WATER PERIMETERS	6	6			6	6	2	7
AQUACULTURE	1	1			1	1		
WATER HYACINTHS IMPROVE WATER QUALITY	1	1			1	1		
EFFECT OF PETROLEUM, CHEMICAL INDUSTRIAL WASTE AND DREDGE MATERIAL	6	6	2	10	6	6	2	7
EST - POLLUTION	2	2	1	5	2	2	1	3
COSTAL MANAGEMENT ACT OF 1972	1	1	1	5	1	1		
#DREDGE MATERIAL DISPOSAL#, CHH NEWSLETTER	1	1			1	1		
MARINE OPERATIONS	1	1			1	1		
FUNDING OF PROGRAMS, ECONOMIC CONSIDERATIONS	3	3	1	5	3	3	1	3

Table B-98

TOPICAL AREA 5 - EVALUATION OF PUBLICATIONS COMMUNICATION EFFECTIVENESS

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	98	100	20	100	93	100	29	100
NO	16	16	3	15	15	16	5	17
YES	82	84	17	85	78	84	24	83

Table B-99

TOPICAL AREA 6 - IDENTIFICATION OF PUBLICATIONS WHICH COULD BE IMPROVED

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	15	100	3	100	14	100	5	100
SHOULD BE MORE SUBJ ORIENTATED	6	40	1	33	5	36	4	80
INFO ON FRESH AND SALT WATER INNERFACE	1	7			1	7		
EXCEPT FOR C.O.E. PUBLICATIONS NOT DIRECTED AT ENVIRO ASPECT	2	13	1	33	2	14		
EFFECT OF DREDGING ON ENVIRO	1	7			1	7		
LEGISLATIVE TECHNOLOGICAL								
MORE RESEARCH, TECHOLOGY	1	7			1	7		
NEWSLETTER TYPE APPROACH	1	7			1	7		
COMPREHENSIVE SURVEY OF FIELD MONITORING INSTRUMENTS	1	7			1	7		
INFO MISLEADING HAS TO BE CHECKED	1	7			1	7		
SIMILAR INTL SITUATIONS	1	7	1	33	1	7	1	20

Table B-100

TOPICAL AREA 25 - WORK RELATIVENESS, IF ANY, OF RECIPIENT'S ENVIRONMENTAL INTEREST

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	99	100	20	100	94	100	29	100
NO	2	2	1	5	2	2	1	3
YES	97	98	19	95	92	98	28	96

Table B-101

TOPICAL AREA 26 - NUMBER OF PEOPLE EMPLOYED AT LOCATION (WORK RELATED)

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	94	100	19	100	89	100	27	100
0 - 10	17	18	3	16	17	19	5	18
11 - 20	14	15	4	21	14	16	3	11
21- 40	9	9	2	10	8	9	2	7
41 - 80	16	17			14	16	6	22
81 - 160	13	14	3	16	13	15	2	7
161 - 320	7	7	2	10	7	8	2	7
321 - 640	8	8	2	10	7	8	2	7
641 - 1280	3	3			3	3	1	4
1281 - 2560	5	5	3	16	4	4	4	15

Table B-102

TOPICAL AREA 27 - NUMBER OF PROFESSIONALS

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	91	100	19	100	87	100	25	100
1	1	1			1	1		
2	4	4	2	10	4	4	2	8
3 - 4	11	12	4	21	11	13	4	16
5 - 8	10	11			10	11	2	8
9 - 16	11	12	2	10	11	13	1	4
17 - 32	16	17	1	5	14	16	4	16
33 - 64	14	15	4	21	14	16	4	16
65 - 128	10	11			10	11		
129 - 256	3	3	2	10	2	2	3	12
257 - 512	11	12	4	21	10	11	5	20

Table B-103

TOPICAL AREA 7 - LENGTH OF TIME DMRP BULLETIN HAS BEEN RECEIVED

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	99	100	20	100	94	100	29	100
DONT RECEIVE	1	1			1	1		
6 MONTHS OR LESS	7	7			7	7		
7 - 12 MONTHS	24	24	6	30	21	22	12	41
13 - 18	7	7			6	6	2	7
19 - 24	29	29	7	35	29	31	6	21
25 - 30	2	2			2	2		
31 - 36	29	29	7	35	28	30	9	31

Table B-104

TOPICAL AREA 8 - GENERAL IMPRESSION OF BULLETIN

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	94	100	19	100	89	100	27	100
GOOD IF YOU ARE INTERESTED IN DREDGING	23	24	4	21	21	23	8	30
EXCELLENT, GOOD TECHNICAL DOCUMENT, VERY PROFESSIONAL, INFORMATIVE	21	22	3	16	20	22	7	26
WOULD NOT RANK VERY HIGH - DRY READING	1	1			1	1		
NOT DETAILED ENOUGH	5	5	3	16	5	6	1	4
HELPFUL; INTERESTING	15	16	7	37	15	17	4	15
EXCELLENT SOURCE OF REFERENCE FOR THE EFFECTS OF DREDGING	8	8	3	16	8	9	2	7
PROVIDES INSIGHT INTO AREAS OF INTEREST	12	13	2	10	10	11	3	11
IT IS AN UNREALISTIC ITEM OF PROPOGANDA, BIAS	3	3			3	3		
KEEPS ONE CURRENT ON CORPS DREDGING FUNCTIONS	14	15	4	21	14	16	4	15
DEALS ONLY WITH RESEARCH PROGM	2	2			2	2		
PRACTICAL DISCUSS OF RESULTS AND ON-GOING WORK IN UMR	6	6			6	7	2	7
TOO RESEARCH ORIENTED, SHOULD BE MORE RESPONSIVE TO SPECIFIC PROJECTS	3	3			2	2	1	4
NECESSARY IN ESTUARINE BIOLOGY WORK AND ENVIRON. REGULATORY AREA	2	2	1	5	2	2	1	4
GREAT DEAL OF RESEARCH AND DEVELOPMENT TO PROVE OR DISPROVE EXTRACTION FROM DISPOSAL	4	4	1	5	4	4	1	4
CURRENT R+D IN RECENT AND LONG TERM RESEARCH PROJECTS ON TECHNOLOGY AND DISPOSAL OF DREDGE MATERIAL	10	11	1	5	9	10	1	4
NEEDS INFO ON WETLANDS PROTECTION	2	2			2	2	1	4
IN-HOUSE REPORTS ON CURRENT CONTRACT ACTIVITIES: ANNOUNCE RFP'S	9	9			8	9	2	7
DISCUSSES MIGRATION OF POLLUTION, HEAVY METAL AND PESTICIDE PROBLEMS	3	3	1	5	3	3	1	4

Table B-105

TOPICAL AREA 9 - KIND OF INFORMATION RECIPIENT LOOKS FOR INITIALLY AND AFTER

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	98	100	20	100	93	100	28	100
INFO RELATING TO FRESH WATER								
RIVERS	3	3	1	5	3	3	1	3
GENERAL REVIEW OF CONTENT (SCAN)	21	21	5	25	21	22	4	14
ECOLOGICAL PROJECTS	1	1			1	1		
NEW REPORTS ISSUED	3	3	1	5	3	3	2	7
MOSQUITO RELATED PROBLEMS	3	3			2	2	1	3
PUBLICATION LIST	1	1			1	1		
BIOLOGICAL ASPECT	2	2	1	5	2	2	1	3
MIGRATION AND IMPACT OF DREDGED MATERIAL	1	1	1	5	1	1	1	3
MARSH CREATION, RESTORATION	6	6	2	10	6	6	2	7
TEST RESULTS ON DREDGING AND DREDGED MATERIAL	3	3	2	10	3	3	2	7
WATER QUALITY + SEDIMENTATION	2	2			2	2		
PLANTS, SHORELINE EROSION	1	1			1	1	1	3
EFFECTS ON MARINE ENVIRONMENT (FISH AND WILDLIFE)	5	5			5	5		
HEAVY METAL CONTENT	2	2			1	1	1	3
PROJECT PERTAINING TO OWN AREA	9	9	1	5	8	9	3	11
RELATIONS TO DREDGED MATERIAL	6	6	1	5	6	6	1	3
RESEARCH AND RESULTS	1	1			1	1	1	3
NEW METHODS	3	3			3	3		
MONEY SPENDING CONTRACTS AND CONTRACTOR	2	2			2	2		
BACTERIOLOGY	1	1			1	1	1	3
MICROBIOLOGY	1	1			1	1		
CHANGES IN NATURAL ENVIRON	2	2	1	5	2	2	1	3
BUREAU OF RECLAMATION	1	1			1	1	1	3
ACTIVITIES	1	1			1	1		
WHATS BEING DONE AND WHY	9	9	2	10	8	9	2	7
STERILIZATION METHODS	1	1			1	1		
PCB#S	1	1					1	3
HAVEN#T READ IT	4	4	2	10	4	4	2	7
PRACTICAL APPLICATION	1	1			1	1		

Table B-106

TOPICAL AREA 9, KIND OF INFORMATION RECIPIENT LOOKS FOR INITIALLY AND AFTER

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	95	100	20	100	90	100	28	100
SCAN - GENERAL INTEREST	13	14			12	13	2	7
GENERAL OVERVIEW	1	1			1	1		
INTEREST RELATED AREAS	5	5	1	5	4	4	3	11
FLORA AND FAUNA	1	1			1	1		
ON GOING PROJECTS (LOCAL, NATIONAL + INTERNATIONAL)	4	4			3	3	1	3
HEAVY METAL PROBLEMS (CONTAMINATION, FOOD CHAIN)	2	2	1	5	2	2	1	3
RESEARCH AND RESULTS (RFP)	5	5	1	5	5	5	1	3
EFFECT ON AREA VEGETATION	3	3	1	5	3	3	1	3
BENEFICIAL USE AND REUSE	2	2			2	2		
APPLICABLE METHODS	2	2	1	5	2	2	1	3
CHEMICAL POLLUTANTS	1	1			1	1	1	3
NEW CONCEPT OF DREDGED MATERIAL DISPOSAL	4	4			4	4	2	7
WES INFORMATION	1	1			1	1		
START OF NEW PROJECTS, MARSH CREATION, RESTORATION	2	2			1	1	1	3
DEWATERING LEACHATE TOXICANTS ON SEDIMENT	1	1			1	1		
NO SUBSTANTIVE ANSWER	45	47	14	70	44	49	13	46

Table B-107

TOPICAL AREA 10 - RECIPIENT#S ESTIMATE OF ADEQUACY OF INFORMATION

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	92	100	18	100	87	100	26	100
NO	23	25	6	33	22	25	7	27
YES	69	75	12	67	65	75	19	73

Table B-108

TOPICAL AREA 11 - RECIPIENT≠S BASIS FOR ESTIMATE

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	21	100	6	100	20	100	7	100
NO SINGLE PUBLICATION CAN MEET ALL NEEDS	2	9	2	33	2	10	1	14
IT≠S GENERAL, MORE INFO WOULD CONTACT RESEARCH PERSON	9	43	2	33	8	40	4	57
ONLY BASIC SUMMARY	4	19			4	20	1	14
LACK DETAIL DESCRIBING RESEARCH	4	19	2	33	4	20	1	14
TOO TECHNICAL	1	5			1	5		
FEW PUBLISHED RESULTS ON STUDIES	1	5			1	5		

TABLE B-109

TOPICAL AREA 12 - ADDITIONAL TYPES OF INFORMATION RECIPIENT WOULD PREFER

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	97	100	20	100	92	100	28	100
BIOLOGICAL INFO	6	6	1	5	6	6	1	3
UTILIZATION AND IMPLEMENTATION (HOW TO)	5	5	1	5	5	5	2	7
PROJECT DETAILS	4	4	1	5	4	4	1	3
COSTAL WETLANDS	1	1			1	1		
PROGRESS IN OTHER COUNTRIES	1	1			1	1		
PROJECT#S DIRECTOR NAME AND ADDRESS	1	1			1	1		
INCLUDE OTHER THAN DMRP ACTIVITIES, SCIENTIFIC	1	1			1	1		
REFERENCES IN BACK	3	3			3	3		
LABORATORY STUDIES, CASE HISTORIES, RESEARCH CASES	4	4			4	4		
MONITORING/RESEARCH OF ACTUAL DREDGE PROJECTS	1	1			1	1		
REPORT ON ALL PROJECTS	3	3			3	3		
MORE ILLUSTRATION	1	1	1	5	1	1	1	3
EVALUATION OF DREDGING ALTERNATIVES	1	1					1	3
SIGHT REFERENCE TO OTHER RESEARCH AREAS	1	1			1	1		
MEASUREMENT TOLERANCE	2	2			2	2		
WHOLE ARTICLE INTEXT ORIGINAL ARTICLE	3	3	1	5	3	3	1	3
GRANT APPLICATION	3	3	1	5	2	2	1	3
SATISFACTORY, FINE, DOING A A GOOD JOB	19	19	4	20	17	18	8	28
NOTHING, NOT A PRIMARY CONCERN	36	37	10	50	35	38	12	43

Table B-110

TOPICAL AREA 13 - DISPOSITION OF PUBLICATION AFTER READING

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	92	100	19	100	87	100	27	100
SAVE IT	62	67	10	53	57	65	16	59
PASS IT ON	26	28	7	37	26	30	10	37
DISCARD IT	4	4	2	10	4	4	1	4

Table B-111

TOPICAL AREA 14 - ESTIMATED NUMBER OF READERS OF RECIPIENT'S COPY

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	61	100	11	100	57	100	19	100
1 - 3 READERS	17	28	1	9	15	26	5	26
4 - 7	24	39	7	64	23	40	9	47
8 - 11	7	11	2	18	7	12	2	10
12 - 15	3	5			2	3	1	5
16 - 19	2	3			2	3		
20 - 24	8	13	1	9	8	14	2	10

Table B-112

TOPICAL AREA 15 - NEED FOR REFERRAL TO PAST ISSUES

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	85	100	17	100	80	100	25	100
NO	21	25	5	29	20	25	7	28
YES	63	74	12	70	60	75	17	68

Table B-113

TOPICAL AREA 16 - EASE OR DIFFICULTY WHEN LOCATING ITME OF INTEREST IN

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	66	100	13	100	62	100	18	100
EASY	54	82	12	92	51	82	14	78
DIFFICULT	12	18	1	8	11	18	4	22

Table B-114

TOPICAL AREA 17 - SUGGESTIONS FOR ENHANCING EASE OF FINDING TIMES IN PAST ISSUES

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	12	100	1	100	11	100	4	100
ANNUAL INDEX	8	67	1	100	7	64	4	100
TABLE OF CONTENTS	4	33			4	36		

Table B-115

TOPICAL AREA 18 - EXAMPLE OF TOPICAL AREAS LOOKED UP IN PAST ISSUES

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	74	100	13	100	70	100	18	100
CAN≠T REMEMBER	1	1			1	1		
SAN FRANCISCO BAY STUDY	1	1			1	1		
RELEASE OF PESTICIDES IN DREDGE MATERIAL	1	1			1	1		
ORGANIZATIONAL SET UP	1	1			1	1		
PROGRAM MANAGEMENT	1	1			1	1		
REPORT IN SEDIMENT WATER INTERACTION	1	1			1	1		
PCB	2	3	1	8	1	1	2	11
RESTORATION OF MARSHES	3	4	1	8	3	4	1	5
PUGET SOUND	1	1	1	8	1	1		
INSERT IN MIDDLE OF ISSUES	1	1			1	1		
BEACH STABILIZATION	1	1	1	8	1	1	1	5
CHEMICAL TECHNIQUE OF DREDGED MATERIAL	1	1			1	1		
EROSION CONTROL	1	1			1	1	1	5
DREDGED MATERIAL DISPOSAL	4	5			4	6	1	5
DE-WATERING OF DREDGE MATERIAL	1	1	1	8	1	1	1	5
IMPROVED LANDSCAPING WITH DREDGED MATERIAL	1	1	1	8	1	1	1	5
POLLUTION CONTROL	1	1	1	8	1	1		
MARSH CREATION	2	3			1	1	1	5
NAMES AND TYPES OF NEW EQUIPMENT	2	3	1	8	2	3	2	11
CONN. RIVER DREDGE PROJECT	1	1			1	1		
STRUCTURE	1	1			1	1		
REVEGETATION OF A FILLED AREA	2	3			2	3		
AESTHETICS - DESIGN OF SPOIL ISLANDS	1	1			1	1		
CONSOLIDATION OF SLUDGES	1	1			1	1	1	5

NORMAL END-OF-JOB (0 7000)

Table B-116

TOPICAL AREA 19 - EXPERIENCE IN REPRODUCING BULLETIN ARTICLES

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	89	100	17	100	84	100	25	100
NO	63	71	13	76	59	70	20	80
GOOD	21	23	2	12	20	24	3	12
POOR	5	6	2	12	5	6	2	8

Table B-117

TOPICAL AREA 20 - RECIPIENT≠S VIEWS OF WHY BULLETIN WAS PUBLISHED

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	97	100	20	100	92	100	28	100
GOOD ADVERTISEMENT IN PUBLIC RELATIONS	20	21	6	30	20	22	5	18
LETS PEOPLE KNOW THEY ARE WORKING IN ENVIRONMENTAL AREA	22	23	4	20	21	23	7	25
KEEPS PEOPLE ABREAST OF HAPPENINGS	16	16	6	30	15	16	7	25
KEEPS OTHERS INTERESTED, INFORMED OF THE PROGRESS OF THEIR PROGRAM	17	17	4	20	15	16	5	18
TO ASSIST OTHERS IN LEARNING ENVIRON EFFECT OF DREDGING	5	5	1	5	5	5	2	7
TO TRANSFER THE TECHNOLOGY AND DEVELOPMENT WORK THEY AND OTHERS ARE DOING TO GENERAL INTERESTED COMMUNITY	32	33	4	20	30	33	10	36
PUBLIC RELATIONS TO IMPROVE PAST IMAGE	4	4	1	5	4	4		
CONGRESSIONAL MANDATE	8	8			8	9		
SHOWING HOW THEIR RESEARCH MONEY IS SPENT	6	6	1	5	6	7		
COMMUNITY INVOLVEMENT	6	6	1	5	6	7	2	7
TO SHOW RECENT METHODS FOR DISPOSAL	6	6	2	10	6	7	3	11
DESCRIBE RESULTS OF RESEARCH PROGRAM	10	10	1	5	9	10	2	7

Table B-118

	BULLETIN KNOWLEDGE		EVALUATION			
	TOTAL		AIR	WATER	SOLID	
NUMBER OF RESPONDENTS	100		21	95	29	
NUMBER ANSWERING	100	100	21	100	95	100	29	100
NONE	8	8	3	14	8	8	2	7
2	21	21	2	9	21	22	3	10
3	25	25	6	28	25	26	10	34
4	29	29	9	43	27	28	10	34
5	16	16	1	5	14	15	3	10
EXTENSIVE	1	1					1	3

	BULLETIN KNOWLEDGE			EVALUATION			
	AIR	WATER	SOLID	A W	A S	W S	
NUMBER OF RESPONDENTS		65	5	6		9	
NUMBER ANSWERING		65	100	5	100	6	100	9	100
NONE		4	6			2	33	1	11
2		18	28					1	11
3		15	23					4	44
4		16	25	2	40	3	50	2	22
5		12	18	2	40	1	17	1	11
EXTENSIVE				1	20				

	BULLETIN KNOWLEDGE	EVALUATION
	A W S	
NUMBER OF RESPONDENTS	15	
NUMBER ANSWERING	15	100
NONE	1	7
2	2	13
3	6	40
4	6	40

NORMAL END-OF-JOB (0 7000)

Table B-119

TOPICAL AREA 21 - RECIPIENT≠S VIEW OF WHICH ENVIRONMENTAL IMPACT OF DREDGING IS OF HIGHEST RESEARCH IMPORTANCE

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	97	100	20	100	92	100	29	100
MAJOR RESEARCH IMPORTANCE								
WATER QUALITY	34	35	9	45	31	34	12	41
AQUATIC ORGANISMS	37	38	6	30	36	39	9	31
AESTHETICS	2	2			2	2	2	7
LAND USE	10	10	3	15	10	11	2	7
WATER USE	3	3			2	2	1	3
ALL, CAN≠T PICK	11	11	2	10	11	12	3	10
SECOND MOST IMPORTANT								
WATER QUALITY	24	25	4	20	23	25	7	24
AQUATIC ORGANISMS	20	21	7	35	19	21	6	21
AESTHETICS	5	5	1	5	5	5		
LAND USE	19	19	2	10	16	17	6	21
WATER USE	17	17	4	20	17	18	7	24

Table B-120

TOPICAL AREA 22 RECIPIENTS AWARENESS OF DMRP REPORT

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	96	100	20	100	91	100	29	100
NO	33	34	5	25	30	33	10	34
YES	63	66	15	75	61	67	19	65

Table B-121

TOPICAL AREA 23 RECIPIENTS KNOWLEDGE OF DMRP REPORT

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	63	100	15	100	61	100	19	100
LAND FILL AND CONSTRUCTION	1	1					1	5
DISPOSAL DREDGED MATERIAL	4	6			3	5	1	5
OVERALL STUDY OF DREDGING	1	1	1	7	1	2	1	5
RE-ESTABLISHMENT OF MARSHES	4	6	1	7	4	6	1	5
WATER QUALITY	2	3	1	7	2	3	1	5
THE EFFECT ON TRACE MATERIAL	2	3	1	7	2	3		
ANNUAL REPORT	2	3			2	3		
LAB. STUDY OF PESTICIDES	1	1			1	2		
MEASUREMENT OF ENVIRONMENTAL ODORS	1	1			1	2		
LEACHATE TEST (EVALUATION RESEARCH)	1	1			1	2		
ISLAND RESEARCH	1	1			1	2		
SAN FRANCISCO BAY DREDGING STUDY	1	1			1	2		
CHEMICAL PCB≠S	1	1			1	2		
ENVIRON IMPACTS OF DREDGING	1	1	1	7	1	2	1	5
SEPARATION + DEWATERING OF HYDRO-BIOLOGICAL ZONES	1	1			1	2		
DOESN≠T REMEMBER	36	57	9	60	35	57	13	68
ALL OF THEM	2	3			2	3		

Table B-122

TOPICAL AREA 24 - RECIPIENT#S KNOWLEDGE OF SOURCES OF REPORT COPY

	TOTAL		AIR		WATER		SOLID	
NUMBER OF RESPONDENTS	100		21		95		29	
NUMBER ANSWERING	46	100	12	100	45	100	13	100
OBTAINED COPY FROM								
LIBRARY	2	4			2	4	1	8
ARMY CORPS OF ENGINEERS	20	43	5	42	20	44	4	31
NATIONAL TECHNICAL INFORMATION SERVICE (NTIS)	3	6	1	8	3	7	1	8
OTHER	18	39	4	33	17	38	6	46
WOULD SEEK REPORT FROM								
LIBRARY	1	3			1	3	1	10
ARMY CORPS OF ENGINEERS	18	58	2	40	16	55	5	50
NATIONAL TECHNICAL INFORMATION SERVICE (NTIS)	2	6			2	7		
OTHER	10	32	3	60	10	34	4	40

APPENDIX C

DATA FROM SELF-ADMINISTERED QUESTIONNAIRE

The tables in Appendix C present the responses to the self-administered questionnaire obtained from the total survey sample of 938. The sequence of these tables is that of the questions as shown in Appendix A (Pages A-2 through A-9).

TABLE C-1

1a. To which of the listed "project areas and related activities" are you presently assigned?

b. If you are assigned to more than one project area, indicate the approximate percent (%) of time you allocate to each in column b?

c. Has your assignment to the project been for more or less than a six month period (column c)?

d. Do you have an interest whether or not job related, in any project area?

Table C-1 (a-o) is shown on the following pages (C-3 - C-17).

(a) Basin Planning
(b) Bridge Construction
(c) Clearing Waterways
(d) Dam, Reservoir & Water Control
(e) Dredging, Maintenance
(f) Dredging, New Work
(g) Environmental Inventory
(h) Flood Control
(i) Hydroelectric Power
(j) Recreation Resource
(k) Shore Protection
(l) Urban Development
(m) Waste Treatment
(n) Water Supply
(o) Emergency Operations

Project Area:
Basin Planning

Table C-1 (a)

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	80 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	24.9	64.5	13.4	8.3	6.0	7.8	22.8	77.2	17.3
1	85	29.4	59.1	4.5	13.6	13.6	9.1	28.6	71.4	14.1
2	126	18.5	55.0	20.0	5.0	-	20.0	9.5	90.5	22.2
3	97	38.3	67.6	13.5	13.5	2.7	2.7	16.1	83.9	15.5
4	107	21.0	66.7	4.8	-	14.3	14.3	9.5	90.5	13.1
5	46	15.9	57.1	-	28.6	14.3	-	50.0	50.0	17.4
6	79	32.1	62.5	12.5	8.3	8.3	8.3	23.8	76.2	20.3
7	47	23.4	60.0	30.0	-	-	10.0	55.6	44.4	12.8
8	83	21.7	76.5	11.8	5.9	-	5.9	20.0	80.0	19.3
9	71	22.9	64.7	23.5	5.9	-	5.9	28.6	71.4	14.1
10	42	34.1	54.5	18.2	9.1	18.2	-	16.7	83.3	14.3
11	71	28.6	57.9	21.0	10.5	-	10.5	38.9	61.1	22.5
12	84	15.7	91.7	-	-	8.3	-	15.4	84.6	17.9

Project Area:
Bridge Construction

Table C-1 (b)

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	939	12.8	89.4	7.1	-	1.8	1.8	28.0	72.0	9.8
1	85	15.3	84.6	15.4	-	.0	.0	28.6	71.4	8.2
2	126	7.3	85.7	14.3	-	.0	-	16.7	83.3	15.9
3	97	20.2	89.5	5.3	-	-	5.3	13.3	86.7	9.3
4	107	10.4	100.0	-	-	-		22.2	77.8	6.5
5	46	15.9	100.0	-	-	-	-	50.0	50.0	6.5
6	79	24.4	77.8	11.1	-	5.6	5.6	37.5	62.5	15.2
7	47	14.9	71.4	14.3	-	14.3	-	33.3	66.7	14.9
8	83	9.6	100.0	-	-	-	-	28.6	71.4	7.2
9	71	8.6	80.0	20.0	-	-	-	50.0	50.0	8.5
10	42	19.5	100.0	-	-	-	-	25.0	75.0	2.4
11	71	5.7	100.0	-	-	-	-	33.3	66.7	9.9
12	84	8.4	100.0	-	-	-	-	28.6	71.4	8.3

Table C-1 (c)

Project Area:
Clearing Waterways

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	80 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	20.1%	82.9%	11.4%	4.0%	.6%	1.1%	23.9%	76.1%	10.0%
1	85	22.4	72.2	16.7	5.6	-	50.0	13.5	72.2	10.6
2	126	21.8	78.3	13.0	4.3	4.3	-	5.4	91.3	13.5
3	97	17.0	94.1	-	5.9	-	-	10.8	71.4	14.4
4	107	23.8	75.1	20.8	.0	-	50.0	2.7	94.7	7.5
5	46	29.5	84.6	7.7	7.7	-	-	8.1	72.7	6.5
6	79	16.9	100.0	-	.0	-	-	10.8	60.0	7.6
7	47	25.5	75.0	16.7	8.3	-	-	8.1	62.5	12.8
8	83	10.8	100.0	-	.0	-	-	5.4	77.8	7.2
9	71	21.4	91.7	8.3	.0	-	-	5.4	80.0	9.9
10	42	14.6	83.3	16.7	.0	-	-	2.7	80.0	9.5
11	71	14.3	77.8	11.1	.0	-	-	55.6	44.4	7.0
12	84	25.0	81.0	14.3	4.8	-	-	26.3	73.7	10.7

Project Area:
Dam, Reservoir & Water Control

Table C-1 (d)

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	38.5	48.9	24.5	12.4	7.6	6.6	14.2	85.8	15.6
1	85	21.2	88.2	-	-	5.9	5.9	29.4	70.6	18.8
2	126	28.5	66.7	23.3	6.7	-	3.3	14.7	85.3	20.6
3	97	55.3	34.0	30.0	8.0	18.0	10.0	4.7	95.3	14.4
4	107	31.1	53.3	36.7	3.3	-	6.7	6.7	93.3	13.1
5	46	29.5	91.7	8.3	-	-	-	40.0	60.0	8.7
6	79	59.0	41.9	23.3	20.9	7.0	7.0	10.5	89.5	13.9
7	47	36.2	56.3	18.8	25.0	-	-	38.5	61.5	17.0
8	83	37.3	21.4	28.6	25.0	14.3	10.7	7.4	92.6	10.8
9	71	47.8	40.0	26.7	16.7	3.3	13.3	10.7	89.3	11.3
10	42	48.8	27.8	50.0	-	16.7	5.6	11.8	88.2	11.9
11	71	38.6	46.2	15.4	23.1	15.4	-	18.2	81.8	18.3
12	84	36.9	67.7	16.1	9.7	-	6.5	20.0	80.0	21.4

Project Area:
Dredging, Maintenance

Table C-1 (e)

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	
Total	938	28.6	53.5	16.7	7.3	9.8	9.0	6.0	18.5	-
1	85	16.5	75.0	16.7	-	-	8.3	15.4	84.6	-
2	126	32.5	55.9	23.5	8.8	2.9	8.8	16.2	83.8	-
3	97	13.8	69.2	23.1	-	-	7.7	44.9	55.6	-
4	107	21.7	63.6	9.1	4.5	9.1	13.6	5.9	94.1	-
5	46	42.2	43.8	18.8	25.0	6.3	6.3	42.9	57.1	-
6	79	30.8	60.9	17.4	4.3	13.0	4.3	33.3	66.7	-
7	47	46.8	34.8	43.5	8.7	4.3	8.7	38.9	61.1	-
8	83	25.3	31.6	10.5	15.8	21.1	21.1	22.2	77.8	-
9	71	38.6	58.3	25.0	4.2	12.5	-	23.9	76.1	-
10	42	22.0	75.0	-	12.5	-	12.5	22.2	77.8	-
11	71	38.6	60.0	24.0	4.0	12.0	-	36.6	64.0	-
12	84	31.1	38.5	15.4	3.8	23.1	19.2	11.1	88.9	-

Project Area:
Dredging
New Work

Table C-1 (f)

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	28.1	71.7	18.3	4.6	2.9	2.5	23.9	76.1	10.4
1	85	25.0	75.0	15.0	5.0	-	5.0	19.0	81.0	7.1
2	126	27.6	70.0	20.0	6.7	-	3.3	16.7	83.3	13.5
3	97	13.8	83.3	-	-	8.3	8.3	22.2	77.8	15.5
4	107	21.2	81.8	9.1	4.5	4.5	-	21.1	78.9	7.5
5	46	44.4	68.4	26.3	5.3	-	-	35.7	64.3	6.5
6	79	27.3	84.2	15.8	.0	-	-	29.4	70.6	12.7
7	47	28.3	75.0	25.0	.0	-	-	30.0	70.0	12.8
8	83	20.7	64.3	28.6	7.1	-	-	23.1	76.9	8.4
9	71	41.4	50.0	42.3	-	3.8	3.8	17.4	82.6	14.1
10	42	26.8	100.0	-	-	-	-	33.3	66.7	7.1
11	71	38.6	6.7	7.7	15.4	7.7	7.7	41.7	58.3	8.5
12	84	36.1	9.2	16.7	3.3	6.7	-	13.8	86.2	8.3

Project Area:
Environmental Inventory

Table C-1 (g)

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	933	28.2%	63.9%	13.0%	7.1%	6.7%	9.2%	20.8%	79.2%	13.9%
1	85	22.4	63.2	5.3	21.1	-	10.5	17.6	82.4	15.3
2	126	30.1	64.7	20.6	2.9	2.9	8.8	13.3	86.7	19.8
3	97	35.1	78.8	18.2	-	3.0	-	18.5	81.5	12.4
4	107	18.9	77.8	5.6	5.6	11.1	-	17.6	82.4	12.1
5	46	25.0	50.0	25.0	.0	12.5	12.5	33.3	66.7	10.9
6	79	17.9	46.2	23.1	15.4	7.7	7.7	10.0	90.0	17.7
7	47	31.9	60.0	6.7	6.7	-	26.7	58.3	41.7	12.8
8	83	33.7	54.2	16.7	-	12.5	16.7	24.0	76.0	16.9
9	71	32.9	65.0	10.0	5.0	5.0	15.0	20.0	80.0	7.0
10	42	26.8	66.7	11.1	22.2	-	-	22.2	77.8	9.5
11	71	30.0	55.0	5.0	15.0	20.0	5.0	18.8	81.3	19.7
12	84	65.5	64.0	8.0	8.0	8.0	12.0	16.7	83.3	6.0

Project Area:
Flood Control

Table C-1 (h)

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	53.1	38.3	21.8	12.2	10.9	16.8	5.3	39.5	12.9%
1	85	70.6	19.6	12.5	12.5	19.6	35.7	7.1	60.1	7.1
2	126	54.4	36.1	24.6	8.2	8.2	23.0	3.2	42.1	20.6
3	97	59.6	47.2	28.3	13.2	3.8	7.5	2.1	49.5	12.4
4	107	59.4	27.1	28.8	8.5	16.9	18.6	3.7	48.6	11.2
5	46	54.5	34.8	13.0	17.4	26.1	8.7	15.6	24.4	10.9
6	79	47.4	57.6	30.3	3.0	9.1	-	6.3	29.1	15.2
7	47	34.0	75.0	12.5	12.5	-	-	6.4	17.0	12.8
8	33	31.3	64.0	16.0	16.0	-	4.0	3.6	21.7	13.3
9	71	57.1	36.1	25.0	19.4	5.6	13.9	2.8	40.8	8.5
10	42	51.2	42.1	21.1	21.1	10.5	5.3	4.8	40.5	9.5
11	71	45.7	40.0	26.7	16.7	-	16.7	9.9	32.4	12.7
12	84	58.3	27.7	12.8	10.6	19.1	29.8	6.0	44.0	14.3

Project Area:
Hydroelectric Power

Table C-1 (i)

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	10.3%	71.3%	12.6%	9.2%	3.4%	3.4%	27.5%	72.5%	11.8%
1	85	1.2	100.0	.0	.0	.0	.0	33.3	66.7	5.9
2	126	1.6	100.0	.0	.0	.0	.0	66.7	33.3	11.1
3	97	22.6	85.7	9.5	4.8	.0	.0	21.1	78.9	12.4
4	107	14.3	66.7	26.7	.0	6.7	.0	18.8	81.3	10.3
5	46	4.5	100.0	.0	.0	.0	.0	66.7	33.3	17.4
6	73	9.1	83.3	.0	16.7	.0	.0	40.0	60.0	20.3
7	47	4.3	100.0	.0	.0	.0	.0	100.0	.0	;7.0
8	83	34.9	40.9	13.6	22.7	9.1	13.6	9.1	90.9	8.4
9	71	1.4	100.0	-	-	-	-	.0	100.0	8.5
10	42	24.4	81.8	9.1	9.1	.0	.0	45.5	54.5	9.5
11	71	5.7	75.0	25.0	.0	.0	.0	33.3	66.7	15.5
12	34	1.2	100.0	.0	.0	.0	.0	50.0	50.0	10.7

Project Area:
Recreation Resource

Table C-1 (j)

District	Total Surveyed =	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	29.5 %	74.5 %	10.0 %	8.5 %	2.3%	4.6 %	20.8 %	79.2 %	16.2 %
1	85	28.2	95.7	-	4.3	-	-	20.0	80.0	14.1
2	126	21.1	78.3	8.7	8.7	-	4.3	9.5	90.5	21.4
3	97	42.6	69.2	2.6	23.1	-	5.1	14.3	85.7	14.4
4	107	31.1	48.5	24.2	6.1	9.1	12.1	3.7	96.3	14.0
5	46	22.7	100.0	-	-	-	-	62.5	37.5	15.2
6	79	38.5	81.5	11.1	7.4	-	-	30.4	69.6	16.5
7	47	36.2	88.2	5.9	5.9	-	-	58.3	41.7	10.6
8	83	37.3	72.4	3.4	3.4	10.3	10.3	15.4	84.6	13.3
9	71	21.4	92.9	-	-	-	7.1	16.7	83.3	19.7
10	42	22.0	55.6	22.2	22.2	-	-	20.0	80.0	14.3
1111	71	26.1	58.8	29.4	11.8	-	-	40.0	60.0	16.9
12	84	22.9	78.9	15.8	-	-	5.3	11.8	88.2	19.0

Project Area:
Shore Protection

Table C-1 (k)

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	40 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	30.6	71.9	14.6	8.6	.7	4.1	24.1	75.9	14.8
1	85	14.1	63.6	36.4	-	-	-	27.3	72.7	9.4
2	126	35.5	75.7	8.1	8.1	-	8.1	10.5	89.5	14.3
3	97	35.1	72.7	9.1	9.1	3.0	6.1	14.3	85.7	11.3
4	107	13.2	71.4	14.3	7.1	-	7.1	7.7	92.3	7.5
5	46	37.8	75.0	12.5	12.5	-	.0	40.0	60.0	17.4
6	79	35.9	77.8	11.1	7.4	-	3.7	42.9	57.1	22.8
7	47	51.1	41.7	29.2	25.0	-	4.2	50.0	50.0	19.1
8	83	24.1	94.1	-	5.9	-	-	6.7	93.3	19.3
9	71	40.0	57.1	28.6	7.1	3.6	3.6	31.8	68.2	9.9
10	42	29.3	72.7	9.1	9.1	-	9.1	10.0	90.0	16.7
11	71	32.9	70.0	20.0	10.0	-	-	30.0	70.0	14.1
12	84	34.5	89.7	6.9	-	-	.4	26.9	73.1	22.6

Table C-1 (1)

Project Area:
Urban Development

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	9.9	84.9	9.3	2.3	2.3	1.2	32.5	67.5	15.6
1	85	10.6	75.0	-	-	25.0	-	20.0	80.0	10.6
2	126	6.5	85.7	14.3	-	-	-	44.4	55.6	12.7
3	97	22.3	86.4	9.1	4.5	-	-	28.6	71.4	20.6
4	107	7.5	100.0	-	-	-	-	.0	100.0	8.4
5	46	4.5	100.0	-	-	-	-	66.7	33.3	19.6
6	79	14.1	77.8	11.1	11.1	-	-	50.0	50.0	16.5
7	47	10.6	100.0	-	-	-	-	100.0	.0	10.6
8	83	7.3	100.0	-	-	-	-	40.0	60.0	13.3
9	71	10.0	83.3	16.7	-	-	-	.0	100.0	11.3
10	42	7.3	100.0	-	-	-	-	.0	100.0	11.9
11	71	13.2	8.1	11.1	-	-	11.1	25.0	75.0	29.6
12	84	2.4		100.0	-	-	-	66.7	33.3	23.8

Table C-1 (m)

Project Area:
Waste Treatment

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	80 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	13.2	90.5	6.9	.9	-	1.7	24.8	75.2	13.9
1	85	4.7	100.0	-	-	-	-	.0	100.0	10.6
2	126	6.6	85.7	14.3	-	-	-	11.1	88.9	17.5
3	97	23.4	81.0	14.3	-	-	4.8	15.8	84.2	11.3
4	107	17.9	83.3	11.1	-	-	5.6	14.3	85.7	6.5
5	46	13.6	100.0	-	-	-	-	50.0	50.0	15.2
6	79	9.1	100.0	-	-	-	-	40.0	60.0	21.5
7	47	19.1	100.0	-	-	-	-	83.3	16.7	2.1
8	83	20.7	87.5	6.3	6.3	-	-	15.4	84.6	12.0
9	71	8.6	100.0	-	-	-	-	20.0	80.0	12.7
10	42	17.1	100.0	-	-	-	-	14.3	85.7	16.7
11	71	17.4	92.3	7.7	-	-	-	50.0	50.0	16.9
12	84	4.8	100.0	-	-	-	-	33.3	66.7	21.4

Table C-1 (n)

Project Area:
Water Supply

District	Total Surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%		%	%	%
Total	938	16.9	89.4	8.5	1.4	.7	-	23.7	76.3	16.3
1	85	4.7	100.0	-	-	-	-	33.3	66.7	12.9
2	126	13.1	84.6	15.4	-	-	-	.0	100.0	19.0
3	97	14.9	100.0	-	-	-	-	16.7	83.3	19.6
4	107	17.9	88.2	11.8	-	-	-	12.5	87.5	10.3
5	46	9.1	100.0	-	-	-	-	50.0	50.0	19.6
6	79	17.9	75.0	8.3	8.3	8.3	-	33.3	66.7	22.8
7	47	14.9	100.0	-	-	-	-	60.0	40.0	12.8
8	83	31.3	100.0	-	-	-	-	19.0	81.0	12.0
9	71	22.9	73.3	20.0	6.7	-	-	8.3	91.7	12.7
10	42	29.3	91.7	8.3	-	-	-	25.0	75.0	11.9
11	71	24.6	7.9	23.1	-	-	-	38.5	61.5	19.7
12	84	8.4	5.6	-	-	-	-	50.0	50.0	2-.2

Table C-1 (o)

Project Area:
Emergency Operations

District	Total surveyed	Assigned	% Time Allocated					Assigned Six Months		Not assigned but has an interest
			1 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Less than	More than	
	#	%	%	%	%	%	%	%	%	%
Total	938	25.8	90.0	6.5	2.2	-	.4	29.2	70.8	14.8
1	85	27.1	100.0	-	-		-	36.8	63.2	21.2
2	126	27.6	87.1	12.9	-	-	-	33.3	66.7	19.8
3	97	25.5	92.0	4.0	4.0	-	-	15.8	84.2	10.3
4	107	26.4	75.9	20.7	3.4	-	-	16.7	83.3	11.2
5	46	34.1	100.0	-	-	-	-	41.7	58.3	17.4
6	79	16.9	100.0	-	-	-	-	40.0	60.0	21.5
7	47	23.9	83.3	8.3	-	-	8.3	55.6	44.4	10.6
8	83	25.6	85.7	9.5	4.8	-	-	10.5	89.5	13.3
9	71	18.6	100.0	-	-	-	-	36.4	63.6	12.7
10	42	19.5	100.0	-	-	-	-	25.0	75.0	11.9
11	71	25.0	88.9	5.6	5.6	-	-	56.3	43.8	11.3
12	84	35.7	96.4	-	3.6	-	-	16.0	84.0	13.1

Table C-2

Q. 2 Name the organizational categories to which you are currently assigned. (Division, Branch)

Number of Respondents	938	
Number Not Answering	44	
Number Answering	894	100%
Environmental resources	17	1.0
Flood plain management	6	0.7
Economics	9	1.0
Plan formulation	9	1.0
Regional and long-range planning	5	0.6
Design	165	18.5
Design memo	6	0.7
Environmental resources	41	4.6
Engineering systems and programming	6	0.7
Environmental quality	3	0.3
Foundations and materials	81	9.1
Flood plain management	15	1.7
Naval, shoreline, and estuarine planning	12	1.3
Project management	7	0.8
Project planning	18	2.0
River stabilization	9	1.0
Civil projects management	6	0.7
Hydraulics and hydrology	48	5.4
Planning	81	9.1
Planning and reports	31	3.5
Water resources and urban planning	21	2.3
Construction	12	1.3
Office engineering	2	0.2
Supervision and inspection	25	2.8
Construction service	4	0.4
Civil, military projects	1	0.1
Lake and harbor	3	0.3
Maintenance	1	0.1
Navigation	36	4.0
Permits and Statistics	12	1.3
Project operations	14	1.6

Table C-2 (concluded)

Q. 2

Number Answering	894	100%
Regulatory	20	2.2
Recreation-resource management	21	2.3
Construction	7	0.8
Navigation	3	0.3
Operations & maintenance	8	0.9
Operations	3	0.3
Permit	8	0.9
Project operations	1	0.1
Regulatory functions	1	0.1
Budget and administrative	1	0.1
Recreation resource management	2	0.2
Area office	85	9.5
Contract liasion	1	0.1
Plant	7	0.8
Technical services	4	0.4
Waterways maintenance	4	0.4
Plant	3	0.3
Regulatory functions	1	0.1
Engineering	1	0.1
Survey	2	0.2
Contractual administration	2	0.2
Value engineering	1	0.1
Revetment	1	0.1

Table C-3

Q. 3 What is your present Military or Civil Service job title?

Number of Respondents	938	
Number Answering	920	100%
Assistant chief/engineer	12	1.3
Acting area engineer	1	0.1
Fishery/biologist	3	0.3
Budget analyst	3	0.3
Branch chief	2	0.2
Construction representative/superintendent	19	2.1
Chemist	1	0.1
Chief	46	5.0
Civil engineer	293	31.8
Captain	3	0.3
Engineering technican	32	3.5
Economist	14	1.5
Electrical engineer	4	0.4
Editor/technical writer	4	0.4
Geologist	21	2.3
Hydraulic engineer	43	4.7
Illustrator	1	0.1
Landscape architect/outdoor recreation planner	18	2.0
Mechanical engineer	1	0.1
Mathematican	1	0.1
Program analyst/operations	11	1.2
Permit specialist	1	0.1
Park manager/recreation manager	7	0.8
Resident engineer	5	0.5
Regional economist	17	1.8
Section chief	1	0.1
Structural engineer	5	0.5
Sanitary engineer	8	0.9

Table C-3 (continued)

Q. 3

Number Answering	920	100%
Supervisory hydrology engineer	16	1.7
Hydrologic technican	3	0.3
Civil engineer technican	51	5.2
Ecologist/agronomist	4	0.4
Plant manager	1	0.1
General engineer	5	0.5
Ship surveyor	1	0.1
Power project superintendent	1	0.1
Environmental resources/environmental specialist	19	2.1
Coordinator	1	2.1
Military assistant	3	0.3
Management assistant	2	0.2
Supervisor	2	0.2
Architect	6	0.7
Public information specialist	1	0.1
Physical scientist	2	0.2
Ground water specialist	1	0.1
Forester	3	0.3
Facility manager	3	0.3
Project engineer	6	0.7
Supervisory structural engineer	1	0.1
Area engineer	4	0.4
Oceanographer	5	0.5
Administrative officer	3	0.3
Marine equipment repairman	1	0.1
Shore patrol inspector	1	0.1
Supervisory general engineer	3	0.3
Plan specialist	1	0.1
Supervisory program analyst	1	0.1
Soils engineer	1	0.1
Outdoor recreation planner	4	0.4

Table C-3 (concluded)

Q. 3

Number Answering	920	100%
Public affairs officer	1	0.1
Maintenance superintendent	1	0.1
District engineer	1	0.1
Supervisory engineer	3	0.3
Value engineer officer	1	0.1
Civil service	7	0.7
Supervisory civil engineer (technical)	138	15.0
Water resources planner	1	0.1

Table C-4

Q. 3. If Civil Service, what is your present GS rating?

Total Number Surveyed	938	
Number Answering	908	100%
GS Rating	#	%
9	155	17.1
10	10	1.1
11	305	33.6
12	258	28.4
13	146	16.1
14	28	3.1
15	6	0.7

Table C-5

Q. 4 Identify your area of expertise or specialization

Number of Respondents	938	
Number Answering	928	100%
Agronomy administration	10	1.1
Administration and management	39	4.2
Acquatic plant control	5	0.5
Archaeology	1	0.1
Agriculture economics	3	0.3
Bank stabilization and dredge engineering	1	0.1
Biology	7	0.7
Civil works planning	1	0.1
Civil engineering	380	40.9
Channel stabilization	3	0.3
Computer/systems analysis	13	1.4
Construction and operations	13	1.4
Coastal engineering	9	1.0
Contract administration	9	1.0
Design	5	0.5
Dredging	5	0.5
Electrical distribution/interior wire design	4	0.4
Economics	20	2.2
Engineering	32	3.4
Environmental analysis and planning/ engineering	45	4.8
(Cost) estimating	8	0.9
Estuarine ecology	2	0.2
Field permit inspection	1	0.1
Fiscal management	1	0.1
Foundation engineering	4	0.4
Forestory and wildlife	7	0.8
Geology	19	2.0
Geo-technical	2	0.2
Hydrologic and hydrology engineering	40	4.3
Highway design	1	0.1

Table C-5 (continued)

Q. 4

Number Answering	928	100%
Instrumentation and control	2	0.2
Illustration and design	1	0.1
Landscape architecture/design	11	1.2
Marine engineer and construction	8	0.9
Mechanical engineering	8	0.9
Materials of construction	11	1.2
Navigation	38	4.1
Operations and maintenance	3	0.3
Ocean engineer	2	0.2
Professional mariner	1	0.1
Planning engineer	7	0.8
Regulatory functions	3	0.3
Recreation resource development	9	1.0
River hydraulics	4	0.4
Resource management	4	0.4
Regional/urban planning	3	0.3
Sanitary/environmental engineering	5	0.5
Specification engineering	4	0.4
Structural design	5	0.5
Surveying	1	0.1
Shore protection	1	0.1
Soil mechanics	42	4.5
Technical writer	6	0.6
Water resource planner/analysis	20	2.2
Subsurface exploration	3	0.3
Fishery biology/fish and wildlife	7	0.8
Sociology	2	0.2
No specialization	1	0.1
Public information	3	0.3
Budget and programming	2	0.2
Statistical	1	0.1
Impact assessment	1	0.1
Emergency operations	1	0.1

Table C-5 (concluded)

Q. 4

Number Answering	928	100%
Flood control	1	0.1
Human factor engineering	3	0.3
Permit processing	1	0.1
Botany	1	0.1
Inspection	2	0.2
Geohydrology	2	0.2
Preparation of Government estimates	1	0.1
Revetement of construction and maintenance	1	0.1
Programming	2	0.2
Water chemistry	1	0.1
Project manager	1	0.1
Urban and regional	1	0.1
Architect	1	0.1

Table C-6

Q. 5 In your job, what percent (%) of working time is normally spent away from your usual job location?

Number of Respondents	938	
Number Answering	935	100%
	#	%
None	105	11.2
1 - 20%	710	75.9
21 - 40%	95	10.2
41 - 60%	13	1.4
61 - 80%	10	1.1
over 80%	2	0.2

Table C-7

Q. 6a. In the list of job activities below: a. Check all the activities you usually perform in connection with your job.

Survey Respondents	938	100%
	#	%
Authorizing	269	28.7
Administration	483	51.5
Coordinating	761	81.1
Directing	490	52.2
Persuading	395	42.1
Supervising	555	59.2
Auditing	82	8.7
Controlling	191	20.4
Establishing specifications	334	35.6
Inspecting	437	46.6
Monitoring	390	41.6
Recording	290	30.9
Arbitrating	130	13.9
Appraising	143	15.2
Contracting	196	20.9
Enforcing	174	18.6
Permit Issuing & licensing	103	11.0
Prosecuting	19	2.0
Representing	339	36.1
Approving	368	39.2
Conceptualizing	293	31.2
Estimating	532	56.7
Initiating	417	44.5
Planning	633	67.5
Reviewing	747	79.6
Analyzing	651	69.4
Investigating	604	64.4
Observing	500	53.3
Researching	441	47.0
Report Writing	631	67.3
Constructing	148	15.8
Drafting	170	18.1
Dredging	170	18.1
Engineering	559	63.9
Maintaining	159	17.0
Mapping	131	14.0
Procurement	142	15.1
Surveying	168	17.9
Servicing	41	4.4
Testing	136	14.5
Delegating	388	41.4
Organizing	513	54.7
Selecting	327	34.9
Staffing	229	24.4
Advising	525	56.0
Consulting	421	44.9
Recommending	605	64.6
Liason	363	38.7
Other	7	0.7

Table C-8

Q. 6b. Of these, identify the three (3) you consider primary to your job.

	Identifying Job Activity #	Identifying Primary Job Activity #	Identifying Primary Job Activity %		Identifying Job Activity #	Identifying Primary Job Activity #	Identifying Primary Job Activity %
Authorizing	269	162	33.5	Analyzing	651	163	25.0
Administration	483	162	33.5	Investigating	604	80	13.2
Coordinating	761	270	-	Observing	500	7	1.4
Directing	490	30	6.1	Researching	441	57	12.9
Persuading	395	21	5.3	Report Writing	631	219	34.7
Supervising	555	248	44.7	Constructing	148	26	17.6
Auditing	82	3	3.7	Drafting	170	16	9.4
Controlling	191	10	5.2	Dredging	147	38	25.9
Establishing specifications	334	43	12.9	Engineering	599	260	43.4
Inspecting	437	70	16.0	Maintaining	159	21	13.2
Monitoring	390	25	6.4	Mapping	131	8	6.1
Recording	290	10	3.5	Procurement	142	7	4.9
Arbitrating	130	-	-	Surveying	168	12	7.1
Appraising	143	5	3.5	Servicing	41	2	4.9
Contracting	196	17	8.7	Testing	136	13	9.7
Enforcing	174	14	8.1	Delegating	388	25	6.4
Permit issuing & licensing	103	41	39.8	Organizing	513	51	9.9
Prosecuting	19	1	5.8	Selecting	327	1	0.3
Representing	339	12	3.5	Advising	525	45	8.6
Appraising	368	12	3.3	Consulting	421	27	6.4
Conceptualizing	293	32	10.9	Recommending	605	40	6.6
Estimating	532	76	14.3	Liason	363	23	6.3
Initiating	417	12	2.9				
Planning	633	226	25.7				
Reviewing	747	125	16.7				

Table C-9

Q. 7a. Of all the activities checked in response to "6a" consider those which place the greatest and second greatest demand on you to acquire and utilize new information.

	Greatest		Second Greatest	
	#	%	#	%
Number Answering	938	100	938	100
Authorizing	1	0.1	-	-
Administering	48	5.1	22	2.7
Coordinating	47	5.0	56	6.9
Directing	2	0.2	7	0.9
Persuading	2	0.2	7	0.9
Supervising	41	1.5	40	4.9
Auditing	2	0.2	-	-
Controlling	1	0.1	3	0.4
Establishing specifications	14	1.5	23	2.8
Inspecting	15	1.6	25	3.1
Monitoring	2	0.2	7	0.9
Recording	5	0.5	3	0.4
Arbitrating	-	-	1	0.1
Appraising	-	-	4	0.5
Constructing	2	0.2	13	1.6
Enforcing	4	0.4	3	0.4
Permit issuing and licensing	22	2.3	8	1.0
Representing	1	0.1	7	0.9
Approving	7	0.7	4	0.5
Conceptualizing	21	2.2	9	1.1
Estimating	31	3.8	10	1.2
Initiating	7	0.7	8	1.0
Planning	133	14.2	78	9.7
Reviewing	19	2.0	36	4.4
Analyzing	63	6.7	79	9.7
Investigating	35	3.7	32	4.0
Observing	1	0.1	3	0.4

Table C-9 (concluded)

Q.7a	Greatest		Second Greatest	
	#	%	#	%
Number Answering	938	100	938	100
Researching	46	4.9	39	4.5
Report Writing	35	3.7	69	8.5
Constructing	11	1.2	9	1.1
Drafting	-	-	2	0.2
Dredging	9	1.0	11	1.4
Engineering	154	16.4	61	7.5
Maintaining	7	0.7	10	1.2
Mapping	1	0.1	1	0.1
Procurement	-	-	6	0.7
Surveying	-	-	5	0.6
Servicing	-	-	1	0.1
Testing	1	0.1	6	0.7
Delegating	-	-	4	0.4
Organizing	6	0.6	18	2.2
Selecting	1	0.1	3	0.4
Staffing	-	-	3	0.3
Advising	9	1.0	28	2.4
Consulting	3	0.3	11	1.4
Recommending	12	1.3	23	2.9
Liason	1	0.1	8	1.0
Other	79	8.4	7	0.9
No Answer	32	3.4	93	1.5

Table C-10

Q. 7b. Consider the types of sources you would or might use in acquiring new information. Some are listed below. Rate each source in terms of its usefulness in furnishing information you need for the "greatest" and "second greatest" information demanding activity. Circle for each source, the appropriate number according to the following scale.

	Source Usefulness													
	Greatest							Second Greatest						
	Always						Seldom	Always						Seldom
	#	%	%	%	%	%	%	#	%	%	%	%	%	%
Associate workers	864	4.3	5.7	15.9	25.0	20.9	28.2	779	6.2	9.8	17.3	23.6	18.5	24.6
Conferences, seminars, workshops	854	6.3	10.4	18.4	23.1	21.8	20.0	764	13.4	12.8	17.7	19.4	19.8	17.0
Demonstrations	782	22.4	20.1	18.0	20.1	11.6	7.8	743	29.9	20.5	18.0	16.6	7.3	7.8
Formal Course work	818	11.5	12.0	14.4	21.5	22.9	17.7	738	17.1	14.5	17.5	19.1	17.6	14.2
Non-Corps associates contacts at meetings	806	16.3	15.6	17.7	22.8	16.1	11.4	746	21.8	18.8	18.2	17.7	14.3	9.8
Site Visits	855	4.9	3.6	7.4	16.6	22.9	44.6	742	12.5	6.2	10.4	16.2	19.4	35.3
Supervisors	856	7.5	7.4	13.1	23.7	23.4	25.0	759	9.5	10.1	16.1	20.7	19.1	24.5
Trade Shows	741	51.0	18.9	14.7	9.0	3.6	2.7	726	58.5	16.3	14.0	5.8	3.3	2.1
Books	844	6.3	8.5	12.0	26.1	25.9	21.2	745	13.8	11.8	15.6	21.3	20.5	16.9
Bulletins	812	11.2	14.4	22.0	27.3	15.6	9.4	740	20.8	15.3	23.1	21.4	11.6	7.8
Directives & Guidelines	861	6.6	6.5	15.8	23.8	23.7	23.6	760	10.4	10.9	18.2	22.1	17.9	20.5
Journals (Scientific)	798	14.7	14.0	21.3	22.1	16.7	11.3	739	24.5	17.2	19.9	16.1	13.0	9.3

Table C-10 (concluded)

Q. 7b

	Source Usefulness													
	Greatest							Second Greatest						
	Number Answering	Always					Seldom	Number Answering	Always					Seldom
	#	%	%	%	%	%	%	#	%	%	%	%	%	%
Magazines (Trade & Technical)	815	18.4	16.2	24.7	21.0	12.9	6.9	749	27.2	19.1	22.0	13.9	11.9	5.9
Manuals	825	7.2	10.8	15.0	26.4	21.3	19.3	749	14.7	12.3	18.3	22.3	17.0	15.5
Motion pictures, videotape	776	34.3	19.7	18.2	17.4	7.1	3.4	737	40.2	21.6	17.1	11.7	6.0	3.5
Newsletters	791	26.7	20.4	22.4	20.2	7.3	3.0	736	35.1	21.2	21.3	14.7	5.4	2.3
News Releases	785	37.1	21.3	19.6	4.4	5.4	2.3	741	44.4	20.2	18.4	10.7	4.3	2.0
Preprints, manuscripts, correspondence, etc.	804	12.9	12.2	23.0	25.2	18.0	8.6	746	20.2	14.3	20.4	22.4	14.7	7.9
Reports(Technical)	839	6.7	6.8	16.7	26.3	25.1	18.4	749	12.6	10.4	19.8	21.2	19.4	16.7
Tape Cassettes	748	57.1	18.4	13.6	7.0	2.8	1.1	730	58.8	18.1	11.9	6.8	3.0	1.6

Table C-11

Q. 8 For each category of publications listed below, check the way in which you usually read it.

Publications	Answering	Read in Entirety		Scan for General Information		Scan for Specific Interest Items		Seldom Utilize	
	#	#	%	#	%	#	%	#	%
Books	923	166	18.0	250	27.1	430	46.6	77	8.3
Bulletins (technical)	919	166	18.1	343	37.3	372	40.5	38	4.1
Corps Directives & Guidelines	922	466	50.5	225	24.4	205	22.2	26	2.8
Scientific Journals	912	31	3.4	292	320	436	47.8	153	16.8
Trade & Technical magazines	909	46	5.1	330	36.3	419	46.1	114	12.5
Newsletters	917	199	21.7	316	34.5	276	30.1	126	13.7
Technical Reports	918	212	23.1	288	31.4	367	40.0	51	5.6

Table C-12

Q.9 Consider your job's information needs, both now and in the future. Do you know of any organizational units, such as CERC, CERL, WES or Corps districts, other than your own district, studying and/or working on one or more areas about which you have informational needs.

Number Answering	421	100%
WES	372	88.4
CERL	73	17.3
CERC	70	16.6
HEC	71	16.9
CRREL	4	1.0
ETL	5	1.2
OCE	16	3.8
BERH	6	1.4
IWR	17	4.0
ARS	1	0.2
LMVD	13	3.1
SEAP	3	0.7
DAEN, CWPS	1	0.2
NCD	2	0.5
WRRI	1	0.2
NPW	1	0.2
NDED	2	0.5
LRED	1	0.2
EPA	1	0.2
MPC	2	0.5
EIDSO	2	0.5
NADMD	2	0.5
TOPOCOM	2	0.5
Atlantic Division	1	0.2
North Atlantic Division	2	0.5
North Pacific Division	4	0.5
South Pacific Division	3	0.7
Fort Belvoir	2	0.5
Fort Worth / Galveston District	4	1.0

Number Answering	421	100%
Jacksonville District	3	0.7
Kansas City District	3	0.7
Little Rock District	4	1.0
Los Angeles / San Francisco Dist.	3	0.7
Memphis District	6	1.4
Mobile District	9	2.1
Memphis District	1	0.2
N.E. Division	4	1.0
New Orleans District	7	1.7
New York District	2	0.5
Norfolk District	2	0.5
Philadelphia District	4	1.0
Sacramento District	3	0.7
Savannah District	1	0.2
S Western District	1	0.2
Seattle, Portland District	4	1.0
St. Louis District	7	1.7
St. Paul District	2	0.5
Vicksburg District	6	1.4
Nuclear Cratering Group	1	0.2
Cold Region Research Lab	1	0.2
ASPR Committee	1	0.2
Joint Weather Forecast Group	1	0.2
The Mitre Corp.		
American Forestry Service	1	0.2
National Park Service	2	0.5
Construction Unit	2	0.5
Civil Works	1	0.2
Department of Transportation	1	0.2
Texas A & M University	1	0.2
Other Corps Districts		
(not specified)	52	12.4

AD-A038 887 TEKNEKRON INC WASHINGTON D C F/G 5/2
DESIGN REQUIREMENTS FOR AN INFORMATION DISSEMINATION AND TECHNO--ETC(U)
FEB 77 D M SPEAKER, W H WEISGERBER DACW39-75-C-0092
UNCLASSIFIED WES-CR-D-77-1-VOL-2 NL

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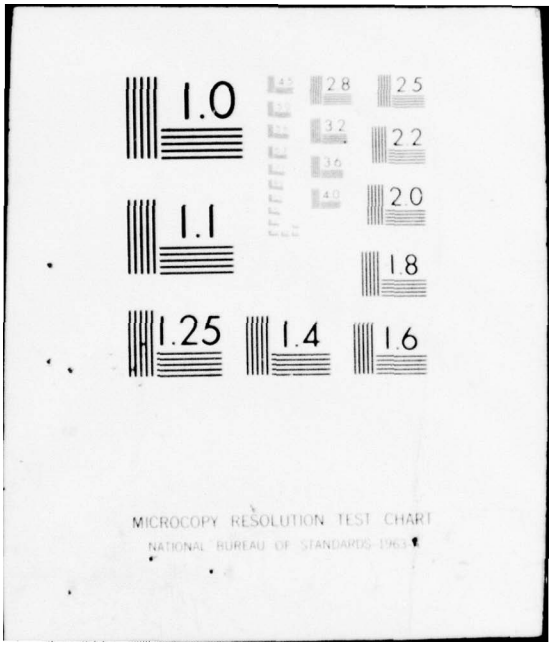

1.0
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1.8
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

Table C-12 (Concluded)

Identification of Acronyms Shown in Table C-12

Of the acronyms used by some of the survey participants in their responses to Question 9, the following were identified:

WES -- U.S. Army Waterways Experiment Station
CERL -- U.S. Army Construction Engineering Research Laboratory
CERC -- U.S. Army Coastal Engineering Research Center
HEC -- U.S. Army Hydrologic Engineering Center
CRREL -- U.S. Army Cold Regions Research and Engineering Laboratory
ETL -- U.S. Army Topographic Laboratories
OCE -- Office, Chief of Engineers
BERH -- U.S. Army Board of Engineers for Rivers and Harbors
IWR -- U.S. Army Institute for Water Resources
ARS -- Agricultural Research Service
LMVD -- Lower Mississippi Valley Division
DAEN, CWPS -- Department of Army Engineers, Planning Division, Systems Analysis Applications Branch
NCD -- North Central Division
WRRI -- Water Resources Research Institute
NPW -- Walla Walla District
EPA -- U.S. Environmental Protection Agency
EIDSO -- Engineer Information and Data Systems Office
NADMD -- U.S. Army Engineer Division, North Atlantic, Marine Design Division
TOPOCOM -- Army Design Division, Topographic Command
MPS District -- Memphis, Tennessee District
SAW District -- Wilmington, North Carolina District
ASPR -- Armed Services Procurement Regulations

Table C-13

Q. 10a Estimate how much time per month you spend reading all kinds of publications (ie; novels, newspapers, newsletters, magazines technical journals, textbooks etc.) at home or work?

Number of Respondents	938	
Number Answering	930	100%

Hours	#	%
1 - 15	145	15.6
16 - 30	195	21.0
31 - 45	171	18.4
46 - 60	143	15.4
61 - 75	93	10.0
76 - 90	86	9.2
91 - 105	42	4.5
106 - 120	20	2.2
121 & over	35	3.8

Table C-14

Q.10b. Of this total time, approximately what percent(%) is spent on job/career information reading at home or work?

	#	%
Number of Respondents	927	100
None	36	3.9
1 - 10%	229	24.7
11 - 20%	118	12.7
21 - 30%	103	11.1
31 - 40%	87	9.4
41 - 50%	121	13.1
51 - 60%	78	8.4
61 - 70%	64	6.9
71 - 80%	54	5.8
81 & over	37	4.0

Table C-15

10c. If you do job related information reading, what percent of your reading do you do during work hours?

	#	%
Number of Respondents	910	100
None	25	2.7
5% & under	166	18.2
6 - 10%	129	14.2
11 - 20%	97	10.6
21 - 30%	59	6.5
31 - 40%	41	4.5
41 - 0%	94	10.3
51 - 60%	69	7.6
61 - 70%	82	9.0
71 & over	148	16.3

Table C-16

Q. 11. List the titles of those publications, government and non-government, which you find helpful in terms of your job

Number Answering	938	100%
Number of publications listed	261	27.8
1	79	8.4
2	102	10.9
3	103	11.0
4	80	8.5
5	75	8.0
6	49	5.2
7	54	5.8
8	37	3.9
9	24	22.6
10	24	2.6
11	11	1.2
12	9	1.0
13	7	.7
14	3	.3
15	5	.5
16	3	.3
17	3	.3
18	3	.3
19	2	.2
20	1	.1
21	2	.2
over 21	1	.1

Table C-17

Q. 12 Below is a number of statements about jobs and work. Please indicate the extent to which you agree or disagree with each statement.

	Answering #	Agree completely %	Agree moderately %	Agree slightly %	Disagree slightly %	Disagree moderately %	Disagree completely %
When the workday is finished, a person should forget his job and enjoy himself. (1)	919	20.1	35.3	18.6	12.2	8.2	5.7
My job objectives are clear and well defined. (2)	914	24.8	39.2	18.3	9.0	6.1	2.6
A good indication of a man's worth is how well he does his job. (3)	915	33.2	36.8	18.7	4.3	3.3	3.7
Given free choice, I would often use different methods and techniques in my work. (4)	916	24.5	29.9	24.2	8.2	9.8	3.4
The policies and guidelines under which I work are inadequate. (5)	915	10.8	17.9	23.0	11.5	23.4	13.4
Whenever possible, a person should relax and accept life as it is, rather than always strive for unreasonable goals. (6)	912	14.9	17.9	17.8	11.8	22.0	15.6
Some of my work assignments appear trivial.(7)	917	26.1	18.1	28.2	8.2	10.4	9.1
I sometimes receive assignments without sufficient allocation of manpower or other resources to do the job. (8)	917	36.4	24.5	18.6	7.0	7.2	6.2
Wasting time is about as bad as wasting money. (9)	917	66.4	21.5	6.5	2.2	2.0	1.4
The policies and guidelines under which I work are incompatible.(10)	915	5.9	10.5	21.6	14.4	26.0	21.5
I have a clear understanding of my responsibilities. (11)	918	41.2	37.7	8.4	7.2	4.0	1.5
Hard work makes a man a better person.(12)	911	22.7	32.6	21.8	9.8	7.1	5.9
I prefer job assignments bearing high levels of responsibility.(13)	917	48.3	35.8	11.9	2.3	.9	.9
The jobs and assignments in the district are clearly defined and logically structured.(14)	917	6.3	23.8	22.4	18.4	18.5	10.6

Table C-17 (continued)

Q. 12

	# Answering	Agree: % completely	Agree: % moderately	Agree: % slightly	Disagree: % slightly	Disagree: % moderately	Disagree: % completely
The philosophy of our top management tends to be conservative; in the long run we get our work done by playing it slow, safe, and sure. (15)	916	16.0	22.6	19.9	13.0	15.8	12.7
Our review and promotion system helps the best man to rise to the top. (16)	917	2.9	14.9	17.1	17.2	20.0	27.8
Red tape is kept to a minimum. (17)	916	2.5	5.5	9.0	16.8	26.7	39.5
The division is characterized by a relaxed, easy-going working climate. (18)	916	6.0	19.8	20.9	18.2	19.5	15.6
We don't rely entirely on individual judgement; everything is double-checked. (19)	916	15.1	24.6	20.6	17.4	15.3	7.1
Immediate management shows an interest in your career aspirations. (20)	916	14.8	28.1	24.1	11.9	10.0	11.0
There is continual effort to improve our personal and group performance. (21)	919	14.4	28.6	25.6	13.4	8.9	9.1
Frankness is encouraged, even if our views may differ from those of our superiors. (22)	919	21.0	29.5	18.2	11.8	8.5	11.1
I feel that I am a member of an effectively functioning team. (23)	918	24.6	32.0	19.1	8.4	7.6	8.3
In the district, it is sometimes unclear who has the formal decision making authority. (24)	919	12.9	21.3	16.3	8.6	15.9	24.9
Our immediate management is willing to take a chance on a good idea. (25)	919	16.1	32.9	25.4	9.6	8.8	7.3
My supervisor considers it unnecessary that I check every detail with him; if I think I have the right approach I just go ahead. (26)	921	32.0	35.2	13.5	5.9	5.9	7.6
If you make a mistake in the division, you will be reprimanded. (27)	906	4.4	10.3	23.3	20.9	24.0	17.2
Our effectiveness has been enhanced by taking calculated risks at the right time. (28)	910	7.5	17.5	25.1	17.6	15.3	17.1

Table C-17 (concluded)

Q. 12	# Answering	Agree completely %	Agree moderately %	Agree slightly %	Disagree slightly %	Disagree moderately %	Disagree completely %
Excessive rules, administrative details, and red-tape make it difficult for new and original ideas to recieve consideration. (29)	912	27.1	23.6	24.5	11.4	8.8	4.7
Our productivity sometimes suffers from lack of proper planning. (30)	914	26.4	26.1	26.0	9.6	6.6	5.3
The philosophy of our top management emphasizes the human factor, how people feel, etc. (31)	917	4.1	14.2	24.5	18.3	19.3	19.5
Supervision in the division is mainly a matter of setting guidelines for subordinates. (32)	913	7.2	22.8	23.4	16.4	18.4	11.7
Decision making in the division is too cautious for maximum effectiveness. (33)	912	12.0	22.1	23.7	18.0	15.4	8.9
You don't get ahead in the division without showing initiative. (34)	897	20.1	34.1	20.5	10.1	7.9	7.2
The poiicies of the district have been clearly explained. (35)	906	13.4	25.5	20.6	17.5	13.5	9.5
Our top management is less concerned with formal organization and authroity than with getting the right people together to do the job. (36)	914	7.3	18.1	21.3	20.1	18.9	14.2

Table C-18

Q. 13. Considering your experience in your present position, please indicate the extent to which each listed condition: a. actually exists in your present job, and b. in your opinion should exist in your present job. Respond by circling a number (1 thru 6) which indicates the degree to which a condition or feeling actually exists and to which you believe should exist relative to the following scale definition.

Condition	#	Answering	Always %	Usually %	Often %	Sometimes %	Occassionally %	Seldom %
Opportunities for growth and development. (1)	916	A	13.4	25.2	18.3	24.5	11.6	7.0
	852	S	61.4	24.1	11.2	2.6	0.4	0.4
The regard received from people in the group. (2)	889	A	14.8	38.1	24.3	15.2	4.9	2.6
	826	S	38.8	31.1	14.4	3.2	0.4	0.1
Receipt of fair and impartial treatment from my boss. (3)	920	A	39.5	33.5	12.3	7.4	4.2	3.2
	836	S	67.6	17.2	3.3	0.3	0.1	0.6
Opportunities to participate in varied activities (4)	913	A	16.3	27.1	23.0	18.0	11.0	4.7
	841	S	36.3	33.1	23.1	6.4	0.8	0.4
Feeling of being adequately informed by my supervisor and co-workers. (5)	926	A	15.0	34.3	19.5	15.4	9.5	6.2
	837	S	66.3	26.5	4.8	0.4	1.2	0.8
The opportunity for promotion within the organization. (6)	901	A	10.0	17.8	14.4	22.0	15.6	20.2
	854	S	48.8	24.8	15.6	8.8	1.4	0.6
Opportunities to use one's own capabilities (7)	913	A	23.8	34.2	17.9	15.4	6.7	2.1
	834	S	60.1	27.7	10.6	1.3	0.2	0.1
Opportunity to do a job from begining to end; that is, the chance to do the whole job. (8)	917	A	20.1	28.7	19.4	13.5	6.8	9.2
	841	S	38.8	34.7	19.6	5.0	1.2	0.7
Opportunity to find out how well I am doing. (9)	914	A	18.5	26.9	18.8	18.6	10.6	6.6
	837	S	55.4	26.8	14.0	2.7	1.0	0.1
Opportunities for participating in the selection of methods and procedures (10)	914	A	14.4	28.7	21.3	17.6	9.2	8.8
	837	S	33.2	37.9	21.5	6.1	1.0	0.4
Opportunities for independent thought and action. (11)	923	A	17.4	32.0	21.3	17.6	7.7	4.0
	836	S	38.8	37.8	18.4	4.1	0.6	0.4

Table C-13 (concluded)

Q. 13

Condition	# Answering		Always %	Usually %	Often %	Sometimes %	Occassionally %	Seldom %
The receipt of reprimands for my errors. (12)	905	A	6.6	13.8	9.1	20.3	21.9	28.3
	833	S	21.6	17.4	11.9	22.4	14.3	12.4
Opportunities for participating in or making recommendations with respect to setting of budgets.(13)	906	A	15.3	14.9	12.3	15.8	10.8	30.9
	847	S	21.6	21.5	19.8	17.7	9.4	9.9
The freedom to experiment. (14)	909	A	7.9	15.0	16.3	24.3	18.5	18.0
	846	S	15.6	21.5	25.1	24.7	10.0	3.1
Receipt of fair and impartial treatment from my co-workers. (15)	923	A	36.8	42.7	12.7	4.1	2.3	1.4
	835	S	64.0	27.1	6.8	1.3	0.5	0.4

Table C-19

Q. 14 Some factors often used by organizations in awarding promotions are listed below. Please indicate how important, in your opinion, your division considers each of these factors in considering you for promotion. Use this six-point scale to indicate the degree of importance of each factor in the promotion decision.

		Important					Unimportant
	Answering	Extremely	Quite	Moderately	Moderately	Quite	Extremely
	#	%	%	%	%	%	%
Length of service in the Corps. (1)	926	10.4	21.4	40.0	16.1	7.8	4.4
Education training experience. (2)	926	27.4	39.5	23.2	6.0	2.3	1.5
Quality of job performance. (3)	926	40.0	27.4	21.4	6.7	2.5	2.1
Productivity on the job. (4)	926	33.6	30.1	21.9	8.3	3.1	2.9
Effort expended on the job. (5)	924	19.6	31.3	31.1	11.9	3.9	2.3
Contribution to technical knowledge. (6)	925	10.7	28.4	32.4	16.6	7.6	4.2
Dependability on the job. (7)	925	35.8	33.4	20.2	5.4	3.1	2.1
Common sense on the job. (8)	925	35.5	31.0	22.1	5.9	3.2	2.3
Personality on the job (9)	925	21.9	37.4	27.1	8.6	3.1	1.8
Initiative on the job. (10)	925	29.9	36.0	22.3	6.3	3.5	2.1
Cooperation with others on the job (11)	926	33.6	37.1	18.8	6.3	2.7	1.5

Table C-20

Q. 15 How do you rate yourself relative to most of the others in your district with comparable managerial, professional, or technical duties? Please rate each of the items below relative to the following six-point scale: For each item, circle only one value.

	Answering	Self-Rating: Outstanding	Excellent	Very Good	Good	Fair	Poor
	#	%	%	%	%	%	%
Quality of job performance (1)	930	15.3	44.0	32.4	8.8	0.3	-
Productivity on the job (2)	929	17.3	40.7	31.0	9.8	1.1	0.1
Effort expended on the job (3)	928	20.2	39.3	30.9	8.7	0.6	0.2
Dependability on the job (4)	927	45.0	39.5	12.5	2.8	0.2	-
Knowledge on the job (5)	928	22.0	43.1	26.0	8.4	0.5	-
Common sense on the job (6)	929	26.8	43.1	23.7	6.1	0.3	-
Personality on the job (7)	928	18.8	34.1	31.6	13.6	1.6	0.4
Ability to learn from the job (8)	929	25.7	42.1	24.9	6.5	0.8	0.1
Initiative on the job (9)	926	26.8	39.8	23.1	8.5	1.5	0.2
Cooperation with others on the job (10)	930	34.7	39.0	19.6	6.0	0.6	-
Overall job effectiveness (11)	922	15.2	47.0	29.9	7.0	0.7	0.2

Table C-21

Q. 16 To the right are listed trait descriptions which many people consider to be requirements for success. Considering your present position, please rank these from the one you regard most necessary through those you believe least necessary for success. Assign the number 1 to most necessary, number 2 to the next most and so on to number 12 for the least necessary trait.

Rank #	Adaptable	Agreeable	Cautious	Cooperative	Decisive	Efficient	Forceful	Imaginative	Independent	Intelligence	Self-Confident	Tactful
Number Answering	914	913	913	914	912	915	912	913	912	916	913	916
	%	%	%	%	%	%	%	%	%	%	%	%
1	10.4	2.9	1.4	7.4	7.9	21.7	1.9	5.1	1.8	30.5	10.2	5.0
2	8.2	2.1	1.2	11.1	11.0	17.0	2.9	10.1	2.4	18.3	13.0	7.4
3	9.2	4.6	1.3	9.2	11.8	13.9	3.5	9.4	2.7	14.0	12.5	8.5
4	8.8	3.0	2.8	11.9	13.0	12.8	4.1	10.3	4.4	8.0	10.8	9.3
5	10.9	4.7	2.6	13.2	10.3	8.3	5.9	9.7	5.0	8.3	10.0	9.8
6	9.2	7.3	2.2	10.5	8.9	7.4	7.1	9.6	6.9	6.3	11.7	11.9
7	10.1	8.0	3.1	11.2	10.5	8.0	7.6	99.5	6.3	4.9	7.7	11.2
8	10.1	11.1	3.2	10.0	8.4	3.8	7.7	11.1	8.4	4.0	7.0	13.1
9	9.8	12.7	8.3	7.0	7.1	3.9	12.2	8.7	12.8	2.1	4.2	8.3
10	8.0	16.3	13.3	6.3	5.3	1.4	11.5	7.7	14.9	1.3	3.9	7.9
11	3.9	18.3	20.2	1.5	4.5	1.0	16.6	5.3	17.2	1.4	1.8	5.7
12	1.3	9.0	40.3	0.7	1.1	0.5	19.1	3.5	17.1	0.8	1.1	1.7

Table C-22

Q. 17 Have you ever had an opportunity within the last 5 years to avail yourself of any formal or informal educational or training courses conducted directly or sponsored by your District or other Corps element?

	District						Other Corps Elements					
	Technical/ professional		Administrative/ management		Other		Technical/ professional		Administrative/ management		Other	
	#	%	#	%	#	%	#	%	#	%	#	%
Total Surveyed	938	100%	938	100%	938	100%	938	100%	938	100%	938	100%
None Indicated	552	55.7	608	64.8	864	92.1	461	49.1	702	74.8	900	95.9
1	148	15.8	142	15.1	47	5.0	185	19.7	119	12.7	22	2.3
2	115	12.3	95	10.1	15	1.6	114	12.2	58	6.2	7	0.7
3	68	7.2	50	5.3	4	0.4	83	8.8	25	2.7	4	0.4
4	35	3.7	19	2.0	4	0.4	42	4.5	15	1.6	3	0.3
5	21	2.2	16	1.7	2	0.2	27	2.9	13	1.4	-	-
6	11	1.2	2	0.2	-	-	10	1.1	3	0.3	-	-
7	5	0.5	-	-	1	0.1	1	0.1	-	-	-	-
8	5	0.5	2	0.2	-	-	4	0.4	1	0.1	-	-
9	8	0.9	4	0.4	1	0.1	11	1.2	2	0.2	2	0.2

Table C-23

Q. 18 (a) Does the nature of your job afford you opportunities for working contacts, personal or telephone, with non-Corps government and/or non-governmental personnel? If "Yes" indicate with which of the organizational groups listed you have or have had working contact.

Survey Respondents	938	100%
Environmental Protection Agency	420	448
National Marine and Fishery Service	217	23.1
National Oceanic and Atmospheric Administration	204	21.8
National Park Service	237	25.3
U.S. Department of Transportation	176	18.8
U.S. Fish and Wildlife Service	430	45.8
U.S. Geological Survey	366	39.0
U.S. Navy	114	12.2
Conservation or water resources	390	42.6
Port development	236	25.2
Environmental protection or pollution control	316	33.7
Game, fishery or wildlife	396	42.2
Planning commission	266	28.4
Architecture, engineering or environmental engineering firms	563	60.0
Attorneys and legal profession	275	29.3
Conservation, environmental groups	356	38.0
Construction industry	403	43.0
Information service; libraries, etc.	278	29.6
News media, journalists, technical writers, etc	323	34.4
Testing laboratories	251	26.8
University institution or research center	342	36.5

Table C-24

Q. 18b. If "Yes", indicate with which of the organizational groups listed you have or have had working contacts. Secondly, which three listed adjectives best characterize your impressions of the group.

Federal:	Environmental Protection Agency	National Marine Fishery Service	National Oceanic & Atmospheric Adm.	National Park Service
Number Answering	420 100%	217 100%	204 100%	237 100%
Impartial	18.6	25.8	57.8	39.6
Informative	45.7	56.2	80.4	73.8
Helpful	49.8	53.0	78.9	67.9
Influential	31.7	24.0	11.3	23.6
Persuasive	8.6	6.0	3.4	4.6
Powerful	23.1	6.5	2.9	4.2
Obstructive	22.4	19.4	3.4	9.7
Persistent	15.2	24.0	7.4	11.4
Demanding	25.7	23.0	4.4	10.6

	U.S. Department of Transportation	U.S. Fish and Wildlife Service	U.S. Geological Survey	U.S. Navy
Number Answering	176 100%	430 100%	366 100%	114 100%
Impartial	46.0	16.4	55.7	49.1
Informative	73.9	47.9	77.6	71.1
Helpful	77.8	48.6	83.3	71.9
Influential	18.1	24.9	11.5	12.3
Persuasive	6.8	8.8	4.6	8.8
Powerful	9.7	13.7	1.6	5.3
Obstructive	4.6	28.8	1.1	2.6
Persistent	5.7	25.3	1.4	11.4
Demanding	4.0	33.5	.8	1.8

Q. 18b

Table C-24 (continued)

Regional and State Agencies:

	Conservation, or Water Resources	Port Development	Environmental Protection or Pollution Control
Number Answering	390	236	316
	100%	100%	100%
Impartial	23.3	22.0	20.0
Informative	61.3	55.9	55.4
Helpful	63.3	66.1	52.0
Influential	34.6	40.0	29.8
Persuasive	8.7	12.0	6.7
Powerful	13.3	14.0	18.7
Obstructive	10.0	2.1	15.5
Persistent	14.9	14.8	19.3
Demanding	14.6	14.8	21.5

	Game, Fishery or Wildlife	Planning Commission
Number Answering	396	266
	100%	100%
Impartial	19.2	28.6
Informative	58.1	67.3
Helpful	54.5	66.2
Influential	27.5	31.2
Persuasive	7.6	10.9
Powerful	12.4	9.2
Obstructive	22.0	7.9
Persistent	18.2	12.4
Demanding	27.3	12.4

Q. 18b.

Table C-24 (concluded)

Non-Government	Architecture, Engineering or Environmental Eng firms.	Attorneys, and Legal profession	Conservation; Environmental groups	Construction Industry
Number Answering	563	275	356	403
	100%	100%	100%	100%
Impartial	36.9	17.5	5.1	23.3
Informative	68.7	34.2	26.4	52.1
Helpful	68.6	33.1	21.1	58.6
Influential	14.4	25.5	28.7	27.8
Persuasive	13.1	21.1	14.0	14.1
Powerful	2.7	15.3	15.7	18.4
Obstructive	4.6	24.4	45.5	6.2
Persistent	19.7	34.2	41.0	20.8
Demanding	11.9	40.7	52.8	17.6

	Information Service; libraries, etc.	News media, journalists, technical writers	Testing laboratories	University Institution or Research Center
Number Answering	278	323	251	342
	100%	100%	100%	100%
Impartial	60.8	20.1	60.6	47.7
Informative	80.9	43.7	74.9	83.6
Helpful	82.4	32.2	81.3	80.7
Influential	6.1	42.1	7.2	18.7
Persuasive	2.5	15.2	3.6	7.0
Powerful	0.7	19.2	-	1.2
Obstructive	1.1	14.2	1.2	1.8
Persistent	1.8	33.4	0.8	4.7
Demanding	1.1	22.3	2.4	4.4

Table C-25

Q. 19 How long have you been either a civil or military member of the Corps?

Number of Respondents	938	
Number Answering	921	100%
	#	%
5 yrs. & less	247	26.8
6 - 10 yrs.	175	19.0
11 - 15 yrs.	163	17.7
16 - 20 yrs.	142	15.4
21 - 25 yrs.	74	8.0
26 - 30 yrs.	60	6.5
31 - 35 yrs.	41	4.5
36 - 40 yrs.	19	2.1

Table C-26

Q. 20a. Highest Degree Held:

Number of Respondents	938	
Number Answering	913	100%
	#	%
No Degree	165	18.0
Bachelor's	527	57.7
Master's	209	22.9
Doctorate	12	1.3

Table C-27

Q. 20b. Year in which highest degree was obtained.

Number of Respondents 938

Number Answering 659

Year	#	%	Year	#	%
1926	1	0.2	1954	8	1.2
1930	1	0.2	1955	8	1.2
1931	1	0.2	1956	13	2.0
1933	2	0.3	1957	17	2.6
1934	3	0.5	1958	16	2.4
1935	2	0.3	1959	13	2.0
1936	2	0.3	1960	25	3.8
1937	2	0.3	1961	20	3.0
1938	2	0.3	1962	17	2.6
1939	1	0.2	1963	22	3.3
1940	4	0.6	1964	19	2.9
1941	4	0.6	1965	17	2.6
1943	2	0.3	1966	10	1.5
1944	1	0.2	1967	24	3.6
1945	1	0.2	1968	29	4.4
1946	2	0.3	1969	37	5.6
1947	4	0.6	1970	24	3.6
1948	13	2.0	1971	48	7.3
1949	12	1.8	1972	43	6.5
1950	23	3.5	1973	51	7.7
1951	20	3.0	1974	43	6.5
1952	14	2.1	1975	25	3.8
1953	6	0.9	1976	7	1.1

Table C-28

Q. 21 In what time period were you born?

Number of Respondents	938	
Number Answering	914	100%
	#	%
Before 1915	30	3.3
1915 - 1919	54	5.9
1920 - 1924	90	9.8
1925 - 1929	126	13.8
1930 - 1934	121	13.2
1935 - 1939	136	14.9
1940 - 1944	152	16.6
1945 - 1949	164	17.9
1950 & after	41	4.5

APPENDIX D

DATA FROM PERSONAL INTERVIEW SURVEY

The tables in Appendix D present responses obtained during the personal interview survey. These tables show the responses by totals in some cases and by Corps District distribution in others. Tables showing survey data considered to be of particular interest appear in Appendix B.

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Table D-1

1. COULD YOU PLEASE GIVE A BRIEF DESCRIPTION OF YOUR JOB

	TOTAL		READ		NO	
NUMBER OF RESPONDENTS	134		77		55	
		%		%		%
NUMBER ANSWERING	134	100	77	100	55	100
BIOLOGIST	6	4	5	6	1	2
ASST CHF. ENG DIV.	2	1	1	1	1	2
ASST CHF WATER RES URBAN PL BR	1	1	1	1		
FORMULATE SPECS PLANS FOR DREDGE CHANNEL	1	1	1	1		
ASST CHF, LAKE HARBOR BR	1	1	1	1		
CVL ENG DSGN BR	4	3	1	1	2	4
PROG MGR CONFINE DREDGE DISP	1	1	1	1		
WATERWAYS SEC. DSGN BR	1	1	1	1		
SPVSR BEACH EROSION NAVIG PROJ	1	1	1	1		
PREP ENVIR IMPACT STATE	5	4	4	5	1	2
CHF, OPS DIV	5	4	2	2	3	5
STUDY MANAGER	2	1	1	1	1	2
CHIEF, DSGN BR	2	1	2	2		
CHF, WATERWAY MAINT SEC	1	1	1	1		
CHF, NAVIG SEC	5	4	4	5	1	2
ASST CHF, OPER	2	1	1	1	1	2
CHF, ENVIRONMENT RESOURCE BR	6	4	4	5	2	4
LAKE HARBOR BR	1	1	1	1		
DIST WTR QUAL PROGRAMMER	1	1	1	1		
CVL ENG NAVIG SEC	4	3	1	1	3	5
BOTANIST	1	1	1	1		
CHF, FOUNDATION MATERIAL BR	3	2	2	2	1	2
ASST CHF, CONST DIV	1	1			1	2
TECH SPVSR, DESIGN MEMO UNIT	1	1	1	1		
CVL ENG, SPVSR	5	4	3	4	2	4
SANITARY ENG	2	1	1	1	1	2
PLANS SPEC FLOOD CONTROL PROJECTS (NAVIGATION) DREDGE)	5	4	2	2	3	5
APPLICATIONS (PERMITS)	4	3	1	1	3	5
GEOLOGISTS	2	1	2	2		
ESTIMATOR	3	2	2	2	1	2
GEOGRAPHER	1	1	1	1		
CHF, HYDRAULOGY HYDRAULIC SEC	2	1	2	2		
ACT CHF, ENVIR PERMIT	1	1			1	2
SURVEY BR (WTR QUAL)	1	1			1	2
CVL ENG TECH	1	1			1	2
CHF, RECREA RESRCE	1	1			1	2
ENVIR PLANNER	1	1	1	1		
SPCL ASST CHF ENVIR BR	1	1	1	1		
COASTAL ENG CHF	1	1			1	2
COASTAL ENG	1	1			1	2
CHF, PROJECT PLAN	3	2	1	1	2	4
ECONOMTR (CONST FIELD PERSNL)	1	1			1	2
ECONOMIST	1	1	1	1		
CHF, PERMITS	3	2	1	1	2	4
CHF, FISH WILDLIFE SEC	1	1			1	2
OCEANOGRAPHER	1	1	1	1		
DREDGING QUANTITY ESTIMATOR	2	1	2	2		
PROJECT DEV SEC	2	1	2	2		
PROGRAM ANALYST	3	2	3	4		
ASST CHF, NAV	2	1	1	1	1	2
CVL ENG	7	5	3	4	4	7
REALESTATE DIV	1	1	1	1		
TRANSPORT ECONOMICS	1	1			1	2
ASST CHF, DESIGN SEC	1	1	1	1		
PROJECT MANAGEMENT ENG	1	1			1	2
HYDRAULIC ENG	3	2	2	2	1	2
CHF, ECONOMIC SOCIAL ANALYSIS	1	1			1	2
RIVER STABILIZE BR	2	1	2	2		
MGTE CONSTRUCTION SPEC	2	1			2	4
CHF, PLAN FORMULATION BR	1	1			1	2
REGION PLAN BR	2	1	1	1	1	2
PROJECT DESIGN (CHANNEL)	2	1			2	4
RESIDENT ENG (DIST REP)	1	1				

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Table D-2

1. COULD YOU PLEASE GIVE A BRIEF DESCRIPTION OF YOUR JOB

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	27	100	16	100	13	100	23	100	27	100
BIOLOGIST	1	4	1	4	1	6	1	8	1	4	1	4
ASST CHF, ENG DIV.			1	4					1	4		
ASST CHF WATER RES URBAN PL BR FORMULATE SPECS PLANS FOR DREDGE CHANNEL	1	4									1	4
ASST CHF, LAKE HARBOR BR							1	8				
CIV ENG DSGN BR	1	4									3	11
PROG MGR CONFINE DREDGE DISP							1	8				
ALTERNATIVES SEC, DSGN BR	1	4										
SPVSR BEACH EROSION NAVIG PROJ											1	4
PREP ENVIR IMPACT STATE	3	11					1	8			1	4
CHF, OPS DIV	2	7	1	4					2	9		
STUDY MANAGER			1	4							1	4
CHIEF, DSGN BR			1	4					1	4		
CHF, WATERWAY MAINT SEC	1	4										
CHF, NAVIG SEC			2	7	1	6			1	4	1	4
ASST CHF, OPER	1	4							1	4		
CHF, ENVIRONMENT RESOURCE BR					1	6	1	8	2	9	2	7
LAKE HARBOR BR							1	8				
DIST CIR CIVIL PROGRAMMER									1	4		
CIV ENG NAVIG SEC			2	7					1	4	1	4
BOTANIST	1	4										
CHF, FOUNDATION MATERIAL BR							1	8			2	7
ASST CHF, CONST DIV									1	4		
TECH SPVSR, DESIGN MEMO UNIT									1	4		
CIV ENG, SPVSR	1	4	1	4	1	6					1	4
SANITARY ENG	1	4							1	4		
PLANS SPEC FLOOD CONTROL PROJECTS (NAVIGATION) DREDGE	1	4	1	4			2	15	1	4		
APPLICATIONS (PERMITS)	1	4							3	13		
GEOLOGISTS	2	7										
ESTIMATOR			1	4			1	8			1	4
GEOGRAPHER											1	4
CHF, HYDRAULOGY HYDRAULIC SEC			1	4							1	4
ACT CHF, ENVIR PERMIT							1	8				
SURVEY BR (ATR QUAL)	1	4										
CIV ENG TECH											1	4
CHF, RECREA MGMGT	1	4										
ENVIR PLANNER											1	4
SPCL ASST CHF ENVIR BR											1	4
COASTAL ENG CHF									1	4		
COASTAL ENG									1	4		
CHF, PROJECT PLAN					1	6			1	4	1	4
COMPLETN (CONST FIELD PERSNL)							1	8				
ECONOMIST			1	4								
CHF, PERMITS	1	4			1	6			1	4		
CHF, FISH WILDLIFE SEC											1	4
OCEANOGRAPHER					1	6						
DREDGING QUANTITY ESTIMATOR					1	6					1	4
PROJECT ENG SEC			1	4	1	6						
PROGRAM ANALYST	2	7			1	6						
ASST CHF, NAV					1	6			1	4		
CIV ENG	2	7			3	19	1	8				
REALESTATE DIV					1	6						
TRANSPORT ECONOMICS											1	4
ASST CHF, DESIGN SEC											1	4
PROJECT MANAGEMENT ENG											1	4
HYDRAULIC ENG			3	11								
CHF, ECONOMIC												
SOCIAL ANALYSIS			1	4								
RIVER STABILIZE BR			2	7								
ARTIC CONSTRUCTION SPEC	1	4	1	4								
CHF, PLAN FORMULATION BR			1	4								
REGION PLAN BR			2	7								
PROJECT DESIGN (CHANNEL)	1	4	1	4								
RESIDENT ENG (DIST REP)			1	4								

TABLE D-3

2A. HAVE YOU EVER HAD AN OPPORTUNITY TO SUGGEST NEW OR DIFFERENT TECHNIQUES METHODS, PROCEDURES, ETC. TO DREDGING OR DISPOSAL OPERATIONS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	27	100	27	100	15	100	13	100	23	100	27	100
YES	12	44	14	52	6	40	7	54	18	78	13	48
NO	15	55	13	48	9	60	6	46	5	22	14	52

TABLE D-4

28 (IF YES) COULD YOU TELL ME WHAT INITIATED THE ACTION, WAS IT TAKEN IN RESPONSE TO A REQUEST OR WAS IT YOUR OWN IDEA

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	11	100	14	100	6	100	7	100	18	100	13	100
REQUEST	8	73	10	71	3	60	4	57	8	44	9	69
OWN IDEA	3	27	4	28	3	60	3	43	10	55	4	31

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TABLE D-5

2C COULD YOU TELL ME WHAT WAS THE SITUATION OR CIRCUMSTANCE

	TOTAL	
NUMBER OF RESPONDENTS	134	
		%
NUMBER ANSWERING	67	100
DETERMINE ALT ACCEPT SITE DISP	11	16
DIFFERENT MEANS OF SOUNDING	1	1
CREATION MARSH LAND	5	7
DIPPER DRAGLINE DREDGES BOTTOM		
DUMP BARGES OCEAN DISPOSAL	1	1
HOPPER DREDGE IMPROVEMENT PROG	2	3
DREDGIN MATERIAL		
DE-WATERED AT SOURCE	1	1
TURBIDITY CURTAIN		
NO SPEC INSTANCE		
LIKE TO RETAIN DREDGE MATERIAL	4	6
ENVIR GROUPS AND AGENCIES	1	1
PLACEMENT DISPOSAL MATERIAL	10	14
ENVIR EFFECT OF DREDGING	5	7
SAVINGS IN TRANSPORT	1	1
PLANS AND SPEC REVIEW	5	7
COMPUTER PROG TO EXPEDITE WORK	1	1
SUITABILITY FOR BEACH FILL	1	1
DREDGING ONLY CERTAIN DEPTH	1	1
ASSGND PROCEDURES NOT SUITABLE	2	3
VEGETATING DREDGED MATERIAL	1	1
MAINTAIN UPPER BANK STABILITY		
DURING CHANNEL EXCAVATIONS	2	3
CHANNEL SIZE AND SHAPE	1	1
DREDGING TRAINING PROGRAM	2	3
USE OF AIR CURTAIN	1	1
SALTATION DISPOSAL	1	1
ANS GIVEN NO SUBSTANCE	7	10

TABLE D-6

2C COULD YOU TELL ME WHAT WAS THE SITUATION OR CIRCUMSTANCE

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	12	100	14	100	5	100	6	100	17	100	13	100
DETERMINE ALT ACCEPT SITE DISP	3	25	1	7			2	28	2	11	3	23
DIFFERENT MEANS OF SOUNDING							1	14				
CREATION MARSH LAND	3	25			1	20			1	5		
DIPPER DRAGLINE DREDGES BOTTOM												
DUMP BARGES OCEAN DISPOSAL									1	5		
HOPPER DREDGE IMPROVEMENT PROG									2	11		
DREDGIN MATERIAL												
DE-WATERED AT SOURCE							1	14				
TURBIDITY CURTAIN												
NO SPEC INSTANCE												
DIKE TO RETAIN DREDGE MATERIAL			1	7			1	14	2	11		
ENVIR GROUPS AND AGENCIES					1	20						
PLACEMENT DISPOSAL MATERIAL	1	8	5	36					2	11	2	15
ENVIR EFFECT OF DREDGING			1	7					2	11	2	15
SAVINGS IN TRANSPORT											1	8
PLANS AND SPEC REVIEW	2	17	1	7			1	14			1	8
COMPUTER PROG TO EXPEDITE WORK	1	8										
SUITABILITY FOR BEACH FILL									1	5		
DREDGING ONLY CERTAIN DEPTH					1	20						
ASSGND PROCEDURES NOT SUITABLE			2	14								
VEGETATING DREDGED MATERIAL											1	8
MAINTAIN UPPER BANK STABILITY												
DURING CHANNEL EXCAVATIONS			2	14								
CHANNEL SIZE AND SHAPE			1	7								
DREDGING TRAINING PROGRAM											2	15
USE OF AIR CURTAIN					1	20						
SALTATION DISPOSAL					1	20						
ANS GIVEN NO SUBSTANCE	2	17							4	22	1	8

TABLE D-7

20 (IF «NO») DO YOU KNOW OF ANY MODIFICATION OR RECENT CHANGE IN THE WAY THE DISTRICT CONDUCTS DREDGED MATERIAL DISPOSAL OPERATIONS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	15	100	15	100	11	100	7	100	14	100	14	100
YES	6	40	5	33	7	64	4	57	9	64	6	43
NO	9	60	10	67	4	36	3	43	4	28	8	57

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TABLE D-8

2E (IF YES) COULD YOU PLEASE IDENTIFY THE GROUP OR THE JOB TITLE OF THE PERSON

	TOTAL	
NUMBER OF RESPONDENTS	134	
		%
NUMBER ANSWERING	39	100
ENVIR DIV	1	2
E P A	3	8
LA WILDLIFE FISH COMM	1	2
OPEN DIV	1	2
ST. AUGUSTINE HARBOR		
MAINTENANCE DREDGING	1	2
CHF OF LEVY AND WATERWAY SEC	1	2
CERC	1	2
CONST OPER HOPPER DREDGING	1	2
PROJECT MGR WITH		
APPROVAL OF DIST ENG	2	5
E G DIV	1	2
DREDGE DISPOSAL STUDY	2	5
TAMPA HARBOR		
DEEPENING PROJECT	1	2
NAVIG UNIT	3	8
CHF COE	2	5
OFFICE OF CHF ENG WASH, D.C.	1	2
APPLICANTS FOR		
LAND DEVELOPMENT	1	2
SACRAMENTO CAL DIS	3	8
CHF OPS DIV - COE		
MARINE DESIGN DIV	1	2
LEVY AND WATERWAY DESIGN BR	1	2
LOCAL COMM	1	2
ENVIRONMENTALISTS	5	13
DOESN'T KNOW	3	8

TABLE D-3

2E (IF "YES") COULD YOU PLEASE IDENTIFY THE GROUP OR THE JOB TITLE OF THE PERSON

NUMBER OF RESPONDENTS	DIST 2 27	%	DIST 4 27	%	DIST 5 16	%	DIST 7 13	%	DIST 9 23	%	DIST 11 27	%
NUMBER ANSWERING	5	100	5	100	8	100	4	100	11	100	6	100
ENVIR DIV							1	25				
E P A	2	40									1	17
LA WILDLIFE FISH COMM	1	20										
OPER DIV					1	12						
ST. AUGUSTINGE HARBOR MAINTENANCE DREDGING									1	9		
CHF OF LEVY AND WATERWAY SEC									1	9		
CERC									1	9		
CONST OPER HOPPER DREDGING PROJECT MGR WITH											1	17
APPROVAL OF DIST ENG	1	20					1	25				
ENG DIV							1	25				
DREDGE DISPOSAL STUDY											2	33
TAMPA HARBOR DEEPENING PROJECT									1	9		
NAVIG UNIT	1	20			1	12			1	9		
CHF COE			1	20					1	9		
OFFICE OF CHF ENG WASH, D.C.									1	9		
APPLICANTS FOR LAND DEVELOPMENT									1	9		
SACRAMENTO CAL DIS									1	9	2	33
CHF OPS DIV - COE												
MARINE DESIGN DIV									1	9		
LEVY AND WATERWAY DESIGN BR									1	9		
LOCAL COMM					1	12						
ENVIRONMENTALISTS			1	20	4	50						
DOESN'T KNOW			1	20	1	12	1	25				

TABLE D-10

3A ASIDE FROM THIS, CAN YOU RECALL ANY METHOD, PROCEDURE OR APPROACH TO A CORPS ENGINEERING OR CONSTRUCTION PROJECT FOR WHICH YOU MADE A SUGGESTION OR RECOMMENDATION

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		15		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	27	100	26	100	15	100	13	100	21	100	27	100
YES	13	48	12	46	5	33	6	46	10	48	7	26
NO	14	52	14	54	10	67	7	54	11	52	20	74

TABLE D-11

JB (IF "YES") COULD YOU BRIEFLY INDICATE THE TYPE OF PROJECT, YOUR SUGGESTION, AND WHAT PROMPTED YOUR IDEA

	TOTAL	
NUMBER OF RESPONDENTS	136	
	—	%
NUMBER ANSWERING	54	100
KEEP WATERWAY OPEN IN WINTER	1	2
WORK ON A PROPOSED CONST SITE	9	16
VALUE ENG STUDY	1	2
PUB USE RESVR PROJ	3	5
CHANNEL ENLARGEMENT	1	2
IMPROVE METHOD AND PROCEDURE	3	5
SHORE EROSION PROTECTION	2	4
LEVEE CONST	6	11
NEW DISPOSAL SITE		
CONTAINMENT STRUCTURES	3	5
DREDGING AND		
CHANNELIZATION PROJ	4	7
OBTAIN SAND FOR BCH RESTORE	1	2
ALT DISPOSAL METHODS	2	4
SYSTEM FOR NUMERICAL		
SUBSTITUTION OF STONE		
REVETMENT FOR CONCRETE	2	4
HYDROELECTRIC PROJECT	1	2
DREDGED MAT PLACEMENT	2	4
MARSH CREATION	3	5
SILTATION REDUCTION	1	2
ADMINISTRATIVE CONTROL		
OR REVISIONS	3	5
BOAT BASIN	1	2

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TABLE D-12

3B (IF "YES") COULD YOU BRIEFLY INDICATE THE TYPE OF PROJECT, YOUR SUGGESTION, AND WHAT PROMPTED YOUR IDEA

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	13	100	12	100	5	100	6	100	10	100	8	100
KEEP WATERWAY OPEN IN WINTER							1	17				
WORK ON A PROPOSED CONST SITE	4	31	2	17	1	20			1	10	1	12
VALUE ENG STUDY							1	17				
PUB USE RESVR PROJ	2	15									1	12
CHANNEL ENLARGEMENT	1	8										
IMPROVE METHOD AND PROCEDURE									1	10	1	12
SHORE EROSION PROTECTION	1	8							1	10		
LEVEE CONST	3	23	1	8					2	20		
NEW DISPOSAL SITE												
CONTAINMENT STRUCTURES							2	33			1	12
DREDGING AND												
CHANNELIZATION PROJ			2	17	1	20					1	12
OBTAIN SAND FOR BCH RESTORE									1	10		
ALT DISPOSAL METHODS					1	20					1	12
SYSTEM FOR NUMERICAL												
SUBSTITUTION OF STONE												
REVETMENT FOR CONCRETE			1	8					1	10		
HYDROELECTRIC PROJECT			1	8								
DREDGED MAT PLACEMENT	1	8	1	8								
MARSH CREATION			1	8							2	25
SILTATION REDUCTION	1	8										
ADMINISTRATIVE CONTROL												
ON REVISIONS			1	8	1	20	1	17				
BOAT BASIN					1	20						

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TABLE D-13

3C SUGGESTION

	TOTAL	%
[redacted]ER OF RESPONDENTS	134	
[redacted]ER ANSWERING	54	100
[redacted]ICE IN SMALL PIECE EASYFL	3	[redacted]
CLARIFICATION OF BASE LINE	1	2
[redacted] LAYOUT	1	2
BUCKET DREDGES RATHER [redacted] HYDRAULIC PIPELINE	1	2
REVISE PLAN AND SPEC	13	24
[redacted]IN MATERIAL FROM OTHER SOU	2	4
CONTINUE USE OF EXISTING SITE	2	4
[redacted]IZATION OF DREDGE MATERIAL PLACING DREDGED MATERIAL [redacted]THER ZONES	6	11
USE SUCTION CUTTERHEAD	1	2
[redacted]LOP MORE AESTHETIC METHOD	2	4
METHOD OF COMPUTING YARDAGE	2	4
[redacted] CHANGE IN SPEC	2	4
NEW DIS CONTAINMENT STRUCT	1	2
[redacted] OF CONCRETE BARGE	1	2
NEW MATERIAL AND CONST	3	5
[redacted]TO INTERPRETATION TECHNIQUE	2	4
IMPROVED PERMIT [redacted]CESSING PROCEDURES	1	2
SURVEYS TO MEASURE [redacted]EASED PROJECT EFFICIENCY	2	4
CONST PROCEDURES	3	5

TABLE D-14

3C SUGGESTION

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	13	100	12	100	5	100	6	100	10	100	8	100
SAW ICE IN SMALL PIECE EASYFL					1	20	1	17			1	12
CLARIFICATION OF BASE LINE	1	8										
ROOM LAYOUT							1	17				
BUCKET DREDGES RATHER THAN HYDRAULIC PIPELINE	1	8										
REVISE PLAN AND SPEC	1	8	5	42	2	40	1	17	3	30	1	12
OBTAIN MATERIAL FROM OTHER SOU									2	20		
CONTINUE USE OF EXISTING SITE							1	17			1	12
UTILIZATION OF DREDGE MATERIAL PLACING DREDGED MATERIAL IN OTHER ZONES	2	15	1	8	1	20			1	10	1	12
USE SUCTION CUTTERHEAD									1	10		
DEVELOP MORE AESTHETIC METHOD	2	15										
METHOD OF COMPUTING YARDAGE	2	15										
COST CHANGE IN SPEC			1	8	1	20						
NEW DIS CONTAINMENT STRUCT							1	17				
USE OF CONCRETE BARGE	1	8										
NEW MATERIAL AND CONST	1	8	1	8					1	10		
PHOTO INTERPRETATION TECHNIQUE			1	8			1	17				
IMPROVED PERMIT PROCESSING PROCEDURES			1	8								
SURVEYS TO MEASURE INCREASED PROJECT EFFICIENCY			1	8							1	12
CONST PROCEDURES	1	8	1	8					1	10		

TABLE D-15

3D WHAT PROMPTED IDEA

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	13	100	12	100	3	100	5	100	10	100	8	100
TIME AND/OR COST SAVING	5	38	3	25			3	60	2	20	2	25
PREVIOUS PERSONAL EXPERIENCE	2	15	1	8	1	33	1	20	2	20	2	25
RECOGNIZED AREA OF IMPROVEMENT	1	8							3	30	2	25
ENVIR CONSIDERATIONS	3	23			1	33			3	30		
CORRESPOND WITH LOCAL SPONSORS							1	20				
CONGRESS INQUIRY INTO CURRENT PRACTICES	1	8	2	17								
WATER QUALITY CONTROL REQUIREMENTS											1	12
NEW ANALYTICAL TOOLS											1	12
INCREASED PERMIT PROCESS					1	33						
ASSESS PROPOSED SITE			3	25								
TIME AND STAFF CONSTRAINTS			2	17								
NEED TO KEEP NAVIG OPEN			1	8								
ANS NOT SUBSTANTIVE	1	8										

TABLE D-16

4A CAN YOU CITE AN INSTANCE IN WHICH YOU, EITHER AS AN INDIVIDUAL OR AS PART OF A GROUP, FOUND IT DIFFICULT TO PROVIDE SCIENTIFIC OR ENGINEERING SUPPORT FOR A DREDGING OR DISPOSAL ALTERNATIVE BECAUSE OF INSUFFICIENT DATA OR INFORMATION

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	27	100	27	100	15	100	13	100	23	100	27	100
YES	7	26	11	41	12	80	11	85	10	43	11	41
NO	20	74	16	59	3	20	2	15	13	56	16	59

TABLE D-17

4B (IF YES) WHAT WAS THE ISSUE INVOLVED AND WHAT WAS THE NATURE (SUBSTANCE) OF THE REQUIRED INFORMATION

4B, ISSUE

	TOTAL	%
NUMBER OF RESPONDENTS	134	
NUMBER ANSWERING	83	100
CONTAINMENT AREA CAPACITY		
FOR DREDGE DISPOSAL MATERIAL	4	6
NEW METHOD OF MEASURING		
ENVIR CONSTRAINT	2	3
PCB TESTING ANALYSIS	1	1
EFFECTS OF AND DISPOSAL OF		
MATERIAL IN WATER	7	11
WETLAND IDENTIFICATION		
AND ANALYSIS	2	3
COST OF MOVE DREDGE MATERIAL	1	1
FEASIBILITY DREDGE		
MATERIAL DISPOSAL	1	1
LACK OF EPA GUIDANCE	1	1
BIOLOGY ANALYSIS		
DREDGED MATERIAL	6	8
POLLUTION	3	5
LACK OF SUBSTANTIVE ANSWER	4	6
DAY TO DAY OPER		
(ENVIR EVALUATION)	2	3
WATER QUALITY SAMPLE AND TEST	2	3
VALUE ENG ON DISPOSAL SITE	3	5
EFFECTS OF DREDGING ON FISH	1	1
EFFICIENCY IN REMOVING		
DISSOLVED POLLUTANTS	2	3
CHEM AND PHYS PROPERTY		
OF DREDGING MATERIAL	3	5
ENG RUBBLE CONTAINMENT STRUCT	1	1
STONE QUALITY, CHARACTERISTIC		
AND GEOGRAPHIC AREA	1	1
RUPTURE DREDGE DISPOSAL		
AREA	2	3
LAND DEV	2	3
CREATE MARSH LANDS	3	5
HOPPER DREDGE DISPOSAL		
VS AGITATION	3	5
MAINTENANCE DREDGING	3	5
IMPACT DISPOSABLE MATERIAL		
ON ENVIR	3	5
COST OF BASE AND		
SELF-PROPELLED DREDGE	1	1
DREDGING AND MAINTENANCE		
SAN FRANCISCO BAY	1	1
BOTTOM ELEVATIONS AND		
CROSS-SEC OF CHANNELS	1	1
STREAM BANK STABILIZE SHADING		
VEGETATION COVER ESTABLISHMENT	1	1
DETERMINE POSITION FOR		
ELECTRONIC EQUIP	1	1
PROTECT NEST AREA		
HYDRAULIC BARGE UNLOADING	1	1
NO SPECIFIC ANS	1	1
OLD TRADE SEWERAGE INTO RIVER	1	1
4C SUBSTANCE OF INFORMATION		
NOT GOOD INFO ON WATER		
QUALITY1 MODELING	1	2
NO HISTORICAL DATA	4	7
LACK ACCURATE SURVEYS	4	7
LACK DATA, UNRESOLVED	10	18
CONFLICTING DATA	3	5
CONCERN OVER WETLANDS	3	5
ENVIR IMPACT STATE	1	2
ON-SITE INSPECT	1	2
LACK WATER QUALITY SPEC		
LIMITATIONS	6	11
LACK GOOD ENG CRITERIA	7	12
EXPERIMENTS AND PROTOTYPES	1	2
NEED FOR DESIGN CRITERIA		
NEED FOR ARTICLE, BOOKLET		
PROVIDING INFO	1	2
DATA ON ENVIR FACTOR	2	3
IMPACT ON WATER QUALITY, FLORA		
FAUNA	2	3
SCIEN METHOD ON DREDGE		
MATERIAL DISPOSAL SITES	1	2
NOT ENOUGH CONST INFO	1	2
MORE INFO NEED ON BIO ANALYSIS	1	2
HYDRAULIC BARGE		
STONE QUALITY	1	2
CHEM + PHYS PROPERTIES		
OF DREDGE MATERIAL	4	7
REQUIRED SCIENTIFIC STUDIES		
NOT PERFORMED	3	5
ANS NOT SUBSTANTIVE	1	2

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TABLE D-18

48 (IF YES) WHAT WAS THE ISSUE INVOLVED AND WHAT WAS THE NATURE (SUBSTANCE) OF THE REQUIRED INFORMATION
48 ISSUE

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	8	100	10	100	11	100	11	100	10	100	12	100
CONTAINMENT AREA CAPACITY												
FOR DREDGE DISPOSAL MATERIAL	1	12	1	10	1	9					1	8
NEW METHOD OF MEASURING												
ENVIR CONSTRAINT	1	12			1	9						
PCB TESTING ANALYSIS					1	9						
EFFECTS OF AND DISPOSAL OF												
MATERIAL IN WATER	2	25	2	20	1	9			1	10	1	8
WETLAND IDENTIFICATION												
AND ANALYSIS							1	9				
COST OF MOVE DREDGE MATERIAL					1	9						
FEASIBILITY DREDGE												
MATERIAL DISPOSAL					1	9						
LACK OF EPA GUIDANCE					1	9						
BIOLOGY ANALYSIS												
DREDGED MATERIAL	1	12	1	10	2	18					1	8
POLLUTION					3	27						
LACK OF SUBSTANTIVE ANSWER							1	9	1	10	2	17
DAY TO DAY OPER												
(ENVIR EVALUATION)			1	10			1	9				
WATER QUALITY SAMPLE AND TEST							1	9			1	8
VALUE ENG ON DISPOSAL SITE			2	20			1	9				
EFFECTS OF DREDGING ON FISH							1	9				
EFFICIENCY IN REMOVING												
DISSOLVED POLLUTANTS	1	12					1	9				
CHEM AND PHYS PROPERTY												
OF DREDGING MATERIAL			2	20	1	9						
ENG RUBBLE CONTAINMENT STRUCT							1	9				
STONE QUALITY, CHARACTERISTIC												
AND GEOGRAPHIC AREA							1	9				
RUPTURE DREDGE DISPOSAL												
AREA			1	10					1	10		
LAND DEV			1	10					1	10		
CREATE MARSH LANDS	1	12					1	9	1	10		
HOPPER DREDGE DISPOSAL												
VS AGITATION									3	30		
MAINTENANCE DREDGING					1	9			2	20		
IMPACT DISPOSABLE MATERIAL												
ON ENVIR											3	25
COST OF BASE AND												
SELF-PROPELLED DREDGE											1	8
DREDGING AND MAINTENANCE												
SAN FRANCISCO BAY											1	8

Table D-13 (concluded)

BOTTOM ELEVATIONS AND CROSS-SEC OF CHANNELS													1	8
STREAM BANK STABILIZE GRADING														
VEGETATION COVER ESTABLISHMENT			1	9										
DETERMING POSITION FOR ELECTRONIC EQUIPL	1	14												
PROTECT NEST AREA HYDRAULIC BARGE UNLOADING									1	9				
NO SPECIFIC ANS			1	9										
WLD TRADE SEWERAGE INTO RIVER					1	9								
4C SUBSTANCE OF INFORMATION														
NOT GOOD INFO ON WATER QUALITY; MODELING									1	10				
NO HISTORICAL DATA			1	10	1	11			1	10			1	9
LACK ACCURATE SURVEYS	1	12	1	10	1	11							1	9
LACK DATA, UNRESOLVED	2	25	4	40	2	22							2	16
CONFLICTING DATA			1	10	1	11								
CONCERN OVER WETLANDS					1	11					2	28		
ENVIR IMPACT STATE													1	9
ON-SITE INSPECT									1	10				
LACK WATER QUALITY SPEC LIMITATIONS			2	20	1	11			1	10	1	14	1	9
LACK GOOD ENG CRITERIA	1	12			2	22			2	20	1	11	1	9
DATA AND REPORTS ON EXPERIMENTS AND PROTOTYPES									1	10				
NEED FOR DESIGN CRITERIA														
NEED FOR ARTICLE, BOOKLET PROVIDING INFO									1	10				
DATA ON ENVIR FACTOR											1	11	1	9
IMPACT ON WATER QUALITY, FLORA FAUNA			1	10							1	11		
SCIEN METHOD ON DREDGE MATERIAL DISPOSAL SITES	1	12												
NOT ENOUGH CONST INFO	1	12												
MORE INFO NEED ON BIO ANALYSIS	1	12												
HYDRAULIC BARGE STONE QUALITY									1	10				
CHEM + PHYS PROPERTIES OF DREDGE MATERIAL			1	10	1	11			1	10	1	11		
REQUIRED SCIENTIFIC STUDIES NOT PERFORMED	1	12	1	10					1	10				
ANS NOT SUBSTANTIVE											1	11		

TABLE D-19

4D (IF NO) IS YOUR ANSWER NO BECUASE YOU NEVER HAD AN OCCASION TO NEED DOCUMENTED INFORMATION, OR BECAUSE AVAILABLE INFORMATION WAS SUFFICIENT

	TOTAL	
NUMBER OF RESPONDENTS	134	
		%
NUMBER ANSWERING	74	100
NEVER HAD OCCASION	29	39
INFORMATION AVAILABLE	45	61

TABLE D-20

4D (IF NO) IS YOUR ANSWER NO BECUASE YOU NEVER HAD AN OCCASION TO NEED DOCUMENTED INFORMATION, OR BECAUSE AVAILABLE INFORMATION WAS SUFFICIENT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	21	100	14	100	5	100	2	100	15	100	16	100
NEVER HAD OCCASION	6	28	5	36	5	100	2	100	5	33	5	31
INFORMATION AVAILABLE	15	71	9	64					10	67	11	69

TABLE D-21

4E. (IF INFORMATION AVAILABLE) COULD YOU TELL ME OF A TYPICAL CASE, THE TYPE OF INFORMATION AND ITS DOCUMENTARY SOURCE

TYPE OF INFORMATION

	TOTAL	
NUMBER OF RESPONDENTS	134	%
NUMBER ANSWERING	32	100
EQUIPT USE, RENTAL+LABOR COST	6	19
COST ANALY ON NEW RELOCATION	4	12
SEDIMENTATION RATE	1	3
NW METH EFFECT OF AQUATIC LIFE IN OCEAN AREAS+MARSH HABITATS	1	3
GRAIN SIZE ANALYSIS	1	3
FOUNDATION EXPLOR + AREA PHOTO	1	3
COMPILING WATER QUALITY DATA	1	3
CHEM ANALYSIS OF CAPACITY OF SPOIL AREAS		
DREDGE PRODUCTION RATES AND DREDGED MATERIAL LAND DISPOSAL	2	6
TOPOGRAPHICAL ENVIRO DATA	1	3
CALCULATE SIZE ON DISPSAL SITE	1	3
ENVIRO IMPACT OF LAND VS WATER DISPOSAL	1	3
SETTLING CHARACTERISTICS OF TOXIC MATERIAL TRANSPORT		
DEPT. OF COMMERCE DATA	1	3
DREDGED MATERIAL DISPOSAL IN TRIBUTORY DREDGING	1	3
SURVEY DATA FOR DREDGED MATERIAL DISPOSAL	4	12
CHANNEL DESIGN DATA	1	3
ANS NOT SUBSTANTIVE	3	9

TABLE D-22

4E (IF INFORMATION AVAILABLE) COULD YOU TELL ME OF A TYPICAL CASE, THE TYPE OF INFORMATION AND ITS DOCUMENTARY SOURCE

TYPE OF INFORMATION

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
NUMBER ANSWERING	7	100	10	100					9	100	6	100
EQUIPT USE, RENTAL+LABOR COST			2	20					2	22	2	33
COST ANALY ON NEW RELOCATION	1	14	1	10					1	11	1	17
SEDIMENTATION RATE	1	14										
NW METH EFFECT OF AQUATIC LIFE IN OCEAN AREAS+MARSH HABITATS											1	17
GRAIN SIZE ANALYSIS									1	11		
FOUNDATION EXPLOR + AREA PHOTO									1	11		
COMPILING WATER QUALITY DATA	1	14										
CHEM ANALYSIS OF												
CAPACITY OF SPOIL AREAS												
DREDGE PRODUCTION RATES AND												
DREDGED MATERIAL LAND DISPOSAL			2	20								
TOPUGRAPHICAL ENVIRO DATA			1	10								
CALCULATE SIZE ON DISPSAL SITE	1	14										
ENVIRO IMPACT OF LAND VS WATER DISPOSAL	1	14										
SETTLING CHARACTERISTICS OF												
TOXIC MATERIAL TRANSPORT												
DEPT. OF COMMERCE DATA			1	10								
DREDGED MATERIAL DISPOSAL IN TRIBUTORY DREDGING	1	14										
SURVEY DATA FOR DREDGED MATERIAL DISPOSAL			1	10					1	11	2	33
CHANNEL DESIGN DATA			1	10								
ANS NOT SUBSTANTIVE	1	14	1	10					1	11		

TABLE D-23

4R SOURCE

	TOTAL	
NUMBER OF RESPONDENTS	134	
		%
NUMBER ANSWERING	24	100
ASK QUES PEOPLE KNOWLEDGABLE		
IN SPECIFIC AREA	3	12
CORPS ENG. REF MATERIALS	3	12
FOUNDATION AND MATERIAL BR	2	8
NEW SURVEY AND INFO RESEARCH	3	12
DMRP	2	8
LOCAL DREDGING CONTRACT	1	4
LOCAL DIST SURVEYS AND INVESTIGATIONS	7	29
DIST NAVIG BR	1	4
FILE SURVEY INC BEACH PROFILE HISTORICAL RECORDS	1	4

TABLE D-24

4F SOURCE

	DIST 2		DIST 4		DIST 5	DIST 7	DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	13	23	%	27	%
NUMBER ANSWERING	5	100	7	100	--	--	7	100	5	100
ASK QUES PEOPLE KNOWLEDGABLE IN SPECIFIC AREA			2	28					1	20
CORPS ENG. REF MATERIALS	1	20	1	14					1	20
FOUNDATION AND MATERIAL BR							2	28		
NEW SURVEY AND INFO RESEARCH			1	14			1	14	1	20
OMRP			1	14			1	14		
LOCAL DREDGING CONTRACT							1	14		
LOCAL DIST SURVEYS AND INVESTIGATIONS	2	40	1	14			2	28	2	40
DIST NAVIG BR			1	14						
FILE SURVEY INC BEACH PROFILE HISTORICAL RECORDS	1	20								

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TABLE D-25

(IF YES)
5A. WHAT WAS THE NATURE OF THE DIFFICULTY
B. WHAT KIND OF DATA OR INFORMATION WAS NEEDED
C. HOW WAS THE DIFFICULTY RESOLVED, IF AT ALL
5A NATURE OF DIFFICULTY

	TOTAL	
NUMBER OF RESPONDENTS	134	
		%
NUMBER ANSWERING	42	100
ENVIRO IMPACT OF (SPEC) PROJ	6	14
WETLAND AND STREAM CROSSINGS ON HIGHWAYS	3	7
SEDIMENTATION AND WATER QUALITY ANALYSIS	5	12
SPEC STANDARDS OF POLLUTED MATERIAL MAKEUP	3	7
CHANGE AND COMPLIANCE WITH LAW	2	5
AIR + WATER QUALITY STUDY DATA	1	2
LONG TERM ENVIRO DATA	3	7
MORE BIO INFO ON SPEC PROJECTS	4	9
REG AND CONSERV AGENCIES ENVIRO DATA ON EFFECTS OF DREDGED MATERIAL DISPOSAL	2	5
LACK OF DOCUMENTED DATA	3	7
DREDGED MATERIAL POLLUTION	1	2
DREDGED MATERIAL N.G. FOR INDUSTRIAL LAND USE	1	2
GENERAL - REQUIRED ENVIRO DATA NOT KNOWN UNTIL PROJECT IS FORMULATED-SOMETINES TOO LATE	2	5
ABSENCE OF DREDGED MATERIAL CLASSIF STANDARDS	2	5
ANS NOT SUBSTANTIVE	2	5
LACK OF FUNDS, ADEQUATE PERSONNEL	1	2

TABLE D-26

(IF YES)
A. WHAT WAS THE NATURE OF THE DIFFICULTY
B. WHAT KIND OF DATA OR INFORMATION WAS NEEDED
C. HOW WAS THE DIFFICULTY RESOLVED, IF AT ALL
5A NATURE OF DIFFICULTY

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	5	100	10	100	8	100	4	100	5	100	9	100
ENVIRO IMPACT OF (SPEC) PROJ	1	20			2	25			2	40	1	11
WETLAND AND STREAM CROSSINGS ON HIGHWAYS			1	10	1	12	1	25				
SEDIMENTATION AND WATER QUALITY ANALYSIS	1	20					1	25			3	33
SPEC STANDARDS OF POLLUTED MATERIAL MAKEUP			2	20	1	12						
CHANGE AND COMPLIANCE WITH LAW	1	20									1	11
AIR + WATER QUALITY STUDY DATA			1	10								
LONG TERM ENVIRO DATA	1	20									2	22
MORE BIO INFO ON SPEC PROJECTS					1	12	1	25	1	20	1	11
REG AND CONSERV AGENCIES ENVIRO DATA ON EFFECTS OF DREDGED MATERIAL DISPOSAL			1	10					1	20		
LACK OF DOCUMENTED DATA			1	10							1	11
DREDGED MATERIAL POLLUTION			1	10								
DREDGED MATERIAL N.G. FOR INDUSTRIAL LAND USE			1	10								
GENERAL - REQUIRED ENVIRO DATA NOT KNOWN UNTIL PROJECT IS FORMULATED-SOMETINES TOO LATE			1	10	1	12						
ABSENCE OF DREDGED MATERIAL CLASSIF STANDARDS							1	25	1	20		
ANS NOT SUBSTANTIVE	1	20			1	12						
LACK OF FUNDS, ADEQUATE PERSONNEL					1	12						

TABLE D-27

5B INFORMATION NEEDED

	TOTAL	
NUMBER OF RESPONDENTS	134	
		%
NUMBER ANSWERING	35	100
ENVIRO INFO (NOT SPEC)	4	11
MAPPING OF WETLANDS AND FLOOD HEIGHT	1	3
DETERMINATION OF POLLUTION STANDARDS OF DREDGED MAT	3	8
STANDARDIZATION+CLASSIFICATN OF DREDGED MATERIAL	2	6
MORE COMPLETE AIR+WATER QUAL DATA AND MONITORING STATIONS	5	14
INFO ON BIO PRODUCTIVITY	2	6
WILDLIFE INVENTORY WATER QUAL	3	8
ENVIRO DATA ON EFFECTS OF DREDGED MATERIAL DISPOSAL IN ECOLOGICALLY SIGNIFICANT AREAS	8	23
TOXIC MATERIAL MOVEMENT DUE TO DREDGING	2	6
TESTING DATA DREDGED MATERIAL FOR STRUCTURAL STRENGTHS	1	3
ENVIRO IMPACT ASSESSMENT	2	6
NEW CRITERIA FOR MEASUREMENT	1	3

TABLE D-28

SB INFORMATION NEEDED

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	4	100	8	100	4	100	5	100	5	100	9	100
ENVIRO INFO (NOT SPEC)	1	25			1	25			1	20	1	11
MAPPING OF WETLANDS AND FLOOD HEIGHT							1	20				
DETERMINATION OF POLLUTION STANDARDS OF DREDGED MAT	1	25					1	20			1	11
STANDARDIZATION+CLASSIFICATN OF DREDGED MATERIAL					1	25	1	20				
MORE COMPLETE AIR+WATER QUAL DATA AND MONITORING STATIONS			2	25					1	20	2	22
INFO ON BIO PRODUCTIVITY									1	20	1	11
WILDLIFE INVENTORY WATER QUAL			2	25			1	20				
ENVIRO DATA ON EFFECTS OF DREDGED MATERIAL DISPOSAL IN ECOLOGICALLY SIGNIFICANT AREAS	2	50	1	12	1	25			1	20	3	33
TOXIC MATERIAL MOVEMENT DUE TO DREDGING			2	25								
TESTING DATA DREDGED MATERIAL FOR STRUCTURAL STRENGTHS			1	12								
ENVIRO IMPACT ASSESSMENT							1	20	1	20		
NEW CRITERIA FOR MEASUREMENT					1	25						

TABLE D-29

5C RESOLUTION

	TOTAL	
NUMBER OF RESPONDENTS	134	%
NUMBER ANSWERING	36	100
NO OR NOT RESOLUTION	11	30
TIME AND MONEY SAVING	2	5
RESOLVED BY E.P.A.	1	3
CORPS HIRED BY ENG FIRM	1	3
RESOLUTION IN PROCESS	5	14
MORE DATA COLLECTION NEEDED	4	11
LITIGATION OF ENVIRO ISSUES	2	5
RECOMMENDATIONS PROVIDED	2	5
WATER QUALITY SAMPLING MAKE STUDIES	1	3
PROFESSIONAL JUDGEMENT	2	5
CHANGED PROJECT LOCATION	1	3
PROJECT ABANDONED	1	3

TABLE D-30

SC RESOLUTION

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	5	100	9	100	3	100	5	100	5	100	9	100
NO OR NOT RESOLUTION	2	40	2	22	3	100	2	40	1	20	1	11
TIME AND MONEY SAVING											2	22
RESOLVED BY E.P.A.							1	20				
CORPS HIRED BY ENG FIRM									1	20		
RESOLUTION IN PROCESS	1	20							2	40	2	22
MORE DATA COLLECTION NEEDED	1	20	1	11							2	22
LITIGATION OF ENVIRO ISSUES											2	22
RECOMMENDATIONS PROVIDED	1	20	1	11								
WATER QUALITY SAMPLING			1	11								
MAKE STUDIES												
PROFESSIONAL JUDGEMENC			1	11					1	20		
CHANGED PROJECT LOCATION			1	11								
PROJECT ABANDONED			1	11								

TABLE D-31

6B (IF YES) WHAT IN YOUR OPINION ARE THE NEW TRENDS AND WHAT FACTORS DO YOU THINK HAVE STIMULATED THEIR DEVELOPMENT

6B NEW TRENDS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	21	100	23	100	12	100	13	100	23	100	24	100
MARSH DEVELOP/WILDLIFE HABITAT	8	38	1	4	2	17			2	9	13	54
BETTER USE OF DREDGE DISPOSAL MATERIAL	4	19	6	26	2	17	2	15	11	48	7	29
ENVIRONMENTAL CONSIDERATIONS	7	33	7	30	2	17	1	8			3	12
DISPOSAL SITE CREATION IN WATERBODIES	5	24							1	4	5	21
NEW DREDGING METHODS	2	9	1	4					1	4		
DIKED CONTAINED AREAS	1	5	2	9	3	25	3	23	5	22		
NEW DISPOSAL AREAS METHODS	2	10	1	4	1	8	5	38	6	26	4	17
DEV OF GUIDELINES FOR DISPOSAL SITE RELOCATION			2	9								
CHANGE OPEN WATER OR WETLANDS TO DRY LAND DISPOSAL SITES	2	10	4	18	2	17	2	15	1	4		
RESTORATION TREATMENT OF DREDGED MATERIAL	1	5							5	22	1	4
DETAILED ANALYSIS OF DISPOSAL AREAS			1	4								
METHODS FOR HANDLING MARSHLAND PROTECTION					2	17	1	8	1	4		
EVALUATION OF DREDGED MATERIAL FOR SPECIFIC USES			1	5	1	8			1	4		
ANS NOT SUBSTANTIVE	1	5	1	5	1	8			1	4	2	8

TABLE D-32

6C STIMULATING FACTORS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	24	100	12	100	13	100	23	100	25	100
ENVIRO CONCERNS	12	60	14	58	4	33	1	8	8	35	14	56
POLLUTION PROBLEMS			2	8	1	8	1	8			1	4
PRINCIPLES AND STANDARDS					1	8			2	9		
LIMIT+COST OF DISPOSAL SITES	2	10	2	8	2	17	1	8	3	13	3	12
ENVIRONMENTAL REGULATIONS	2	10	4	17	3	25	2	15	4	17	5	20
WATER QUALITY CONTROL	1	5	2	8			1	8			2	8
DMPR REPORTS AT WES	2	10										
AVAIL NEW METHODS OF DREDGING									4	17	1	4
FUNDING												
ECO FACTOR	1	5			2	17	2	15	1	4		
PRESSURE FROM ENVIRO AND ECOLOG GROUPS	4	20	2	8	1	8	3	23	3	13	2	8
DREDGED MATERIAL - REC							1	8	2	9	1	4
RESEARCH									1	4	1	4
LEGISLATION							3	23	1	4		
PUBLIC RECOGNITION OF DREDGING BENEFITS			1	4								
LACK OF DISPOSABLE GOVT AGENCY RESEARCH					1	8	1	8				

TABLE D-33

60 COULD YOU GIVE AN EXAMPLE OF WHAT YOU CONSIDER TO BE A NEW OR DIFFERENT DISPOSAL APPROACH

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	24	100	9	100	13	100	23	100	25	100
MARSHLAND CREATION	7	35	1	4	2	22			3	13	13	52
NEW AND DIFF RECYCLING DREDGE METHOD	5	25	6	25			1	8	4	17	6	24
NEW METHOD OF WATER DISPOSAL	1	5	1	4	2	22	1	8	3	13	1	4
RESEARCH REPORTS (CERC)	3	15			1	11	1	8				
CONFINED DISPOSAL AREAS			3	12	2	22	5	38	5	22		
FISH AND WILDLIFE HABITAT	1	5							2	9	1	4
REC AREA USE OF DREDGE MATERIAL AND OTHER LAND USE	1	5	1	4	1	11			1	4		
REVEGETATING DISPOSAL AREAS	2	10	1	4					2	9	1	4
PRODUCTIVE USES ON DREDGED MATERIAL	1	5	5	21	2	22	2	15	4	17	2	8
AVOID WETLAND DISPOSAL AREAS			3	12			1	8	1	4	1	4
USE OF DREDGED MATERIAL FOR LEVEE CONSTRUCTION			2	8								
DISPOSAL OF DOWNSTREAM POOLS			1	4								
IMPROVED PUMPING EQUIP MD	2	10	6	25	1	11	1	8	1	4		
BEACH RESTORATION	1	5			2	22	1	8			2	8
IMPROV TREATMENT DREDGED MAT	1	5							4	17	1	4

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TABLE D-34

7A. IN YOUR OPINION, WHOULD THERE BE ANY CHANGES IN DREDGED MATERIAL DISPOSAL METHODS AND PROCEDURES

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	27	100	26	100	12	100	13	100	23	100	25	100
YES	17	63	19	73	9	75	11	85	20	87	16	64
NO	10	37	7	27	3	25	2	15	3	13	9	36

TABLE D-35

7B. WHY ARE YOU OF THAT OPINION

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	25	100	10	100	12	100	23	100	23	100
REASONS FOR YES CHANGES												
PROHIBITIVE ECONOMIC COST					2	20	1	8	2	9	1	4
INSUFFICIENT SIZE OF DISPOSAL SITES	2	10					1	8	1	4	1	4
EPA RESTRICT TOO TIGHT	2	10	1	4	2	20			1	4		
WETLAND AREAS IN OPEN WATER DISPOSAL	2	10									5	22
ENVIRO OR SOCIAL CONCERN	2	10	3	12	1	10	2	17	6	26	2	9
IMPROVED METHODS FOR DISPOSAL	7	35	6	24	2	20	3	25	4	17	5	22
MARSH CREATION	2	10			1	10			3	13	1	4
CONTAINMENT DISPOSAL AREAS	1	5							1	4	1	4
LAND DEVELOPMENT	1	5	2	8							1	4
CONTINUING EFFORT TO DEVELOP NEW METHODS AND PROCEDURES	7	35	1	4	1	10			2	9	2	9
MORE SANITARY ENG SLUDGE HANDLING					1	10			1	4	2	9
MORE RESEARCH ON DISPOSAL	1	5	1	4	1	10	1	9	2	9	3	13
CURRENT PRACTICES NOT ALWAYS ENVIRO ACCEPTABLE			3	12	1	10			6	26	1	4
ADMINISTRATIVE PROCEDURES UNCLEAR OR TOO STRINGENT			2	8	1	10						
SEDIMENT ANALYSIS FOR HEAVY METAL POLLUTION			1	4								
NEED TO PREVENT EROSIONS OF DREDGED MAT AFTER DISPOSAL			1	4							1	4
IMPROVE EFFECTIVENESS OF SOLID RETENTION AT DISPOSAL SITES PARTICULARLY OF FINE PARTICLES			1	4								
COE ALLOWED MORE CHOICE IN DISPOSAL SITE RELOCATION			2	8			1	9				
MANY SMALL WETLAND AREAS HAVE NO ECO VALUE-SHOULD BE USED FOR DISPOSAL	1	5	1	4								
REGULATORY CONFLICT BETWEEN EK 1130-2307 (11/31/68) AND INCREASE LEVEE HEIGHTS WITH DREDGED MATERIAL			1	4								
PROJ SHOULD BE EXPEDITED							1	8				
ANS NOT SUBSTANTIVE			1	4			1	8	1	4	1	4
PROHIBIT TRUCKING DREDGED MAT							1	8				
REASON FOR NO CHANGE FUTURE IMPROVEMENT WILL FOLLOW											1	4
PRESENT METHODS SATISFACTORY	2	10	1	4			1	8	1	4	2	9
NO OPINION			1	4							1	4
ENVIRONMENTAL AWARENESS									1	4		

TABLE D-36

8 IT IS GENERALLY RECOGNIZED THAT DECISIONS CONCERNING THE DISPOSAL OF DREDGED MATERIAL MAY BE INFLUENCED BY OBJECTIVE CONSIDERATIONS AND EXTERNAL FORCES. THERE ARE SEVEN CATEGORIES WHICH MAY OPERATE TO DIFFERENT DEGREES IN ANY PARTICULAR CASE. ON THE BASIS OF YOUR FAMILIARITY WITH AND KNOWLEDGE OF DISTRICT DREDGING OPERATIONS, PLEASE INDICATE THE THREE WHICH HAVE BEEN MOST FREQUENTLY INFLUENTIAL.

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	27	100	14	100	13	100	23	100	26	100
CATEGORIES (LISTED ALPH)												
ATTITUDE AND VIEWPOINTS OF GOVT AGY AT ALL LEVELS	11	41	9	33	10	71	8	61	8	35	14	54
CHARACTERS AND MAGNITUDES OF ENV IMPACT OF PRACTICABLE ALT	15	55	14	52	6	43	4	31	13	56	11	42
EASE AND/OR FACILITY OF TECHNICAL ACCOMPLISHMENT	7	26	10	37	6	43	4	31	5	22	6	23
ECONOMIC COSTS	23	85	17	63	10	71	6	46	20	87	21	81
ENVIRONMENTAL AND OTHER SPECIAL INT GROUP CONCERNS	11	41	16	59	3	21	8	61	14	61	17	65
INSTITUTIONAL CONSTRAINTS	7	26	8	30	1	7	3	23	3	13	9	35
STATE AND LOCAL POLITIC FORCES	7	26	7	26	6	43	6	46	6	26	2	8

TABLE D-37

9B (IF YES) COULD YOU TELL ME HOW YOU FIRST LEARNED ABOUT THE PROGRAM, THAT IS, VERBALLY, OR THROUGH PRINTED MATERIAL OR OTHER MEANS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	23	100	24	100	13	100	11	100	20	100	23	100
VERBAL	8	35	12	50	5	38	6	54	11	55	13	56
PRINTED MATTER	9	39	10	42	5	38	4	36	6	30	5	22
OBSERVED DREDGE AT WES FROM PLANE			1	4								
DISTRICT REQUEST FOR DREDING IN FORMATION					2	15			1	5		
BOTH VERBAL AND PRINTED	5	22	1	4	1	8	1	9	1	5	3	13

TABLE D-38

.....THE SHORT AND LONG-TERM EFFECTS ON WATER QUALITY....DISCHARGING BOTTOM SEDIMENT.POLLUTANTS

NUMBER OF RESPONDENTS	DIST 2 27	%	DIST 4 27	%	DIST 5 16	%	DIST 7 13	%	DIST 9 23	%	DIST 11 27	%
NUMBER ANSWERING	26	100	26	100	15	100	12	100	23	100	27	100
1 OF MAJOR USEFULNESS	7	27	7	27	4	27	9	75	12	52	11	41
2	4	15	6	23	7	47	1	8	5	22	4	15
3	5	19	4	15	1	7			3	13	2	7
4	2	8	3	11	1	7			2	9	1	4
5	3	11	2	8	1	7	2	17			3	11
6 OF LITTLE OR NO USEFULNESS	5	19	4	15	1	7			1	4	6	22

TABLE D-39

IDENTIFICATION, EVALUATION AND MONITORING.....EFFECTS OF CONFINED AND UNCONFINED DISPOSAL OF DREDGED MATERIAL ON UPLANDS, MARSH, AND WETLAND HABITATS

NUMBER OF RESPONDENTS	DIST 2 27	%	DIST 4 27	%	DIST 5 16	%	DIST 7 13	%	DIST 9 23	%	DIST 11 27	%
NUMBER ANSWERING	26	100	27	100	15	100	12	100	23	100	27	100
1 OF MAJOR USEFULNESS	10	38	5	18	4	27	4	33	11	48	9	33
2	4	15	4	15	6	40	5	42	3	13	5	18
3	6	23	4	15	1	7	2	17	2	9	3	11
4	2	8	5	18	3	20			3	13	6	22
5	1	4	4	15	1	7	1	8	1	4	2	7
6 OF LITTLE OR NO USEFULNESS	3	11	5	18					3	13	2	7

TABLE D-40

...USE OF DREDGED MATERIAL FOR THE DEVELOPMENT, ENHANCEMENT, OR RESTORATION OF LAND FOR AGRICULTURE...

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	26	100	27	100	15	100	12	100	23	100	27	100
1 OF MAJOR USEFULNESS	5	19	7	26			4	33	6	26	4	15
2	8	31	11	41	3	20			5	22	10	37
3	3	11	3	11	2	13	3	25	2	9	4	15
4	5	19	5	18	4	27	1	8	5	22	7	26
5	1	4			2	13	3	25	2	9	1	4
6 OF LITTLE OR NO USEFULNESS	4	15	1	4	4	27	1	8	3	13	1	4

TABLE D-41

INVESTIGATION OF THE PROBLEM OF TURBIDITY.....AS WELL AS PHYSICAL AND CHEMICAL CONTROL METHODS FOR EMPLOYMENT IN DREDGING AND DISPOSAL OPERATIONS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	26	100	15	100	12	100	23	100	27	100
1 OF MAJOR USEFULNESS	3	11	4	15	4	27	3	25	13	56	9	33
2	3	11	6	23	4	27	5	42	5	22	4	15
3	6	22	3	11	2	13	1	8			8	30
4	5	18	4	15	4	27			3	13	2	7
5	4	15	5	19			1	8	1	4	1	4
6 OF LITTLE OR NO USEFULNESS	6	22	4	15	1	7	2	17	1	4	3	11

TABLE D-42

.....EFFECTS OF DISPOSAL SITES ON ORGANISMS....SURROUNDING WATER, AND THE RATE....SUCH SITES ARE RECOLONIZED....

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	26	100	15	100	12	100	23	100	27	100
1 OF MAJOR USEFULNESS	8	30	3	11	7	47	2	17	14	61	11	41
2	4	15	3	11	2	13	3	25	4	17	3	11
3	3	11	6	23	2	13	1	8	2	9	4	15
4	3	11	4	15	1	7	1	8	2	9	5	18
5	3	11	4	15	1	7	2	17			2	7
6 OF LITTLE OR NO USEFULNESS	6	22	6	23	2	13	3	25	1	4	2	7

TABLE D-43

DEVELOPMENT, TESTING.EVALUATE..ENVIRONMENTAL, ECONOMIC AND ENGINEERING.. USING DREDGED MATERIAL AS A SUBSTRATE FOR MARSH.

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	27	100	15	100	12	100	23	100	27	100
1 OF MAJOR USEFULNESS	16	59	1	4	4	27	2	17	9	39	7	26
2	5	18	3	11	3	20	2	17	5	22	6	22
3	4	15	4	15	2	13			2	9	8	30
4			5	18	2	13	3	25			2	7
5	1	4	6	22	1	7	2	17	3	13	1	4
6 OF LITTLE OR NO USEFULNESS	1	4	8	30	3	20	2	17	4	17	3	11

TABLE D-44

....IMPROVED METHODS FOR THE OPERATION AND MANAGEMENT OF CONFINED DISPOSAL AREAS...

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	26	100	26	100	15	100	11	100	23	100	27	100
1 OF MAJOR USEFULNESS	9	35	5	19	4	27	5	45	9	39	4	15
2	7	27	9	35	3	20	1	9	3	13	3	11
3			4	15	2	13	2	18	3	13	4	15
4	1	4	3	11	1	7			2	9	8	30
5	3	11			1	7	2	18	3	13	3	11
6 OF LITTLE OR NO USEFULNESS	6	23	5	19	4	27	1	9	3	13	5	18

TABLE D-45

ASSESSMENT OF THE TECHNICAL AND ECONOMIC ASPECTS OF THE DEVELOPMENT OF... LANDFILL SITES AND.DEVELOPMENT OF RECREATION-ORIENTED.....LAND-USE CONCEPTS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	26	100	26	100	15	100	12	100	23	100	26	100
1 OF MAJOR USEFULNESS	3	11	9	35	6	40	4	33	7	30	3	11
2	6	23	6	23	2	13	1	8	5	22	3	11
3	8	31	6	23	1	7	3	25	3	13	9	35
4	4	15	4	15	3	20	1	8	2	9	5	19
5	1	4			1	7	1	8	3	13	4	15
6 OF LITTLE OR NO USEFULNESS	3	11	1	4	2	13	2	17	3	13	2	8

TABLE D-46

.....EFFECTS ON AQUATIC ORGANISMS DUE TO DREDGING AND DISPOSAL OPERATIONS

NUMBER OF RESPONDENTS	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
	27		27		16		13		23		27	
	#	%	#	%	#	%	#	%	#	%	#	%
NUMBER ANSWERING	26	100	27	100	15	100	13	100	22	100	27	100
1 OF MAJOR USEFULNESS	7	27	5	18	4	27	4	31	7	32	5	18
2	5	19	2	7	2	13	4	31	6	27	6	22
3	2	8	6	22	3	20	2	15	4	18	3	11
4	3	11	4	15	1	7	1	8	2	9	5	18
5	5	19	5	18	3	20					3	11
6 OF LITTLE OR NO USEFULNESS	4	15	5	18	2	13	2	15	3	14	5	18

TABLE D-47

..NEW DISPOSAL POSSIBILITIES.....AND INVESTIGATION OF SYSTEMS INVOLVING LONG DISTANCE TRANSPORT.....

NUMBER OF RESPONDENTS	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
	27		27		16		13		23		27	
	#	%	#	%	#	%	#	%	#	%	#	%
NUMBER ANSWERING	26	100	27	100	15	100	13	100	23	100	27	100
1 OF MAJOR USEFULNESS	3	11	7	26	3	20	6	46	4	17	4	15
2	6	23	4	15	3	20	2	15	6	26	5	18
3	4	15	1	4			1	8			4	15
4	4	15	5	18	5	33	4	31	5	22	2	7
5	1	4	5	18	2	13			4	17	6	22
6 OF LITTLE OR NO USEFULNESS	8	31	5	18	2	13			4	17	6	22

TABLE D-48

.....TECHNIQUES FOR DEWATERING OR DENSIFYING DREDGED MATERIAL.....
IN CONTAINMENT AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	25	100	27	100	15	100	13	100	23	100	27	100
1 OF MAJOR USEFULNESS	2	8	4	15	2	13	6	46	10	43	5	18
2	3	12	8	30	4	27	3	23	3	13	5	18
3	2	8	5	18	2	13	2	15			1	4
4	2	8			3	20	2	15	2	9	2	7
5	9	36	6	22	1	7			4	17	6	22
6 OF LITTLE OR NO USEFULNESS	7	28	4	15	3	20			4	17	8	30

TABLE D-49

.....ENVIRONMENTAL, ECONOMIC, AND ENGINEERING FEASIBILITY OF USING
DREDGED MATERIAL AS A SUBSTRATE FOR AQUATIC HABITAT.

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	26	100	15	100	11	100	23	100	27	100
1 OF MAJOR USEFULNESS	5	18	1	4	2	13	1	9	7	30	3	11
2	9	33	1	4	5	33	2	18	7	30	6	22
3	3	11	4	15	2	13	4	36	2	9	5	18
4	5	18	8	31	3	20	3	27	2	9	7	26
5	1	4	7	27	1	7	1	9	2	9	4	15
6 OF LITTLE OR NO USEFULNESS	4	15	5	19	2	13			3	13	2	7

TABLE D-50

TO CHARACTERIZE THE EFFLUENT + LEACHATE FROM CONFINED DISPOSAL.. DETERMINE THE MAGNITUDE..OF CONTAMINATION OF.AREAS, AND EVALUATE METHODS OF CONTROL

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	27	100	27	100	15	100	12	100	23	100	27	100
1 OF MAJOR USEFULNESS	2	7	1	4	2	13	3	25	6	26	6	22
2	3	11	8	30	4	27	2	17	5	22	4	15
3	4	15	8	30	4	27	1	8	3	13	3	11
4	6	22	3	11			1	8	5	22	6	22
5	6	22	4	15	1	7	4	33	1	4	3	11
6 OF LITTLE OR NO USEFULNESS	6	22	3	11	4	27	1	8	3	13	5	18

TABLE D-51

....HABITAT MANAGEMENT METHODOLOGIES TO UPLAND.AREAS FOR ..PLANNED HABITAT CREATION RECLAIMATION AND MITIGATION

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	26	100	25	100	14	100	9	100	22	100	27	100
1 OF MAJOR USEFULNESS	6	23	4	16	1	7	3	33	4	18	5	18
2	3	11	4	16	3	21	1	11	5	23	7	26
3	3	11	3	12	5	36			5	23	4	15
4	3	11	6	24	2	14	3	33	4	18	6	22
5	4	15	4	16	1	7	1	11	2	9	3	11
6 OF LITTLE OR NO USEFULNESS	7	27	4	16	2	14	1	11	2	9	2	7

TABLE D-52

.....SPATIAL AND TEMPORAL DISTRIBUTION OF DREDGED MATERIAL DISCHARGED....

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	27	100	15	100	12	100	23	100	26	100
1 OF MAJOR USEFULNESS	2	7	1	4	3	20	2	17	6	26	7	27
2	5	18	3	11	3	20	2	17	6	26	5	19
3	2	7	5	18			2	17	1	4	3	11
4	3	11	6	22	2	13	1	8			4	15
5	4	15	5	18	3	20			3	13	2	8
6 OF LITTLE OR NO USEFULNESS	11	41	7	26	4	27	5	42	7	30	5	19

TABLE D-53

..DREDGED MATERIAL..REHANDLING PROCEDURES AIMED AT PERMITTING THE REMOVAL OF MATERIAL FROM CONTAINMENT AREAS FOR LANDFILL....

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	26	100	26	100	15	100	12	100	23	100	27	100
1 OF MAJOR USEFULNESS	4	15	2	8	1	7	3	25	8	35	5	18
2	2	8	4	15	3	20	2	17	6	26	3	11
3	5	19	5	19	2	13	2	17	2	9	4	15
4	6	23	2	8	2	13	3	25	2	9	7	26
5	7	27	7	27	2	13	2	17	3	13	4	15
6 OF LITTLE OR NO USEFULNESS	2	8	6	23	5	33			2	9	4	15

TABLE D-54

DEVELOP TECH FOR DETERMING THE POLLUTANT PROPERTIES OF DREDGED MATERIAL.....

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	27	100	15	100	12	100	23	100	27	100
1 OF MAJOR USEFULNESS	2	7	4	15	4	27	1	8	4	17	3	11
2	3	11	4	15			3	25	5	22	6	22
3	8	30	5	18	3	20	2	17	6	26	6	22
4	6	22	5	18	1	7	3	25	2	9	6	22
5	3	11	4	15	2	13	2	17	3	13	5	18
6 OF LITTLE OR NO USEFULNESS	5	18	5	18	5	33	1	8	3	13	1	4

TABLE D-55

"PHYSICAL" CHEMICAL AND/OR BIOLOGICAL METHODS FOR THE REMOVAL AND RECYCLING OF DREDGED MATERIAL CONSTITUENTS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	26	100	15	100	11	100	23	100	27	100
1 OF MAJOR USEFULNESS			4	15	3	20	1	9	4	17	3	11
2	6	22	6	23					6	26	6	22
3	4	15	3	11	3	20	5	45	6	26	6	22
4	4	15	2	8	4	27	2	18	3	13	6	22
5	4	15	4	15	2	13	3	27			4	15
6 OF LITTLE OR NO USEFULNESS	9	33	7	27	3	20			4	17	2	7

TABLE D-56

.....METHODOLOGIES FOR HABITAT CREATIONS AND MANAGEMENT ON DREDGED MATERIAL ISLANDS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	26	100	27	100	15	100	12	100	23	100	26	100
1 OF MAJOR USEFULNESS	9	35	2	7	2	13	1	8	5	22	3	11
2	3	11	2	7	5	33	1	8	6	26	9	35
3	3	11	4	15	2	13	2	17	5	22	5	19
4	4	15	5	18	1	7	5	42	3	13	3	11
5	1	4	6	22	3	20	1	8			3	11
6 OF LITTLE OR NO USEFULNESS	6	23	8	30	2	13	2	17	4	17	3	11

TABLE D-57

..TECHNICAL AND ECONOMIC ASPECTS OF THE MANUFACTURE OF MARKETABLE PRODUCTS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	26	100	25	100	15	100	12	100	22	100	27	100
1 OF MAJOR USEFULNESS			2	8			2	17	1	4	2	7
2	4	15	1	4	1	7	1	8	2	9		
3	1	4	2	8	3	20	2	17	1	4	8	30
4			4	16					3	14	2	7
5	5	19	6	24	3	20			2	9	6	22
6 OF LITTLE OR NO USEFULNESS	16	61	10	40	8	53	7	58	13	59	9	33

TABLE D-58

12. HERE IS A LIST OF THE PROJECT AREAS WHICH COLLECTIVELY DEFINE THE SCOPE OF THE DMRP. (HAND CARD 2) PLEASE REVIEW THESE AND TELL ME OF OTHER POSSIBLE AREAS WHICH YOU THINK SHOULD ALSO BE INCLUDED IN THE PROGRAM.

	TOTAL	
NUMBER OF RESPONDENTS	134	
NUMBER ANSWERING	131	100
WELL COVERED, CANT ADD MORE	48	37
BEACH RESTORATION NOURISHMENT	2	1
DIKE CONTAINMENT - RESEARCH DESIGN	3	2
CHEM ANALYSIS, NATURAL AND INDUCED	1	1
ENG RESEARCH AND DEV OF CONTAINMENT STRUCTURES	1	1
CONCENTRATION OF TOXIC MATERIALS IN FOOD WASTES	1	1
METHODS OF MARINE SOILS, IMPORTANCE OF NAVIGATION	1	1
ROLE OF DREDGED MATERIALS IN AQUATIC-ECO SYS BEFORE DREDGE	2	1
STUDIES ON INITITAL AND FINAL HEIGHTS OF DREDGE MATERIAL AND ITS RELATIN PLANT COLONIZATION	3	2
STUDY AREAS NEW ORLEANS DIST	1	1
EXAM OF SEDIMENT RATES IN REGIONAL WATER COURSES	4	3
USE OF REMOTE SENSING TECH TO DEFINE EXISTING CONDITIONS VS POST OPERATIVE CONDITIONS	1	1
DISPERSION PATTERNS DIFF DEPTH	2	1
TYPES OF MATERIALS AND SUBSURFACE CURRENTS	1	1
COMPARATIVE ANALYSIS OF PAST COSTS TO FUTURE COSTS	1	1
ECO EFFECTS OF NOT DREDGING	1	1

TABLE D-58 (concluded)

EFFECT OF DREDGING+DISPOSAL ON TERRESTRIAL ORGANISM DISPLACEMENT	3	2
EFFECT OF DREDGING+DISPOSAL ON CORAL REEFS	1	1
EFFECT OF DREDGING+DISPOSAL AS A RESOURCE	1	1
EFFECT OF DREDGING+DISPOSAL ON HEAVY METALS	2	1
EFFECT OF DREDGING+DISPOSAL ON NUTRIENT IDENTIFICATION	2	1
EFFECT OF DREDGING+DISPOSAL ON FILLING OF MINING PITS	1	1
EFFECT OF DREDGING+DISPOSAL CHANNEL ALIGNMENT AND ECONOMIC TECHNICAL EVALUATION OF IMPLEMENTION NEW PROCEDURES	2	1
BARROW PIT RECLAMATION ALONG MISS RIVER LEVEES	1	1
DISPOSAL DESIGN	4	3
LAND AND/OR WATER IMPACTS OF DISPOSAL	2	1
NONE	32	25
DREDGING PROJECT SPECIFICATION	1	1
UPDATE REG TO CORRELATE WITH ENVIRO EMPHASIS	4	3
LAND USE CONCEPTS	2	1
EFFECTS OF DREDGING ON HYDRAULIC REGIME	1	1
REDUCTION OF RIVER SEDIMENT	1	1
CONTAINMENT STRUCT DES CRIT	1	1
EFFECT OF DISPOSAL ON ESTHETIC VALUES	2	1
NEW DREDGING TECHNIQUES	1	1

TABLE D-59

12. HERE IS A LIST OF THE PROJECT AREAS WHICH COLLECTIVELY DEFINE THE SCOPE OF THE DMRP. (HAND CARD 2) PLEASE REVIEW THESE AND TELL ME OF OTHER POSSIBLE AREAS WHICH YOU THINK SHOULD ALSO BE INCLUDED IN THE PROGRAM.

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	27	100	15	100	12	100	23	100	26	100
WELL COVERED, CANT ADD MORE	5	18	15	55	2	13	7	58	11	48	8	31
BEACH RESTORATION NOURISHMENT					1	7			1	4		
DIKE CONTAINMENT - RESEARCH DESIGN							1	8	2	9		
CHEM ANALYSIS, NATURAL AND INDUCED	1	4										
ENG RESEARCH AND DEV OF CONTAINMENT STRUCTURES	1	4										
CONCENTRATION OF TOXIC MATERIALS IN FOOD WASTES									1	4		
METHODS OF MARINE SOILS, IMPORTANCE OF NAVIGATION	1	4										
ROLE OF DREDGED MATERIALS IN AQUATIC-ECO SYS BEFORE DREDGE									1	4	1	4
STUDIES ON INITITAL AND FINAL HEIGHTS OF DREDGE MATERIAL AND ITS RELATIN PLANT COLONIZATION	1	4									2	8
STUDY AREAS NEW ORLEANS DIST	1	4										
EXAM OF SEDIMENT RATES IN REGIONAL WATER COURSES							2	17	1	4	1	4
USE OF REMOTE SENSING TECH TO DEFINE EXISTING CONDITIONS VS POST OPERATIVE CONDITIONS									1	4		
DISPERSION PATTERNS DIFF DEPTH TYPES OF MATERIALS AND					2	13						
SUBSURFACE CURRENTS									1	4		

TABLE D-59 (concluded)

COMPARATIVE ANALYSIS OF PAST COSTS TO FUTURE COSTS													1	4
ECO EFFECTS OF NOT DREDGING					1	7								
EFFECT OF DREDGING+DISPOSAL ON TERRESTRIAL ORGANISM DISPLACEMENT	1	4											2	8
EFFECT OF DREDGING+DISPOSAL ON CORAL REEFS											1	4		
EFFECT OF DREDGING+DISPOSAL														
EFFECT OF DREDGING+DISPOSAL AS A RESOURCE													1	4
EFFECT OF DREDGING+DISPOSAL ON HEAVY METALS							1	10			1	4		
EFFECT OF DREDGING+DISPOSAL ON NUTRIENT IDENTIFICATION													2	8
EFFECT OF DREDGING+DISPOSAL ON FILLING OF MINING PITS											1	4		
EFFECT OF DREDGING+DISPOSAL														
CHANNEL ALIGNMENT AND ECONOMIC TECHNICAL EVALUATION OF IMPLEMENTION NEW PROCEDURES			2	7										
BARROW PIT RECLAMATION ALONG MISS RIVER LEVEES			1	4										
DISPOSAL DESIGN	1	4	1	4	1	7							1	4
LAND AND/OR WATER IMPACTS OF DISPOSAL			1	4							1	4		
NONE	15	55	2	7	6	40	1	10	1	4	6	23		
DREDGING PROJECT SPECIFICATION UPDATE REG TO CORRELATE			1	4										
WITH ENVIRO EMPHASIS			1	4	2	13							1	4
LAND USE CONCEPTS			1	4			1	10						
EFFECTS OF DREDGING ON:														
HYDRAULIC REGIME			1	4										
REDUCTION OF RIVER SEDIMENT			1	4										
CONTAINMENT STRUCT DES CHIT					1	7								
EFFECT OF DISPOSAL ON ESTHETIC VALUES					1	7	1	10						
NEW DREDGING TECHNIQUES									1	4				

TABLE D-60

14. IF SOMEONE WERE TO ASK YOU ABOUT THIS PUBLICATION, WHAT WOULD YOU SAY ABOUT IT. HOW WOULD YOU DESCRIBE IT.

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	19	100	19	100	13	100	8	100	12	100	15	100
LATEST RESEARCH									2	17	1	7
BROAD					2	15			2	17	1	7
REVIEW OF STATE OF THE ART	9	47			1	8			5	42	4	27
INTERESTING; OCCASIONALLY USEFUL			3	21							3	20
AWARE, BUT HAVENT READ IT	2	10	4	28								
CANT APPLY STUDY RESULTS TO CURRENT JOB PROJECT FINDINGS NOT TRUSTWORTHY)	3	16			1	8			1	8		
NEW TECHNOLOGY OF DISPOSAL	1	5							1	8	1	7
WORTHWHILE	2	10					1	12	1	8		
WORDY, HARD TO READ			1	7	1	8						
INFORMATIVE BULLETIN	7	37	3	21	3	23	3	37	3	25	1	7
SOMETIMES TOO TECHNICAL	1	5	2	14	1	8					3	20
INFORMATIVE OVERVIEW OF RESEARCH PROGRAMS	4	22	2	14	2	17	2	25			1	7
USEFUL TO ENV AND OP PERSONNEL NOT TO ENG							1	12				
NO OPINION			2	14	3	25						

TABLE D-61

EVALUATION OF SCOPE AND CONTENT KNOWLEDGE ABOUT NEWS BULLETIN

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	27	100	25	100	16	100	12	100	23	100	26	100
1 LIMITED	8	30	12	48	8	50	4	33	11	48	11	42
2	2	7	3	12	1	6	3	25	1	4	1	4
3			5	20	4	25	1	8	1	4	5	19
4	9	33	3	12	3	19	2	17	1	4	4	15
5	8	30	2	8			2	17	7	30	4	15
6 EXTENSIVE									2	9	1	4

TABLE D-62

15. HOW DOES A COPY REACH YOU. (READ TO RESPONDENT)

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	19	100	15	100	11	100	7	100	12	100	15	100
BY MAIL TO YOU DIRECTLY FROM DMRP	10	53	1	7	3	27	3	43	1	8	2	13
YOUR NAME APPEARS ON PUBLICATION ROUTING SLIP	9	47	10	67	3	27	3	43	7	58	10	67
FROM A CO-WORKER OR ASSOCIATE			1	7	3	27	1	14	1	8	3	20
REQUEST OR SEEK COPY FROM LIBRARY					2	18						

TABLE D-63

16. A WHEN YOU FIRST EXAMINE AN ISSUE OF THE DMRP NEWSLETTER WHAT KIND OF INFORMATION DO YOU MOST OFTEN LOOK FOR

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	19	100	14	100	10	100	7	100	12	100	15	100
USEFUL CASE EXAMPLES					3	30						
NO PARTICULAR ITEM (GENERAL READING)	2	10	3	21	1	10	2	28	1	8	6	40
DISPOSAL METHODS, DREDGE SITES, DISPOSAL RE-USE	5	26							2	17	4	27
NEW TECHNIQUES	1	5					1	14			1	7
ENVIRO RESEARCH AND EFFECTS	2	10							3	25		
PROGRESS REPORTS	3	16					1	14				
NEW IDEAS	3	16	1	7								
HAVENT READ			2	14								
RESULTS OF STUDIES, RESEARCH PROJECTS			1	7	2	20			3	25	2	13
EFFECT ON MARINE LIFE, SPECIFIC CASE STUDIES			2	14								
SUBJECT HEADINGS							1	14				
ELUTRIATE TEST			1	7	1	10						
RESEARCH OR STUDIES IN AREAS OF PERSONAL OR LOCAL INTEREST	2	10	2	14			1	14	1	8		
INLAND WATERWAYS SITUATIONS			2	14								
ENGINEERING TOPICS							1	14			1	7
TURBIDITY CONTROL									1	8		
FUNDING, GOVT EXPENDITURES					2	20						

TABLE D-64

B. THEN, AFTER THAT, WHAT IS IT YOU LOOK FOR

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	19	100	13	100	8	100	7	100	12	100	14	100
READ ENTIRE ISSUE	6	31			1	12	1	14	1	8	2	14
DISPOSAL METHODS, DREDGE SITES												
DISPOSAL RE-USE	3	16	1	8					2	17	3	21
NOTHING ELSE	2	10	5	38	1	12	1	14	2	17	3	21
LIST OF NEW PUBLICATIONS					1	12	2	28				
ENGINEERING INFORMATION					1	12	1	14				
PHOTOGRAPHS											1	7
ANYTHING THAT APPLIES	4	21			1	12	2	28	1	8	1	7
HABITAT DEVELOPMENT	1	5			1	12						
RESULTS OF ON-GOING STUDIES												
WORK BEING DONE AT WES			1	8					1	8	1	7
LITERATURE ON NEW STUDIES					1	12						
SPECIFIC JOB REQUIREMENTS											1	7
DEVELOPMENT OF MARSH CREATION	1	5										
USEFULNESS OF INFORMATION,												
CONCLUSIONS AND RECOMMENDATION									1	8	1	7
NEW IDEAS AND TRENDS	1	5	1	8								
ENVIRO ORIENTED PROJECTS			1	8								
SCHEDULE COMPLETION DATES					1	12			2	17		
IMPACT OF DREDGING AND DISP												
TECH ON AQUATIC ORGANISMS									1	8		
					1	12	2	28				
17B (IF NO ASK) WHY DO YOU SAY	1	5	1	8								
NEED FOR TREATMENT OF												

TABLE D-65

17A IS THE INFORMATION PROVIDED ABOUT TOPICAL AREAS USUALLY SUFFICIENTLY DETAILED FOR YOUR NEEDS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	19	100	13	100	9	100	7	100	12	100	14	100
YES	12	63	8	61	5	55	3	43	12	100	11	78
NO	7	37	4	31	4	44	4	57			3	21

TABLE D-66

17B (IF NO ASK) WHY DO YOU SAY THAT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23		27	%
NUMBER ANSWERING	6	100	4	100	4	100	4	100	--		4	100
INFORMATION IS INCOMPLETE	1	17					1	25				
INSUFFICIENT DESIGN DATA					1	25	2	50				
NEED FOR RESEARCH REPORT					1	25					1	25
MORE ON SWAMPS AND MARSHLAND	1	17			1	25						
MORE STATE OF THE ART	1	17									2	50
CANT ANSWER EXPLICITLY	1	17	2	50								
INSUFFICIENT INFO ON SPEC SUBJ	2	33			1	25	1	25			1	25
MORE ON DISPOSAL AREA REUSE			1	25								
NEED FOR TREATMENT OF INLAND DREDGING			1	25								

TABLE D-67

18. NOW, IN ADDITION TO THE KINDS OF INFORMATION YOU MIGHT ORDINARILY EXPECT TO FIND IN THE DMRP PERIODICAL, WHAT OTHER KINDS WOULD YOU LIKE TO SEE: THAT IS, WHAT ADDITIONAL TYPE OF MATERIAL, IF ANY, SHOULD BE ADDED IN ORDER TO MAKE IT MORE USEFUL AND INTERESTING TO YOU.

	TOTAL	
NUMBER OF RESPONDENTS	134	
		%
NUMBER ANSWERING	77	100
MORE TECHNICAL MATERIAL	1	1
FINAL REPORT, SUMMARIZING	4	5
NEW DREDGING TECHNIQUES AND SEDIMENTATION STUDIES	3	4
DOING A GOOD JOB	14	18
PRACTICAL DATA	1	1
NO OPINION		
ADEQUATE	20	26
LACKING IN ENG INFO WITH RESPECT EQUIP USED DEMO PROJ	2	2
LESS SCIENTIFIC NAMES	1	1
MORE CONST CONTRACTS	1	1
EFFECT ON HEAVY METAL DUE TO DREDGING OPERATION	1	1
SIMILAR WORK BY OTHER DISTRICT	9	12
BETTER PICTURES	2	2
STUDY DIFFERENT DREDGING JOBS DONE ALL OVER U.S.	4	5
DIST USE OF DMRP INFO	1	1
CASE STUDIES WHAT COULD HAVE BEEN DONE VS WHAT WE DID	1	1
TREATMENT OF CONTAMINATED DREDGED MATERIAL	3	4
DREDGING AND DISPOSAL ENVIRO IMPACTS	5	6
DESIGN CRITERIA FOR DISPOSAL AREAS	4	5
PROJECT RESULTS	2	2
COST INFORMATION	1	1
ENGINEERING ASPECTS OF DISPOSAL SITES	4	5
DREDGING PROGRESS ABROAD	5	6
TABLE OF CONTENTS ON FRONT OF REPORT	1	1
BEACH & SHORELINE EROSION	1	1

TABLE D-68

18. NOW, IN ADDITION TO THE KINDS OF INFORMATION YOU MIGHT ORDINARILY EXPECT TO FIND IN THE DMRP PERIODICAL, WHAT OTHER KINDS WOULD YOU LIKE SEE; THAT IS, WHAT ADDITIONAL TYPE OF MATERIAL, IF ANY, SHOULD BE ADDED IN ORDER TO MAKE IT MORE USEFUL AND INTERESTING TO YOU

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	19	100	14	100	9	100	7	100	12	100	15	100
MORE TECHNICAL MATERIAL											1	7
FINAL REPORT, SUMMARIZING	1	5	1	7							2	13
NEW DREDGING TECHNIQUES AND SEDIMENTATION STUDIES	2	10							1	8		
DOING A GOOD JOB	2	10	2	14			1	14	6	50	3	20
PRACTICAL DATA					1	11						
NO OPINION												
ADEQUATE	4	21	5	36	2	22	3	43	3	25	3	20
LACKING IN ENG INFO WITH RESPECT EQUIP USED DEMO PROJ	2	10										
LESS SCIENTIFIC NAMES					1	11						
MORE CONST CONTRACTS											1	7
EFFECT ON HEAVY METAL DUE TO DREDGING OPERATION									1	8		
SIMILAR WORK BY OTHER DISTRICT	2	10	2	14	2	22			1	8	2	13
BETTER PICTURES			1	7	1	11						
STUDY DIFFERENT DREDGING JOBS DONE ALL OVER U.S.	2	10					1	14			1	7
DIST USE OF DMRP INFO	1	5										
CASE STUDIES WHAT COULD HAVE BEEN DONE VS WHAT WE DID			1	7								
TREATMENT OF CONTAMINATED DREDGED MATERIAL			1	7	2	22						
DREDGING AND DISPOSAL ENVIRO IMPACTS	3	16	1	7	1	11						
DESIGN CRITERIA FOR DISPOSAL AREAS	2	10	2	14								
PROJECT RESULTS			1	7								
COST INFORMATION			1	7								
ENGINEERING ASPECTS OF DISPOSAL SITES	3	16	1	7								
DREDGING PROGRESS ABROAD	1	5			1	11	2	28			1	7
TABLE OF CONTENTS ON FRONT OF REPORT											1	7
BEACH + SHORELINE EROSION	1	5										

TABLE D-69

19B YOU SAID, YOU PASS IT ON. DO YOU KNOW WHERE IT FINALLY ENDS UP THAT IS, ITS FINAL DISPOSITION

NUMBER OF RESPONDENTS	DIST 2 27	%	DIST 4 27	%	DIST 5 16	%	DIST 7 13	%	DIST 9 23	%	DIST 11 27	%
NUMBER ANSWERING	17	100	11	100	5	100	4	100	11	100	11	100
YES	16	94	4	36	5	100	2	50	11	100	4	36
NO	1	6	7	64			1	25			7	64

TABLE D-70

19C (IF YES) WHAT IS ITS FINAL DISPOSITION

NUMBER OF RESPONDENTS	DIST 2 27	%	DIST 4 27	%	DIST 5 16	%	DIST 7 13	%	DIST 9 23	%	DIST 11 27	%
NUMBER ANSWERING	17	100	4	100	5	100	3	100	11	100	5	100
FILE IT	17	100	4	100	3	60	3	100	11	100	3	60
DISCARD											1	20
DESIGN BRANCH LIBRARY					1	20						
PASS ALONG					1	20					1	20

TABLE D-71

218 (IF YES) WHAT WAS IT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	6	100	5	100	4	100	2	100	8	100	4	100
MERITS OF THE ELUTRIATE TESTS, PROCEDURES	1	17	1	20								
CURRENT STUDEIS ON MARSH CREATIONS (AND TURBIDITY)	5	83							2	25	1	25
CONFINEMENT OF DISPOSAL MATERIAL			1	20					1	12		
PLACEMENT OF DREDGED MAT FOR DEVEL OF RECREATION AREAS			1	20							1	25
DENSIFICATION			1	20								
PESTICIDE MOVEMENT IN DREDGED MATERIAL			1	20	1	25						
IMPACT OF CHEM POLLUT AND REDISPERSION OF POLLUTED MATERIALS							1	50				
STATUS REPORTS ON DIFFERENT PROJECTS					1	25	1	50			2	50
TURBIDITY CONTROL									2	25		
LIST OF CURRENT WES RESEARCH									1	12		
ENVIRO IMPACTS OF DREDGING AND DISPOSAL AQUAT ORGANISMS					1	25			1	12		
CATALOG ALL STUDIES					1	25						

NORMAL END-OF-JOB (0 7000)

TABLE D-72

22. HAVE YOU EVER HAD A NEED TO MAKE A REQUEST OR PREPARE ADDITIONAL COPIES OF THE BULLETIN EITHER FOR YOURSELF OR FOR OTHERS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	19	100	13	100	10	100	7	100	12	100	17	100
YES	4	21			1	10	2	28	3	25	3	18
NO	15	79	13	100	9	90	5	71	9	75	14	82

TABLE D-73

23. HERE IS A LIST OF TITLES OF MOST OF THE TECHNICAL REPORTS PUBLISHED BY THE DMRP TO DATE. (HAND RESPONDENT CARD 3) TELL ME WHICH, IF ANY, OF THE INDICATED STUDY AREAS DOES OR COULD RELATE TO YOUR WORK NEEDS OR INTERESTS. TO FACILITATE YOUR RESPONSE, SIMPLY READ ALOUD THE NUMBER AND ASSOCIATED TITLE, THEN RESPOND WITH A YES OR NO ANSWER.

DISPOSAL OF DREDGE SPOIL....DEVELOPMENT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	25	100
YES	8	40	16	59	8	53	8	61	15	65	11	44
NO	12	60	11	41	7	47	5	38	8	35	14	56

TABLE D-74

FEASIBILITY STUDY OF HYDROCYCLONE..OPERATIONS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	14	100	13	100	23	100	25	100
YES	2	10	1	4	4	28	7	54	5	22	5	20
NO	18	90	26	96	10	71	6	46	18	78	20	80

TABLE D-75

EFFECTS OF OPEN-WATER DISPOSAL...GULF COAST

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	26	100
YES	9	45	1	4	2	13	5	38	10	43	6	23
NO	11	55	26	96	13	87	8	61	13	56	20	77

TABLE D-76

DISCUSSION OF REGULATORY CRITERIA..MATERIALS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	26	100
YES	11	55	2	7	11	73	3	23	20	87	20	77
NO	9	45	25	92	4	27	10	77	3	13	6	23

TABLE D-77

INVESTIGATION OF MATHEMATICAL...MATERIALS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	25	100
YES	6	25	6	22	6	40	3	23	9	39	8	32
NO	15	75	21	78	9	60	10	77	14	61	17	68

TABLE D-78

PRACTICES AND PROBLEMS IN...PROJECTS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	26	100
YES	15	75	25	92	11	73	13	100	17	74	18	69
NO	5	25	2	7	4	27			6	26	8	31

TABLE D-79

LITERATURE REVIEW ON RESEARCH..CRITERIA

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
NUMBER ANSWERING	20	% 100	27	% 100	15	% 100	13	% 100	23	% 100	26	% 100
YES	11	55	16	59	8	53	11	85	12	52	13	50
NO	9	45	11	41	7	47	2	15	11	48	13	50

TABLE D-80

REGIONAL LANDFILL AND CONSTRUCTION,.AVAILABILITY

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
NUMBER ANSWERING	20	% 100	27	% 100	14	% 100	13	% 100	23	% 100	25	% 100
YES	7	35	16	59	7	50	12	92	8	35	8	32
NO	13	65	11	41	7	50	1	8	15	65	17	68

TABLE D-81

IDENTIFICATION OF OBJECTIONABLE.....AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	26	100
YES	12	60	24	89	11	73	10	77	18	78	15	58
NO	8	40	3	11	4	27	3	23	5	22	11	42

TABLE D-82

DEMONSTRATION OF A METHODOLOGY....DRAINAGE

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	14	100	13	100	23	100	25	100
YES	7	35	19	70	6	43	10	77	11	48	12	48
NO	13	65	8	30	8	57	3	23	12	52	13	52

TABLE D-83

CONTAINMENT AREA FACILITY....REHANDLING

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	25	100
YES	7	35	16	59	9	60	11	85	10	43	11	44
NO	13	65	11	41	6	40	2	15	13	56	14	56

TABLE D-84

LEGAL, POLICY, AND INSTITUTIONAL..ENHANCEMENT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	25	100
YES	7	35	12	44	8	53	7	54	8	35	11	44
NO	13	65	15	55	7	47	6	46	15	65	14	56

TABLE D-85

ASSESSMENT OF THE FACTORS.....AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	26	100
YES	16	80	15	55	7	47	11	85	15	65	14	54
NO	4	20	12	44	8	53	2	15	8	35	12	46

TABLE D-86

GENERAL RESEARCH PLAN.....AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	22	100	25	100
YES	11	55	1	4	8	53	7	54	14	64	10	40
NO	9	45	26	96	7	47	6	46	8	36	15	60

TABLE D-87

A FEASIBILITY STUDY OF LAWN SOD....SITES

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	14	100	13	100	23	100	25	100
YES	4	20	12	44	4	28	8	61	4	17	7	28
NO	16	80	15	55	10	71	5	38	19	83	18	72

TABLE D-88

GUIDELINES FOR MATERIAL.....CREATIONS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	15	100	13	100	23	100	26	100
YES	16	80	12	44	10	67	11	85	18	78	17	65
NO	4	20	15	55	5	33	2	15	5	22	9	35

TABLE D-89

24. WERE YOU AWARE OF THE EXISTENCE OF ANY OF THESE OTHER REPORTS BEFORE REVIEWING THIS LIST OF TITLES

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	26	100	14	100	11	100	22	100	26	100
YES	9	45	13	50	5	36	8	73	8	36	12	46
NO	11	55	13	50	9	64	3	27	14	64	14	54

TABLE D-90

(IF YES) PLEASE NAME THE TITLES YOU ALREADY KNOW OF BY THEIR CORRESPONDING REPORT NUMBERS AS LISTED ON THE CARD
. OF THESE YOU MENTIONED, WHICH HAVE YOU SCANNED OR READ PART OR ALL OF ITS CONTENT
DISPOSAL OF DREDGE SPOIL.....DEVELOPMENT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	13	100	8	100	22	100	11	100
DOES NOT KNOW	12	60	21	78	7	54	3	37	13	59	5	45
KNOWS OF, HAS NOT READ	1	5	3	11	3	23			4	18	3	27
KNOWS, SCAN OR READ	7	35	3	11	3	23	5	62	5	23	3	27

TABLE D-91

FEASIBILITY STUDY OF HYDROCYCLONE..OPERATIONS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	12	100	7	100	22	100	11	100
DOES NOT KNOW	15	75	21	78	9	75	6	86	17	77	8	73
KNOWS OF, HAS NOT READ	4	20	3	11	1	8			3	14		
KNOWS, SCAN OR READ	1	5	3	11	2	17	1	14	2	9	3	27

TABLE D-92

EFFECTS OF OPEN-WATER DISPOSAL...GULF COAST

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	12	100	7	100	22	100	11	100
DOES NOT KNOW	13	65	21	78	9	75	5	71	15	68	6	54
KNOWS OF, HAS NOT READ	5	25	4	15	2	17			4	18	1	9
KNOWS, SCAN OR READ	2	10	2	7	1	8	2	28	3	14	4	36

TABLE D-93

DISCUSSION OF REGULATORY CRITERIA..MATERIALS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	13	100	8	100	22	100	12	100
DOES NOT KNOW	10	50	19	70	7	54	5	62	11	50	6	50
KNOWS OF, HAS NOT READ	4	20	4	15	1	8			5	23	2	17
KNOWS, SCAN OR READ	6	30	4	15	5	38	3	37	6	27	4	33

TABLE D-94

INVESTIGATION OF MATHEMATICAL...MATERIALS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	21	100	13	100	8	100	21	100	11	100
DOES NOT KNOW	14	70	22	81	9	69	5	62	13	62	8	73
KNOWS OF, HAS NOT READ	4	20	3	11	1	8			5	24	2	18
KNOWS, SCAN OR READ	2	10	2	7	3	23	3	37	3	14	1	9

TABLE D-95

PRACTICES AND PROBLEMS IN,...,PROJECTS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	13	100	8	100	22	100	12	100
DOES NOT KNOW	9	45	18	67	9	69	2	25	12	54	9	75
KNOWS OF, HAS NOT READ	3	15	5	18					6	27	1	8
KNOWS, SCAN OR READ	8	40	4	15	4	31	6	75	4	18	2	17

TABLE D-96

LITERATURE REVIEW ON RESEARCH,,CRITERIA

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	13	100	8	100	22	100	11	100
DOES NOT KNOW	10	50	21	78	9	69	5	62	15	68	7	64
KNOWS OF, HAS NOT READ	6	30	3	11	1	8			3	14	1	9
KNOWS, SCAN OR READ	4	20	3	11	3	23	3	37	4	18	3	27

TABLE D-97

REGIONAL LANDFILL AND CONSTRUCTION..AVAILABILITY

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	12	100	7	100	22	100	11	100
DOES NOT KNOW	12	60	22	81	8	67	4	57	16	73	9	82
KNOWS OF, HAS NOT READ	3	15	2	7	1	8			4	18	1	9
KNOWS, SCAN OR READ	5	25	3	11	3	25	3	43	2	9	1	9

TABLE D-98

IDENTIFICATION OF OBJECTIONABLE.....AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	12	100	7	100	22	100	11	100
DOES NOT KNOW	11	55	21	78	9	75	3	43	13	59	8	73
KNOWS OF, HAS NOT READ	4	20	3	11	1	8	1	14	5	23	2	18
KNOWS, SCAN OR READ	5	25	3	11	2	17	3	43	4	18	1	9

TABLE D-99

DEMONSTRATION OF A METHODOLOGY....DRAINAGE

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	12	100	8	100	22	100	12	100
DOES NOT KNOW	11	55	20	74	9	75	5	62	13	59	9	75
KNOWS OF, HAS NOT READ	4	20	3	11	2	17			4	18		
KNOWS, SCAN OR READ	5	25	4	15	1	8	3	37	5	23	3	25

TABLE D-100

CONTAINMENT AREA FACILITY....REHANDLING

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	12	100	7	100	22	100	11	100
DOES NOT KNOW	9	45	22	81	9	75	4	57	13	59	10	91
KNOWS OF, HAS NOT READ	5	25	2	7					6	27		
KNOWS, SCAN OR READ	6	30	3	11	3	25	3	43	3	14	1	9

TABLE D-101

LEGAL, POLICY, AND INSTITUTIONAL..ENHANCEMENT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	13	100	8	100	22	100	11	100
DOES NOT KNOW	11	55	21	78	9	69	5	62	17	77	9	82
KNOWS OF, HAS NOT READ	4	20	4	15	2	15	1	12	4	18	1	9
KNOWS, SCAN OR READ	5	25	2	7	2	15	2	25	1	4	1	9

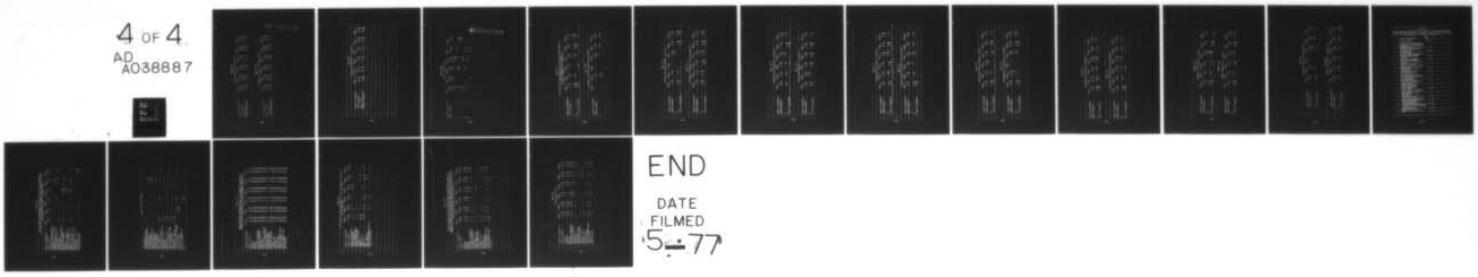
TABLE D-102

ASSESSMENT OF THE FACTORS.....AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	13	100	7	100	22	100	11	100
DOES NOT KNOW	8	40	22	81	9	69	5	71	14	64	8	73
KNOWS OF, HAS NOT READ	3	15	2	7	1	8			4	18	1	9
KNOWS, SCAN OR READ	9	45	3	11	3	23	2	28	4	18	2	18

AD-A038 887 TEKNEKRON INC WASHINGTON D C F/G 5/2
DESIGN REQUIREMENTS FOR AN INFORMATION DISSEMINATION AND TECHNO--ETC(U)
FEB 77 D M SPEAKER, W H WEISGERBER DACW39-75-C-0092
UNCLASSIFIED WES-CR-D-77-1-VOL-2 NL

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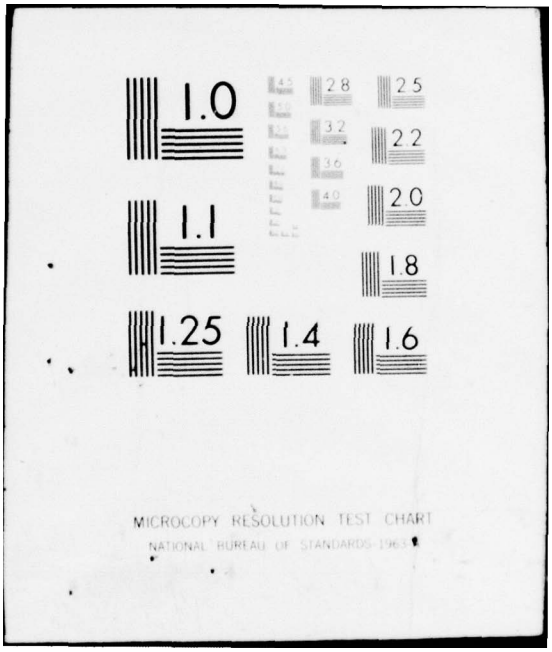

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE D-103

GENERAL RESEARCH PLAN.....AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	13	100	7	100	22	100	12	100
DOES NOT KNOW	12	60	21	78	9	69	4	57	14	64	8	67
KNOWS OF, HAS NOT READ	2	10	3	11	1	8			4	18	1	8
KNOWS, SCAN OR READ	6	30	3	11	3	23	3	43	4	18	3	25

TABLE D-104

A FEASIBILITY STUDY OF LAWN SOD....SITES

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	20	100	27	100	12	100	7	100	22	100	11	100
DOES NOT KNOW	13	65	20	74	10	83	5	71	19	86	10	91
KNOWS OF, HAS NOT READ	4	20	3	11	1	8	1	14	2	9		
KNOWS, SCAN OR READ	3	15	4	15	1	8	1	14	1	4	1	9

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TABLE D-105

GUIDELINES FOR MATERIAL.....CREATIONS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	20	100	27	100	11	100	7	100	22	100	12	100
DOES NOT KNOW	7	35	21	78	7	64	5	71	15	68	6	50
KNOWS OF, HAS NOT READ	4	20	2	7	1	9			4	18	3	25
KNOWS, SCAN OR READ	9	45	4	15	3	27	2	28	3	14	3	25

TABLE D-106

NUMBER OF REPORTS READ

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
NUMBER ANSWERING	13	% 100	4	% 100	4	% 100	8	% 100	4	% 100	3	% 100
1	2	15	2	50	1	25	2	25				
2	1	8					2	25				
3	1	8					1	12	1	25		
4					1	25					1	33
5	1	8			1	25					1	33
6	1	8									1	33
7	2	15					1	12				
8	3	23					1	12				
9					1	25						
12	1	8							2	50		
13							1	12				
15	1	8										
16			1	25					1	25		

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TABLE D-107

26. WE WOULD LIKE YOUR OPINION ON THE CLARITY AND UNDERSTANDABILITY OF THE REPORTS YOU HAVE READ
DISPOSAL OF DREDGE SPOIL.....DEVELOPMENT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	7	100	1	100	1	100	6	100	5	100	4	100
2							1	17				
3	1	14									1	25
4	1	14	1	100			1	17	2	40	1	25
5	2	28					4	67	2	40		
6 EASY TO UNDERSTAND	3	43			1	100			1	20	2	50

TABLE D-108

FEASIBILITY STUDY OF HYDROCYCLONE..OPERATIONS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING			2	100	--		1	100	2	100	3	100
2							1	100				
4			1	50					2	100	1	33
5			1	50							2	67

TABLE D-109

EFFECTS OF OPEN-WATER DISPOSAL...GULF COAST

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	3	100	1	100	--		2	100	3	100	5	100
2							2	100				
3											1	20
4	2	67	1	100					1	33	1	20
5	1	33							1	33	1	20
6 EASY TO UNDERSTAND									1	33	2	40

TABLE D-110

DISCUSSION OF REGULATORY CRITERIA..MATERIALS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	7	100	3	100	3	100	4	100	6	100	5	100
2							1	25				
3	1	14	1	33							1	20
4	3	43	2	67	1	33	2	50	2	33	1	20
5	3	43			1	33	1	25	2	33	3	60
6 EASY TO UNDERSTAND					1	33			2	33		

TABLE D-111

INVESTIGATION OF MATHEMATICAL...MATERIALS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	1	100	1	100	2	100	3	100	3	100	2	100
2							2	67			1	50
3					1	50	1	33				
4	1	100	1	100					1	33	1	50
5									1	33		
6 EASY TO UNDERSTAND					1	50			1	33		

TABLE D-112

PRACTICES AND PROBLEMS IN....PROJECTS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	9	100	2	100	3	100	5	100	4	100	2	100
2			1	50								
4	2	22	1	50	1	33	1	20	2	50	1	50
5	3	33			1	33	2	40	1	25		
6 EASY TO UNDERSTAND	4	44			1	33	2	40	1	25	1	50

TABLE D-113

LITERATURE REVIEW ON RESEARCH..CRITERIA

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	5	100	2	100	2	100	3	100	5	100	2	100
2							1	33			1	50
4			1	50			1	33	2	40		
5	1	20	1	50	1	50	1	33	1	20	1	50
6 EASY TO UNDERSTAND	4	80			1	50			2	40		

TABLE D-114

REGIONAL LANDFILL AND CONSTRUCTION..AVAILABILITY

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	4	100	1	100	1	100	3	100	1	100	1	100
2							1	33				
3					1	100						
4	1	25	1	100			1	33	1	100	1	100
5	2	50					1	33				
6 EASY TO UNDERSTAND	1	25										

TABLE D-115

IDENTIFICATION OF OBJECTIONABLE.....AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	5	100	1	100	1	100	2	100	4	100	1	100
3					1	100						
4	2	40	1	100					2	50		
5	2	40					1	50	1	25	1	100
6 EASY TO UNDERSTAND	1	20					1	50	1	25		

TABLE D-116

DEMONSTRATION OF A METHODOLOGY....DRAINAGE

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	5	100	2	100	--		3	100	5	100	3	100
2			1	50			1	33				
3											1	33
4	1	20	1	50			1	33	2	40	1	33
5	3	60					1	33	2	40	1	33
6 EASY TO UNDERSTAND	1	20							1	20		

TABLE D-117

CONTAINMENT AREA FACILITY...REHANDLING

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
NUMBER ANSWERING	4	% 100	2	% 100	1	% 100	5	% 100	3	% 100	1	% 100
2							1	20				
4	1	25	1	50	1	100	1	20	2	67	1	100
5	2	50	1	50			3	60				
6 EASY TO UNDERSTAND	1	25							1	33		

TABLE D-118

LEGAL, POLICY, AND INSTITUTIONAL..ENHANCEMENT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
NUMBER ANSWERING	5	% 100	1	% 100	2	% 100	2	% 100	1	% 100	1	% 100
2							1	50				
3					1	50						
4	1	20	1	100			1	50	1	100	1	100
5	3	60										
6 EASY TO UNDERSTAND	1	20			1	50						

TABLE D-119

ASSESSMENT OF THE FACTORS.....AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	8	100	1	100	2	100	4	100	4	100	2	100
2	1	12					1	25				
3							1	25				
4	3	37	1	100	1	50	1	25	2	50		
5	3	37					1	25	1	25		
6 EASY TO UNDERSTAND	1	12			1	50			1	25	2	100

TABLE D-120

GENERAL RESEARCH PLAN.....AREAS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	7	100	1	100	2	100	3	100	4	100	3	100
2							1	33				
4	1	14	1	100					2	50	1	33
5	4	57			1	50	2	67	1	25	2	67
6 EASY TO UNDERSTAND	2	28			1	50			1	25		

TABLE D-121

A FEASIBILITY STUDY OF LAWN SOD....SITES

	DIST 2		DIST 4		DIST 5	DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16	13		23		27	
		%		%			%		%		%
NUMBER ANSWERING	3	100	1	100	--	2	100	1	100	1	100
2						1	50				
4			1	100				1	100	1	100
5	1	33				1	50				
6 EASY TO UNDERSTAND	2	67									

TABLE D-122

GUIDELINES FOR MATERIAL.....CREATIONS

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	10	100	2	100	2	100	2	100	3	100	4	100
2							1	50				
4	2	20	1	50	1	50			2	67	2	50
5	3	30	1	50			1	50	1	33	1	25
6 EASY TO UNDERSTAND	5	50			1	50					1	25

TABLE D-123

27. ASIDE FROM THE DMRP REPORTS, COULD YOU CITE THE TITLE OF SOME OTHER TECHNICAL REPORT YOU HAVE READ ON ANY SUBJECT WHICH YOU CONSIDER UNUSUALLY GOOD IN TERMS OF ITS CLARITY OF PRESENTATION

	TOTAL	
NUMBER OF RESPONDENTS	134	
		%
NUMBER ANSWERING	51	100
TECHNIQUES IN EVALUATION OF SUITABILITY OF BORROW MATERIAL FOR BEACH FILL	1	2
REPORT ON COMPUTORIZED INPUT TO ENVIRO INVENTORY 1974	3	6
CONSTRUCTION	1	2
COST ESTIMATING	1	2
TECHNICAL REPORT ON STABILITY ANALYSIS FROM VICKSBURG	1	2
ENGINEER NEWS RECORDS	5	10
POLLUTION	1	2
STREAM FLOW - PUBLISHED BY COUNCIL OF EUROPE	1	2
JOURNAL OF THE CONSTRUCTION DIVISION	4	8
JOURNAL OF WATERWAYS WATER AND WASTEWATER CONTROL PUBLICATION	1	2
DREDGE DISPOSAL STUDY BY JOHN SUSTAR	3	6
OFFSHORE STRUCTURING	1	2
E.I.S.O. AND M. FOR TECHE VERMILLION	1	2
THE EFFECTS OF DREDGING		
BIO ASSESSMENT OF TAMPA BAY	1	2
DR. ODUMS REPORT ON CONFINED DISPOSAL	1	2
DR. HUDSONS DREDGING PROGRAM FOR IMPROVEMENT IN HOPPER DREDGES AND OPERATING PROCEDURE	1	2
REPORTS PUBLISHED BY ENVIRO NEWSLETTER	1	2
WORLD DREDGING	5	10
ENVIRO IMPACT STATEMENT ON BAYOU DES FAMILLES PERMIT APPLICATIONS	2	4
QUARRYING OPEN - COST AND MINING	1	2
STATE ITEM ARTICLE ON LOUISIANA DISAPPEARING LAND	2	4
CORNELL PRESS DREDGING BOOK	1	2
DIXIE ROTO MAGAZINE (SUNDAY NEWSPAPER)	1	2
WATER SPECTRUM MAGAZINE	2	4
ESTUARIES AND ESTUARY SEDIMENT	1	2
STATISTICAL METHODS HYDROLOGY	1	2
ANNUAL WES REPORT	1	2
ECO EFFORTS ON LAND STUDY IN SAN FRANCISCO BAY	1	2
MESA	2	4

TABLE D-124

27. ASIDE FROM THE DMRP REPORTS, COULD YOU CITE THE TITLE OF SOME OTHER TECHNICAL REPORT YOU HAVE READ ON ANY SUBJECT WHICH YOU CONSIDER UNUSUALLY GOOD IN TERMS OF ITS CLARITY OF PRESENTATION

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27	%	27	%	16	%	13	%	23	%	27	%
NUMBER ANSWERING	18	100	2	100	5	100	7	100	7	100	12	100
TECHNIQUES IN EVALUATION OF SUITABILITY OF BORROW MATERIAL FOR BEACH FILL									1	14		
REPORT ON COMPUTORIZED INPUT TO ENVIRO INVENTORY 1974					1	20			1	14	1	8
CONSTRUCTION	1	5										
COST ESTIMATING											1	8
TECHNICAL REPORT ON STABILITY ANALYSIS FROM VICKSBURG							1	14				
ENGINEER NEWS RECORDS	3	17					1	14	1	14		
POLLUTION							1	14				
STREAM FLOW - PUBLISHED BY COUNCIL OF EUROPE							1	14				
JOURNAL OF THE CONSTRUCTION DIVISION	1	5					1	14	1	14	1	8
JOURNAL OF WATERWAYS WATER AND WASTEWATER CONTROL PUBLICATION											1	8
DREDGE DISPOSAL STUDY BY JOHN SUSTAR											3	25
OFFSHORE STRUCTURING											1	8
E.I.S.O. AND M. FOR												

TABLE D-124 (concluded)

TECHE VERMILLION	1	5												
THE EFFECTS OF DREDGING														
BIO ASSESSMENT OF TAMPA BAY														
DR. ODUMS REPORT ON														
CONFINED DISPOSAL											1	14		
DR. HUDSONS DREDGING														
PROGRAM FOR IMPROVEMENT IN														
HOPPER DREDGES AND														
OPERATING PROCEDURE														
REPORTS PUBLISHED BY														
ENVIRO NEWSLETTER	1	5									1	14		
WORLD DREDGING	3	17					1	20					1	8
ENVIRO IMPACT STATEMENT														
ON BAYOU DES FAMILLES PERMIT														
APPLICATIONS	2	11												
QUARRYING OPEN - COST														
AND MINING	1	5												
STATE ITEM ARTICLE ON														
LOUISIANA DISAPPEARING LAND	1	5												
CORNELL PRESS DREDGING BOOK	1	5												
DIXIE ROTO MAGAZINE														
(SUNDAY NEWSPAPER)	1	5												
WATER SPECTRUM MAGAZINE	1	5											1	8
ESTUARIES AND ESTUARY SEDIMENT							1	20						
STATISTICAL METHODS HYDROLOGY			1	50										
ANNUAL WES REPORT			1	50										
ECO EFFORTS ON LAND														
STUDY IN SAN FRANCISCO BAY														
SCIENTIFIC AMERICAN							1	20						
MESA							1	20	1	14			1	8

TABLE D-125

28A NOW CONSIDER A DIFFERENT METHOOD USED TO COMMUNICATE AND CONVEY INFORMAITON ABOUT NEW TECHNICAL IDEAS AND PROCEDURES. HERE IS A LIST PLEASE TELL ME THOSE WITH WHICH YOU HAVE HAD PERSONAL EXPERIENCE.

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	27	100	26	100	13	100	13	100	22	100	26	100
CONFERENCE	21	78	22	85	12	92	12	92	16	73	20	77
SEMINARS	22	81	16	61	10	77	10	77	16	73	16	61
WORK SHOP	18	67	11	42	8	61	10	77	11	50	13	50
MEETINGS	25	96	23	92	11	78	12	92	16	73	22	85
PEER (ASSOC INSTRUCTION)	17	65	18	72	7	50	12	92	10	45	17	65
SUPERVISOR INSTRUCTION	19	73	17	68	9	64	11	85	12	54	15	58
SUBORDINATE SUGGESTION	14	61	12	48	4	31	11	85	9	41	12	48
DEMONSTRATION	15	65	12	48	4	31	7	54	11	50	10	40
TRADE SHOWS	11	48	3	12	1	8	5	38	3	14	6	24
ON SITE VISIT DEMONSTRATION	23	88	15	58	4	31	5	38	12	54	15	62
CONSULTANT PRESENTATIONS	11	42	11	42	4	31	8	61	7	32	12	50
DOG AND PONY SHOW	4	15	8	31	1	8	1	8	2	9	7	29
PROFESSIONAL SOCIETY LECTURE PRESENTATION	19	76	13	50	2	14	9	69	9	41	17	68
SPONSOR REPRESENTATIVE	13	52	7	27	1	7	6	46	9	41	7	28
SYMPOSIA	13	52	2	8	4	28	6	46	6	27	10	40
UNIVERSITY COURSE	16	64	11	44	6	46	6	46	7	32	15	58
TAPE CASSETTES	7	28	4	16	3	23	3	23	1	4	2	8
VIDEOTAPES	8	32	6	24	2	15	5	38	2	9	3	11
MOTION PICTURES	18	67	13	50	3	21	9	69	5	23	17	65
CONSULTANT REPORTS	15	55	13	50	6	43	9	69	11	50	14	54
IN-HOUSE TECHNICAL REPORTS	23	85	18	69	5	36	10	77	14	64	18	69
JOURNAL ARTICLES	24	89	22	85	8	57	11	85	13	59	17	65
TEXT AND REFERENCE BOOKS	24	89	21	81	7	50	10	77	9	41	14	54
NOTES AND MEMOS	13	54	15	60	5	38	8	61	10	45	11	42
NEWS RELEASES	20	83	18	72	4	31	10	77	12	54	14	54

TABLE D-126

28B ARE THERE ANY OTHERS THAT ARE NOT LISTED ON THE CARD WITH WHICH YOU HAVE HAD EXPERIENCE IF YES WHAT

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		27		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	27	100	27	100	15	100	13	100	23	100	26	100
INFORMAL CONVERSATION			1	4			4	31	1	4		
EXPERIMENTAL SITES							1	8				
ON SITE INSPECTION	1	4										
AGENCY SPONSORED COURSES			1	4							1	4
TECHNICAL NEWSPAPERS, MAGAZINES, CIRCULARS	1	4							1	4		
TELEVISION	1	4	1	4					1	4		
LIBRARY	4	15										
SUGGESTION BOX	1	4										
NONE OR NO	17	63	22	81	12	80	5	46	16	69	23	88
RADIO					1	7			2	9		
AGENCY CONTACTS									1	4		
SLEDGE PRESENTATION			1	4			1	8				
WORKING WITH PRIVATE DREDGE CO					1	7			1	4		
SLIDES WITH NARRATOR			1	4	1	7					1	4

TABLE D-127

28C AS YOU KNOW, THE TYPE OF COMMUNICATION MAY SUBSTANTIALLY AFFECT THE EASE AND RAPIDITY WITH WHICH NEW TECHNICAL IDEAS AND PROCEDURES CAN BE LEARNED. IN TERMS OF THESE FACTORS IE. EASE AND RAPIDITY, WHICH OF ALL THE COMMUNICATION METHODS YOU JUST MENTIONED ARE USUALLY MOST EFFECTIVE FOR YOU? WHICH WOULD YOU RATE AS FIRST AND SECOND

NUMBER OF RESPONDENTS	DIST 2 27		DIST 4 27		DIST 5 16		DIST 7 13		DIST 9 23		DIST 11 27	
		%		%		%		%		%		%
NUMBER ANSWERING	27	100	27	100	15	100	13	100	22	100	25	100
FIRST												
CONFERENCE	1	4	6	22	4	27	1	8	4	18	3	12
SEMINARS	5	18	4	15	2	13	1	8	3	14	5	20
WORK SHOP	2	7	3	11	3	20	2	15	8	36	2	8
MEETINGS			2	7	1	7	1	8			1	4
PEER (ASSOC INSTRUCTION)	2	7					2	15			3	12
SUPERVISOR INSTRUCTION	1	4	1	4	1	7	1	8	1	4	2	8
SUBORDINATE SUGGESTION					1	7						
DEMONSTRATION	1	4	2	7			1	8				
PROFESSIONAL SOCIETY LECTURE PRESENTATION							1	8				
SPONSOR REPRESENTATIVE											1	4
SYMPOSIA	1	4										
UNIVERSITY COURSE	2	7	1	4							2	8
VIDEOTAPES	1	4										
MOTION PICTURES	1	4	2	7					1	4	1	4
CONSULTANT REPORTS											1	4
IN-HOUSE TECHNICAL REPORTS	2	7	1	4					1	4	1	4
JOURNAL ARTICLES	1	4	2	7	1	7	1	8	1	4	1	4
TEXT AND REFERENCE BOOKS	3	11			1	7						
NEWSLETTER	1	4							1	4		

TABLE D-128

SECOND METHOD CHOSEN

	DIST 2		DIST 4		DIST 5		DIST 7		DIST 9		DIST 11	
NUMBER OF RESPONDENTS	27		37		16		13		23		27	
		%		%		%		%		%		%
NUMBER ANSWERING	27	100	27	100	14	100	13	100	22	100	25	100
CONFERENCE	3	11	4	15	2	14	1	8	1	4	1	4
SEMINARS	5	18	3	11			1	8	3	14	3	12
WORK SHOP	1	4	1	4			3	23	1	4	1	4
MEETINGS	1	4	5	18	1	7	1	8	1	4	3	12
PEER (ASSOC INSTRUCTION)	1	4	4	15	2	14			1	4	2	8
SUPERVISOR INSTRUCTION	1	4	2	7	2	14	1	8	1	4	1	4
SUBORDINATE SUGGESTION					1	7	1	8			1	4
DEMONSTRATION			2	7	1	7			2	9	1	4
TRADE SHOWS											1	4
PROFESSIONAL SOCIETY LECTURE PRESENTATION									1	4		
SPONSOR REPHESENTATIVE	1	4										
SYMPOSIA									1	4		
UNIVERSITY COURSE	1	4	1	4					2	9	1	4
VIDEOTAPES					1	7						
MOTION PICTURES	2	7									1	4
CONSULTANT REPORTS			1	4			1	8				
IN-HOUSE TECHNICAL REPORTS	3	11	2	7	1	7			3	14	1	4
JOURNAL ARTICLES	3	11	1	4	2	14	2	15			2	8
NEWSLETTER					1	7					1	4
NOTES AND MEMOS	1	4							2	9		