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# Information On Closures And Operations Of Coast Guard Search And Rescue Stations B-114851

United States Coast Guard  
Department of Transportation

*BY THE COMPTROLLER GENERAL  
OF THE UNITED STATES*

701293

096273

OCT. 19. 1972



COMPTROLLER GENERAL OF THE UNITED STATES  
WASHINGTON, D.C. 20548

B-114851

R Dear Mr. Aspin:

Pursuant to your request of May 17, 1972, and to discussions with your office, we obtained information in response to certain questions which your office furnished to us regarding closures and operations of Coast Guard search and rescue stations. These questions and the information we obtained are presented in this report.

We have not obtained formal comments from the Coast Guard on the contents of this report. This fact should be considered in any use made of the report.

We shall make no further distribution of this report until we have obtained your agreement or you have made a public announcement concerning its contents.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "James B. Pate".

Comptroller General  
of the United States

The Honorable Les Aspin  
House of Representatives

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ABBREVIATION

SAR search and rescue

INFORMATION ON CLOSURES AND OPERATIONS  
OF COAST GUARD SEARCH AND RESCUE STATIONS

1. Since 1967 how many Coast Guard stations have been closed?

The following 20 stations have been disestablished, re-located, or combined with other stations or have had their search and rescue (SAR) functions terminated.

<u>Station</u>	<u>Date</u>	<u>Remarks</u>
Assateague, Va.	Jan. 1967	Disestablished
Point Adams, Oreg.	Mar. 1967	Do.
Lewes, Del.	Mar. 1968	Do.
Point Reyes, Calif.	Dec. 1968	Do.
Chicago, Ill.	Jan. 1969	Do.
Virginia Beach, Va.	Jan. 1969	Do.
Hampton Beach, N.H.	Jan. 1970	Do.
Everett, Wash.	Oct. 1970	Do.
Coquille River, Oreg.	Oct. 1971	Do.
Racine, Wis.	Oct. 1971	Do.
Fletchers Neck, Maine	Oct. 1971	Do.
Kennebec River, Maine	Oct. 1971	Do.
Mackinac Island, Mich.	Sept. 1969	Do.
Bayfield, Wis.	Dec. 1969	Do.
Wake Island	Feb. 1968	SAR function terminated
New Orleans, La.	Oct. 1968	Combined with another unit 3 miles away

<u>Station</u>	<u>Date</u>	<u>Remarks</u>
Fort Point, Calif. (note a)	Oct. 1970	Combined with another unit 6 miles away
Tilghman Island, Md.	June 1970	Relocated 10 miles away
Quoddy Head, Maine	July 1970	Relocated 5 miles away
Port Canaveral, Fla. (note b)	July 1970	Relocated to a vessel stationed at Port Canaveral

<sup>a</sup>Reestablishment authorized June 1972.

<sup>b</sup>New station planned for 1974.

The closure of two additional stations--St. Clair Flats, Michigan, and Louisville, Kentucky--is currently under consideration.

2. What criteria does the Coast Guard use in deciding to close a station?  
Does the criteria take into account the number of SAR missions performed by each station?

The Coast Guard made a study in 1962 of its needs for shore units to carry out its major missions of (a) SAR, (b) aids to navigation, and (c) law enforcement. The study resulted in a Shore Units Plan<sup>1</sup> for the location of various types of stations and identified areas where Coast Guard capability exceeded or fell short of indicated needs.

A Coast Guard official told us that, in areas where capability appeared to exceed needs, the Coast Guard considered a station's (a) SAR caseload, (b) manpower utilization, (c) operating cost, and (d) physical plant. Such considerations resulted in some stations' becoming candidates for reductions of men and equipment or, in some cases, for disestablishment. He explained that the ultimate decision to close a station was handled on a case-by-case basis and that, in each case, the decision involved a determination of whether appropriate

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<sup>1</sup>Revised in 1966, amended in 1967, and being revised again as of August 1972.

response capability could be provided through alternative means, such as adjacent stations, seasonal detachments, or safety patrols.

He also explained that the relative importance of the four factors discussed above could vary significantly, depending upon the individual station under consideration. For example, a station's SAR caseload is one of the factors considered by the Coast Guard in its studies of potential station closures, but it is not necessarily the major determinant of closure actions. A relatively small number of SAR responses would not automatically lead to a station's closure, and a relatively large number of responses would not automatically eliminate a station from consideration for closure.

According to the Coast Guard, the impetus for a change in the status of a shore unit generally comes from district offices or headquarters operational analyses and is the result of ongoing efforts to improve resource management or is triggered by a specific budget situation.

3. Has the Coast Guard applied its criteria on a uniform basis? For example, has the Coast Guard closed some stations that have performed a large number of SAR missions while allowing stations performing a relatively small number to remain open?

The Coast Guard stated that the ultimate decision to close a station was handled on a case-by-case basis and that, in each case, it involved a determination of whether appropriate SAR response capability could be provided through alternative means. Our review indicated that, for the 20 stations closed or otherwise changed in status since 1967, consideration was given in each case to the need to maintain SAR coverage through alternative means.

The Coast Guard indicated also that pertinent factors in the chain of events leading to a station's closure were its (a) SAR caseload, (b) manpower utilization, (c) operating cost, and (d) physical plant. Information in Coast Guard headquarters' files for the 20 stations does not include references to all of these factors in each case. According to the Coast Guard, the relative importance of the four factors can vary significantly, depending on the individual station under consideration. The files contain no reference to

--the SAR caseload in four cases,

--a more effective utilization of personnel in seven cases,

- a comparison of operating costs in six cases, and
- the condition of the physical plant in five cases.

Coast Guard officials informed us that all pertinent correspondence and reports bearing on station closure decisions should be in the headquarters' files. We therefore did not visit Coast Guard district offices to examine their files.

In addition, we reviewed headquarters' files for 19 active stations that were either (a) candidates for disestablishment in the Coast Guard's amended 1966 Shore Units Plan, (b) stations requiring major capital investment for replacement, relocation, renovation, or repair of facilities, or (c) stations that had histories of small SAR caseloads. We wanted to see whether, or to what extent, these stations had been considered for closing.

Of 25 stations identified in the amended 1966 Shore Units Plan as candidates for closure or termination of SAR functions, nine had been closed. We reviewed Coast Guard files for seven of the 16 active stations and found that it planned to continue five of the seven stations as active SAR stations in either their present facilities or in new facilities in the same general area. The status of the other two stations had not been determined.

The Coast Guard furnished us with a list of 55 stations requiring major capital investment for the replacement, relocation, renovation, or repair of facilities. We reviewed the files for eight of these stations and found that, although the possibility of closing two of them had been mentioned, neither of the two stations was scheduled for closure. No mention was made of any possibility of closing the six other stations.

We also reviewed Coast guard files on four active stations that had histories of small SAR caseloads. None of these stations were scheduled for closure even though the possibility of closing two of them had been mentioned.

As can be seen from a comparison of the SAR data in appendix II (closed stations) with that in appendix III (active stations), some of the closed stations had larger SAR caseloads than some of the active stations. As we have explained in item 2, SAR caseload is not necessarily the major determinant of closure actions.

Coast Guard officials informed us that they were developing a system which would enable them to scientifically select future station closings through operations research



techniques which would consider all factors bearing on the provision of SAR services.

4. Since 1967 how many SAR missions have been performed by each station? (Compute a total separately for each year.)

Appendix II lists the number of SAR missions performed each year since 1967 by the 20 stations that have been dis-established, relocated, or combined with other stations or have had their SAR functions terminated. Appendix III lists the number of SAR missions performed each year since 1967 by 152 active SAR stations. These listings include shore stations that use boats to carry out their primary mission of SAR and exclude other types of Coast Guard units, such as air stations, bases, depots, and larger boats.

5. After closing other stations, has the Coast Guard provided seasonal-type services similar to the type being provided in Racine? If so, what is the nature of these services?

Coast Guard files show that seasonal-type services are being provided in locations previously served by four SAR stations closed since 1967. A brief description of these services follows.

- Racine, Wisconsin--A Coast Guard detachment from the Kenosha, Wisconsin, station provides daily SAR service from 9 a.m. to 10 p.m. from about May 1 to September 30, depending on boating activity. The detachment includes a boat crew and a telephone watchstander, and the detachment's equipment includes a 30-foot utility boat and a 22-foot mobile trailer.
- Lewes, Delaware--Full-time SAR service is provided from about May 15 to September 15. A 40-foot utility boat and crew from the Indian River Inlet, Delaware, station are assigned to provide this service.
- Coquille River, Oregon--Full-time SAR service is provided from about May 1 to October 1, depending on boating activity. The Coos Bay, Oregon, station has assigned boat crews manning a 44-foot and a 36-foot motor lifeboat to provide this service.
- Bayfield, Wisconsin--Full-time SAR service is provided during the ice-free season--generally May 1 to December 20. The seasonal detachment consists of a crew using a 40-foot motor lifeboat assigned from the Duluth, Minnesota, station.

According to the Coast Guard, other types of SAR services being provided in locations previously served by stations that have been closed include increased and extended boat and helicopter patrols from nearby stations. Also, from about mid-May to mid-October, a helicopter is deployed from the Cape Cod, Massachusetts, air station to the Portsmouth Harbor station in New Hampshire during daylight hours on weekends and holidays to provide additional SAR coverage for that general area.

6. Does the Coast Guard perform a cost-effectiveness study before closing a station? If so, is the study objective? Are all pertinent factors considered?

For fiscal year 1969, the Coast Guard prepared a Shore Station SAR Cost-Benefit Listing (see app. IV), which showed three different kinds of cost data for shore stations: (a) the amount of property loss prevented and the ratio of SAR cost to property loss prevented, (b) the number of deaths prevented and the ratio of SAR cost to deaths prevented, (c) the average cost of a SAR response and the number of responses during the year. Also each shore station was assigned a ranking in each of these three categories.

The Coast Guard stressed that, although these performance indicators provide insight into the status of an individual station with respect to the entire SAR system, the station's relationship to its subsystem is more important when the Coast Guard is evaluating a possible closing.

Coast Guard officials informed us that they did not make a formal cost-effectiveness study when considering closing a station but did make informal computations to show the costs which could be avoided by closing the station and the benefits which could be derived from using alternative stations.

Correspondence in Coast Guard files for five of the 20 stations listed in item 1 referred to the stations' closures as being cost effective; however, the files contained no supporting documentation. Background material in the files for two additional stations referred to cost-benefit information contained in the Shore Station SAR Cost-Benefit Listing described above. Coast Guard files on the remaining 13 stations contained no reference to the stations' cost effectiveness.

7. Since 1967 how many times have the helicopters from the Coast Guard's air station at Glenview, Illinois, performed SAR missions? How often have these flights been unable to perform their mission because of bad weather or for other reasons--for example, mechanical trouble?

The Coast Guard's air station at Glenview began operations in March 1969. Through June 14, 1972, the air station performed 339 SAR missions and aborted 30 missions. Details follow.

Period	Number of missions		Reason for aborting mission			
	<u>Per- formed</u>	<u>Aborted</u>	<u>Weather</u>	<u>Other assist- ance on scene</u>	<u>Assist- ance not needed</u>	<u>False alarm</u>
March to June 1969	40	12	1	7	1	3
Fiscal year 1970	114	3	1	1	1	-
Fiscal year 1971	87	9	4	2	2	1
Fiscal year 1972	<u>98</u>	<u>6</u>	<u>2</u>	<u>3</u>	<u>1</u>	<u>-</u>
	<u>339</u>	<u>30</u>	<u>8</u>	<u>13</u>	<u>5</u>	<u>4</u>

8. How frequently are the helicopters at Glenview inoperable because of repairs?

Time summaries showing the number of hours each aircraft was in maintenance were not prepared at Glenview prior to August 1971. Also copies of teletype messages reporting each aircraft's operational status to the Coast Guard district office in Cleveland, Ohio, were not maintained at the air station prior to May 1971. Information showing nonoperational time for the two aircraft currently assigned was available at the air station only for the period May 1971 to June 14, 1972. This information follows.

Period	Helicopter 1364			Helicopter 1462		
	Number of times downed	Number of hours downed	Percent of time downed	Number of times downed	Number of hours downed	Percent of time downed
<u>1971</u>						
May	1	23	3	2	74	10
June	-	-	-	3	17	2
July	1	176	24	-	-	-
August	1	2	-	1	200	27
September	2	104	14	-	-	-
October	1	2	-	2	128	17
November	1	245	34	2	24	3
December	6	347	47	2	16	2
<u>1972</u>						
January	-	-	-	1	160	22
February	1	168	25	-	-	-
March	1	2	-	1	143	19
April	3	91	13	1	104	14
May	1	2	-	1	88	12
June 1 to 14	-	-	-	1	60	18
	<u>19</u>	<u>1,162</u>		<u>17</u>	<u>1,014</u>	

9. Have there been any times when both helicopters at Glenview have been inoperable?

From May 1971 to June 14, 1972, the two helicopters assigned to Glenview were inoperable at the same time on five occasions for a total of 30 hours. During one of these periods, a helicopter from the Coast Guard's Detroit air station was temporarily assigned to Glenview and provided SAR coverage for about 5 hours. The specific dates when both helicopters were nonoperational are shown below.

Hours both Glenview aircraft  
were nonoperational

1971

October 20	2
November 22-23 (note a)	22
November 30	2
December 6	2

1972

March 17	<u>2</u>
Total	<u>30</u>

<sup>a</sup>Helicopter 1445 from the Detroit air station provided SAR coverage for about 5 hours on November 23, 1971.

10. What is the yearly cost for operating and maintaining the helicopters at Glenview?

The Coast Guard considers that all costs incurred by the air station at Glenview result from the operation and maintenance of the two helicopters. The following cost information was provided by the Coast Guard district office in Cleveland.

<u>Period</u>	<u>Cost</u>
March to June 1969	\$172,395
Fiscal year 1970	458,424
Fiscal year 1971	481,354
July 1971 to March 1972	368,012

11. At what locations does the Coast Guard provide seasonal SAR operations on a 24-hour basis?  
What is the nature of these operations?

The Coast Guard currently provides seasonal 24-hour surface SAR coverage at the 11 locations listed below. The dates of operation of these services may vary slightly from year to year, depending on weather conditions or other seasonal variations. The actual times of operation are determined by the appropriate district commanders.

--Roosevelt Inlet, Delaware

Parent activity--Station Indian River Inlet, Delaware

SAR equipment--40-foot utility boat  
Personnel--three enlisted men  
Dates of operation--May 15 to September 15

--Fortescue, New Jersey

Parent activity--Station Cape May, New Jersey  
SAR equipment--40-foot utility boat  
Personnel--three enlisted men  
Dates of operation--May 15 to September 15

--Beaver Island, Michigan

Parent activity--Station Charlevoix, Michigan  
SAR equipment--40-foot utility boat  
Personnel--six enlisted men  
Dates of operation--May 15 to September 15

--Bayfield, Wisconsin

Parent activity--Station Duluth, Minnesota  
SAR equipment--40-foot utility boat  
Personnel--six enlisted men  
Dates of operation--May 1 to December 20

--Green Bay, Wisconsin

Parent activity--Station Sturgeon Bay Canal, Wisconsin  
SAR equipment--30-foot utility boat  
Personnel--six enlisted men  
Dates of operation--June 1 to December 1

--Put-In-Bay, Ohio

Parent activity--Station Marblehead, Ohio  
SAR equipment--40-foot utility boat  
Personnel--five enlisted men  
Dates of operation--June 1 to September 15

--Klamath River Patrol, Klamath, California

Parent activity--Station Humboldt Bay, California  
SAR equipment--25-foot motor surfboat and 16-foot skiff  
Personnel--six enlisted men  
Dates of operation--July 1 to September 15

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--Rogue River Patrol, Gold Beach, Oregon

Parent activity--Station Chetco River, Brookings, Oregon

SAR equipment--44-foot motor lifeboat and 25-foot motor surfboat

Personnel--seven enlisted men

Dates of operation--May 1 to October 1

--Coquille River Patrol, Bandon, Oregon

Parent activity--Station Coos Bay, Oregon

SAR equipment--44-foot and 36-foot motor lifeboats

Personnel--eight enlisted men

Dates of operation--May 1 to October 1

--Siletz River Patrol, Gleneden, Oregon

Parent activity--Station Depoe Bay, Oregon

SAR equipment--26-foot motor rescue boat

Personnel--two enlisted men

Dates of operation--May 15 to September 15 (only upon call from local marina)

--Nehalem River Patrol, Nehalem, Oregon

Parent activity--Station Tillamook Bay, Oregon

SAR equipment--36-foot motor lifeboat and 22-foot motor rescue boat

Personnel--six enlisted men

Dates of operation--May 1 to October 1

12. How many SAR missions have the seasonal detachment and other stations recorded in the Racine area since the Racine station was closed? What is the nature of these missions?

A seasonal detachment began operating at Racine on July 1, 1971. From that time to October 4, 1971, the detachment was assigned a 30-foot utility boat and a skiff and provided SAR services on a full-time (24-hour) basis. On May 6, 1972, the Racine detachment began operating daily between 9 a.m. and 10 p.m.

From July 1971 to June 1972, the Coast Guard responded to 76 SAR cases in the Racine area. The number of cases, the nature of the reported distress, and the units responding follow.

<u>Distress</u>	<u>Operating season</u>		<u>Off-season--</u>	<u>Total</u>
	<u>Racine</u> <u>responded</u>	<u>Milwaukee</u> <u>or Kenosha</u> <u>responded</u>	<u>Milwaukee</u> <u>or Kenosha</u> <u>responded</u>	
Disabled, adrift	20	2	2	24
Disabled, anchored	4	-	-	4
Overdue or missing	12	2	2	16
Capsized	12	1	-	13
Aground	4	-	1	5
Flooding, sinking	1	1	2	4
Persons in water	4	-	-	4
Other	<u>2</u>	<u>2</u>	<u>2</u>	<u>6</u>
Total	<u>59</u>	<u>8</u>	<u>9</u>	<u>76</u>

Aircraft from the Coast Guard air station at Glenview also responded in eight of the 76 cases above. Of the eight SAR cases that the Milwaukee or Kenosha stations responded to during the Racine detachment's operating season, only the two cases classified as "other" occurred outside the operating hours of the detachment.

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LES ASPIN  
1ST DISTRICT, WISCONSIN

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210 DODGE STREET  
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ARMED SERVICES COMMITTEE  
SUBCOMMITTEE-  
ARMED SERVICES SUBCOMMITTEE #4

WASHINGTON OFFICE  
515 CANNON HOUSE OFFICE  
BUILDING  
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Congress of the United States  
House of Representatives  
Washington, D.C. 20515

May 17, 1972

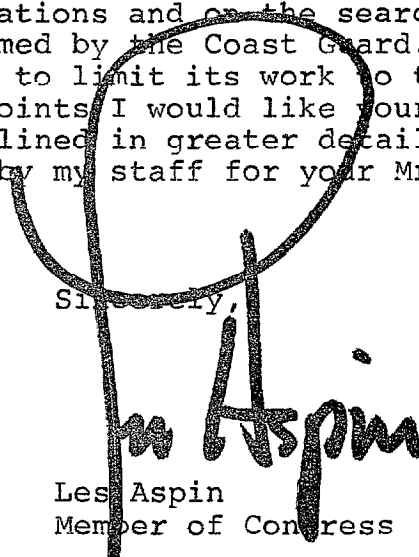
The Honorable Elmer B. Staats  
Comptroller General of the United States  
U.S. General Accounting Office  
441 G Street, N.W.  
Washington, D.C. 20548

Dear Mr. Staats:

In my letter of May 11, 1972, I requested your Office to undertake a comprehensive review of the operations of the Coast Guard. Also I indicated that a member of my staff would get in touch with your representatives to discuss the specific aspects and scope of the work I would like your Office to perform.

As discussed with your representatives during a meeting on May 17, I am basically interested in having your Office obtain information on the closure of Coast Guard Stations and on the search and rescue missions performed by the Coast Guard. I would like your Office to limit its work to these areas. The specific points I would like your Office to review are outlined in greater detail in a memorandum prepared by my staff for your Mr. Kelley.

Sincerely,

  
Les Aspin  
Member of Congress

LA:sg

## APPENDIX II

SAR CASELOAD OF SHORE STATIONS THAT HAVE  
BEEN DISESTABLISHED, RELOCATED, OR COMBINED WITH  
OTHER STATIONS OR HAVE HAD THEIR SAR FUNCTIONS TERMINATED

FISCAL YEARS 1967 TO 1971

Station	Number of SAR cases by fiscal year				
	1967 (note a)	1968 (note a)	1969	1970	1971
Assateague, Va.	-	-	-	-	-
Point Adams, Oreg.	150	-	-	-	-
Lewes, Del.	99	60	-	-	-
Point Reyes, Calif.	29	26	8	-	-
Chicago, Ill.	232	242	55	-	-
Virginia Beach, Va.	12	34	32	-	-
Hampton Beach, N.H.	54	63	79	49	-
Everett, Wash.	-	-	132	231	86
Coquille River, Oreg.	123	56	52	57	95
Racine, Wis.	38	32	41	30	82
Fletchers Neck, Maine	37	37	30	38	46
Kennebec River, Maine	35	32	46	33	33
Wake Island	48	-	-	-	-
New Orleans, La.	43	110	23	-	-
Mackinac Island, Mich.	50	56	38	-	-
Bayfield, Wis.	11	24	41	32	-
Tilghman Island, Md.	123	120	190	216	-
Quoddy Head, Maine	20	24	12	23	-
Port Canaveral, Fla.	84	142	129	150	-
Fort Point, Calif.	623	619	655	712	188

<sup>a</sup>No cases reported.

## SAR CASELOAD OF ACTIVE SHORE STATIONS

FISCAL YEARS 1967 TO 1972

Station	Number of SAR cases by fiscal year						Total
	1967	1968	1969	1970	1971	1972 (note a)	
1st District:							
Block Island, R.I.	99	66	87	88	136	104	580
Boston, Mass.	184	364	324	319	291	261	1,743
Brant Point, Mass.	48	63	133	162	144	126	676
Cape Cod Canal, Mass.	138	154	180	209	249	216	1,146
Castle Hill, R.I.	241	301	237	301	372	323	1,775
Chatham, Mass.	113	154	131	128	179	146	851
Gay Head, Mass.	88	91	131	153	164	141	768
Gloucester, Mass.	217	366	396	313	296	223	1,811
Jonesport, Maine	56	85	78	72	142	119	552
Merrimac River, Mass.	104	174	144	150	168	150	890
Point Allerton, Mass.	742	836	620	567	635	509	3,909
Point Judith, R.I.	90	139	136	178	189	171	903
Portsmouth Harbor, N.H.	64	70	101	102	164	112	613
Race Point, Mass.	125	136	122	159	176	161	879
Scituate, Mass.	385	349	214	200	249	261	1,658
Boothbay Harbor, Maine	88	114	121	134	171	135	763
Rockland, Maine	67	105	101	95	147	84	599
2d District:							
Louisville, Ky.	73	76	57	27	29	20	282
3d District:							
New Haven, Conn.	-	-	-	-	82	230	312
Atlantic Beach, N.Y.	311	302	239	258	250	116	1,476
Fort Totten, N.Y.	-	-	3	177	193	148	521
Atlantic City, N.J.	261	293	290	335	346	290	1,815
Barneгат, N.J.	593	410	505	516	539	350	2,913
Beach Haven, N.J.	350	292	360	336	308	228	1,874
Eatons Neck, N.Y.	584	591	637	603	707	505	3,627
Fire Island, N.Y.	453	447	460	504	577	450	2,891
Fishers Island, N.Y.	288	331	374	320	312	190	1,815
Indian River Inlet, Del.	132	167	260	352	303	193	1,407
Manasquan Inlet, N.J.	388	350	429	357	459	304	2,287
Montauk, N.Y.	222	261	255	214	286	185	1,423
Moriches, N.Y.	120	187	159	163	195	181	1,005
New York, N.Y.	582	352	279	273	317	193	1,996
Great Egg, N.J.	331	364	428	434	332	241	2,130
Rockaway, N.Y.	644	476	569	728	609	321	3,347
Sandy Hook, N.J.	623	596	698	622	606	305	3,450
Shark River, N.J.	205	228	289	242	288	191	1,443
Shinnecock, N.Y.	196	204	189	173	242	229	1,233
Short Beach, N.Y.	632	636	590	560	452	249	3,119
Townsend Inlet, N.J.	173	291	227	292	234	139	1,356
Cape May, N.J.	491	536	610	669	830	553	3,689
New London, Conn.	272	238	241	285	369	219	1,624
5th District:							
Baltimore, Md.	291	272	350	624	265	141	1,943
Cape Hatteras, N.C.	13	10	4	39	51	34	151
Cape Lookout, N.C.	62	104	110	89	109	94	568
Chincoteague, Va.	54	57	64	95	125	119	514

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APPENDIX III

		Number of SAR cases by fiscal year						
Station		1967	1968	1969	1970	1971	1972 (note a)	Total
	Hatteras Inlet, N.C.	78	92	95	117	148	85	615
	Hobucken, N.C.	46	98	86	89	121	80	520
	Little Creek, Va.	306	434	408	443	624	376	2,591
	Milford Haven, Va.	-	78	97	121	175	114	585
	Oak Island, N.C.	72	70	82	276	277	99	876
	Norfolk, Va.	262	213	196	94	111	213	1,089
	Ocean City, Md.	60	91	121	158	186	132	748
	Ocracoke, N.C.	117	71	107	82	95	55	527
	Oregon Inlet, N.C.	162	134	189	180	163	139	967
	Parramore Beach, Va.	53	75	87	75	81	81	452
	Piney Point, Md.	93	61	91	106	130	101	582
	Annapolis, Md.	337	306	524	526	527	425	2,645
	Swansboro, N.C.	78	96	128	77	97	111	587
	Stillpond, Md.	-	-	-	116	155	77	348
	Dahlgren, Va.	50	54	47	85	65	44	345
	Taylor's Island, Md.	-	-	-	-	128	67	195
	Wrightsville Beach, N.C.	93	124	166	180	202	166	931
	Cape Charles, Va.	-	-	-	-	-	19	19
7th	District:							
	Fort Myers Beach, Fla.	80	131	177	181	159	194	922
	Fort Pierce, Fla.	127	223	251	185	192	236	1,214
	Islamorada, Fla.	221	214	224	291	283	254	1,487
	Lake Worth Inlet, Fla.	257	378	351	478	408	322	2,194
	Marathon, Fla.	193	180	214	253	264	232	1,336
	Fort Lauderdale, Fla.	-	113	330	498	578	479	1,998
	Ponce de Leon Inlet, Fla.	97	106	85	88	114	125	615
	St. Simon Island, Ga.	82	76	106	118	146	128	656
	Sullivan's Island, S.C.	47	23	52	51	31	26	230
	Tybee, Ga.	-	-	-	-	-	16	16
8th	District:							
	Freeport, Tex.	148	197	193	181	206	217	1,142
	Grand Isle, La.	75	95	109	144	145	156	724
	Houston, Tex.	35	58	31	21	22	19	186
	Port Aransas, Tex.	131	103	202	231	219	289	1,175
	Port Isabel, Tex.	132	121	180	146	155	174	908
	Port O'Connor, Tex.	152	145	174	197	201	188	1,057
	Sabine, Tex.	172	192	162	158	107	155	946
	Santa Rosa, Fla.	155	180	139	122	208	202	1,006
	Panama City, Fla.	164	166	197	205	269	138	1,139
	Pascagoula, Miss.	109	132	97	89	147	137	711
	New Canal, La.	226	254	289	308	260	268	1,605
9th	District:							
	Ashtabula, Ohio	59	55	43	77	106	71	411
	Belle Isle, Mich.	401	435	287	283	250	158	1,814
	Calumet Harbor, Ill.	86	160	65	63	65	63	502
	Charlevoix, Mich.	56	42	79	62	84	71	394
	Cleveland Harbor, Ohio	139	164	176	202	306	186	1,173
	Duluth, Minn.	51	42	47	43	81	56	320
	Erie, Pa.	78	56	110	133	150	134	661
	Fairport, Ohio	82	82	66	78	89	90	487
	Frankfort, Mich.	15	48	96	30	35	24	248
	Galloo Island, N.Y.	35	64	82	79	70	50	380
	Grand Haven, Mich.	82	100	113	78	100	107	580
	Grand Marais, Mich.	7	6	14	15	13	14	69
	Harbor Beach, Mich.	18	27	36	29	26	23	159
	Kenosha, Wis.	29	50	41	42	65	99	326

Station	Number of SAR cases by fiscal year						Total
	1967	1968	1969	1970	1971	1972 (note a)	
Lorain, Ohio	79	86	81	122	117	58	543
Ludington, Mich.	29	62	84	58	56	69	358
Marblehead, Ohio	369	509	306	270	234	192	1,880
Marquette, Mich.	11	11	9	16	16	22	85
Michigan City, Ind.	70	99	76	87	85	65	482
Milwaukee, Wis.	71	85	88	88	130	110	572
Muskegon, Mich.	93	93	116	133	127	106	668
Niagara, N.Y.	39	29	59	53	39	39	258
North Superior, Minn.	15	14	4	12	3	4	52
Oswego, N.Y.	30	52	47	73	75	43	320
Plum Island, Wis.	19	17	19	13	12	24	104
Portage, Mich.	15	27	15	13	24	11	105
Port Huron, Mich.	43	60	59	63	49	61	335
Rochester, N.Y.	87	103	102	64	125	67	548
St. Joseph, Mich.	49	52	46	63	41	57	308
Sheboygan, Wis.	23	46	61	64	66	101	361
South Haven, Mich.	44	47	34	28	50	52	255
St. Ignace, Mich.	-	-	27	53	51	48	179
Sturgeon Bay Canal, Wis.	30	57	58	48	87	52	332
Tawas, Mich.	30	25	64	54	41	31	245
Two Rivers, Wis.	18	33	39	44	50	36	220
Wilmette Harbor, Ill.	90	104	77	76	103	73	523
Alexandria Bay, N.Y.	23	45	50	63	24	25	230
Holland, Mich.	90	119	139	87	140	115	690
Manistee, Mich.	16	86	120	29	37	58	346
St. Clair Shores, Mich.	154	203	181	223	260	216	1,237
Toledo, Ohio	144	112	110	115	162	139	782
St. Clair Flats, Mich.	181	205	249	221	204	156	1,216
Sandusky Bay, Ohio	144	179	202	190	183	168	1,066
Sodus Point, N.Y.	58	71	33	40	34	59	295
Munising, Mich.	4	17	20	12	12	12	77
Saginaw River, Mich.	51	82	107	108	99	102	549
11th District:							
Long Beach, Calif.	677	556	410	346	454	430	2,873
Point Hueneme, Calif.	92	129	133	177	167	111	809
12th District:							
Bodega Bay, Calif.	115	106	106	109	127	120	683
Humboldt Bay, Calif.	193	147	127	182	198	141	988
Monterey, Calif.	135	150	193	176	228	219	1,101
Lake Tahoe, Calif.	81	61	45	101	108	101	497
Rio Vista, Calif.	228	271	198	231	302	398	1,628
13th District:							
Cape Disappointment, Wash.	463	681	710	682	672	604	3,812
Coos Bay, Oreg.	228	250	196	272	443	326	1,715
Grays Harbor, Wash.	347	505	556	728	711	528	3,375
Neah Bay, Wash.	130	181	147	122	221	243	1,044
Quillayute River, Wash.	190	197	141	178	275	164	1,145
Tillamook Bay, Oreg.	161	115	138	161	207	192	974
Umpqua River, Oreg.	134	180	263	361	267	118	1,323
Willapa Bay, Wash.	68	101	132	121	126	100	648
Yaquina Bay, Oreg.	238	230	292	305	411	328	1,804
Seattle, Wash.	401	368	440	461	547	469	2,686

APPENDIX III

<u>Station</u>	<u>Number of SAR cases by fiscal year</u>						<u>Total</u>
	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u> <u>(note a)</u>	
Depoe Bay, Oreg.	101	128	158	143	191	186	907
Chetco River, Oreg.	91	134	191	306	500	358	1,580
Siuslaw River, Oreg.	48	51	73	110	97	82	461
Kennewick, Wash.	18	8	19	32	27	31	135
14th District:							
Pago Pago, American Samoa	-	-	12	34	36	38	120

<sup>a</sup>As of June 23, 1972.

The following abbreviations are used in this appendix.

TOTAL STA COST	total station cost
PPTY LOSS PREVENTED	property loss prevented
COST/PPTY	ratio of SAR cost to property loss prevented
PPTY RANK	property loss prevented ranking
DEATHS PRVNTD	deaths prevented
COST/D.P.	ratio of SAR cost to deaths prevented
DP RANK	deaths prevented ranking
RESPONSES	number of SAR responses
COST/RES	cost per SAR response
RES RANK	SAR response ranking

BEST DOCUMENT AVAILABLE

SHORE STATION SAR COST-BENEFIT LISTING FISCAL YEAR 1969

UNIT NAME	BILLETS TOTAL	SAR SAR	PERCENT PERCENT	TOTAL STA COST	SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY DEATHS RANK	DEATHS PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
BLOCK ISLAND STATION	15	11	73.33	\$76,786	\$56,307	\$36,825	1.53		66	0.00	\$9999,999	162	87	647	86
BOSTON STATION	93	0	0.00	\$277,150	\$ 0	\$424,400	0.00		0	8.66	\$ 0	0	324	0	0
BRANT POINT STATION	16	13	81.25	\$106,247	\$86,326	\$34,490	2.50		95	6.94	\$12,439	50	133	649	87
CAPE GOD CANAL STATI	19	15	78.95	\$113,018	\$89,228	\$49,470	1.80		78	0.23	\$387,948	150	180	496	61
CASTLE HILL STATION	26	20	76.92	\$169,802	\$130,612	\$77,691	1.68		72	10.68	\$12,230	49	237	551	67
CHATHAM STATION	21	14	66.67	\$163,443	\$108,968	\$37,946	2.87		104	0.58	\$187,876	143	131	832	117
FLETCHERS NECK STATI	14	11	78.57	\$45,864	\$36,035	\$ 1,620	22.24		159	0.20	\$180,175	140	30	1,201	143
GAY HEAD STATION	16	13	81.25	\$91,226	\$74,122	\$222,000	0.33		21	8.91	\$ 8,319	30	131	566	72
GLOUCESTER STATION	25	20	80.00	\$160,736	\$128,589	\$402,966	0.32		20	1.13	\$113,796	134	396	325	39
HAMPTON BEACH STATIO	13	10	76.92	\$38,306	\$29,466	\$ 9,823	3.00		109	4.29	\$ 6,869	23	79	373	47
JONESPORT STATION	16	13	81.25	\$81,687	\$66,371	\$38,370	1.73		77	0.00	\$9999,999	162	78	851	120
KENNEBEC RIVER STATI	14	9	64.29	\$80,912	\$52,019	\$ 4,800	10.84		149	0.23	\$226,170	145	46	1,131	137
MERRIMAC RIVER STATI	16	13	81.25	\$128,502	\$104,408	\$13,593	7.68		145	9.45	\$11,048	42	144	725	103
POINT ALLERTON STATI	25	20	80.00	\$202,886	\$162,309	\$934,338	0.17		13	28.56	\$ 5,683	19	620	262	26
POINT JUDITH STATION	17	12	70.59	\$122,727	\$86,634	\$17,993	4.81		125	1.10	\$78,758	128	136	637	84
PORTSMOUTH HBR STATI	27	14	51.85	\$239,773	\$124,323	\$22,655	5.49		134	3.20	\$38,851	109	101	1,231	144
GUDDY HEAD STATION	15	11	73.33	\$86,879	\$63,709	\$ 3,710	17.17		155	0.08	\$796,363	155	12	5,309	172
RACE POINT STATION	20	15	75.00	\$113,398	\$85,049	\$91,785	0.93		47	2.50	\$34,020	104	122	697	97
SCITUATE STATION	16	13	81.25	\$161,837	\$131,493	\$47,911	2.74		101	5.28	\$24,904	91	214	614	80
BOOTHBAY HBR STATIO	17	15	88.24	\$109,988	\$97,054	\$81,855	1.19		55	6.86	\$14,148	59	121	802	111
ROCKLAND STATION	26	20	76.92	\$178,743	\$137,489	\$223,610	0.61		32	0.00	\$9999,999	162	101	1,361	147
BOSTON BASE	94	0	0.00	\$458,326	\$ 0	\$350,000	0.00		0	0.00	\$ 0	0	4	0	0
BASE SOUTH PORTLAND	33	14	42.42	\$409,264	\$173,610	\$ 8,080	21.49		157	0.95	\$182,747	141	113	1,536	151
BASE WOODS HOLE MASS	23	11	47.83	\$337,079	\$161,225	\$720,821	0.22		16	4.45	\$36,230	108	194	831	116

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UNDT NAME	BILLETS TOTAL SAR	SAR PERCENT	TOTAL STA COST	SAR COST	PTY LOSS PREVENTED	COST/ PTY	AVG	PTY DEATHS RANK PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
SOUTHWEST HARBOR BAS	24 13	54.17	\$346,612	\$187,760	\$ 6,118	30.69		164 1.00	\$187,760	142	73	2,572	167
BOSTON RADIO STATION	37 37	100.00	\$268,288	\$268,289	\$ 0	999.99		172 0.00	\$9999,999	162	0	99,999	178
BUTLER FLATS LTSTA	4 0	0.00	\$28,406	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
ROSE ISLAND LTSTA	4 0	0.00	\$20,100	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
WHITEHEAD LTSTA	3 0	0.00	\$17,894	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
1ST CG DISTRICT OFFI	0 0	0.00	\$ 0	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	23	0	0
LOUISVILLE STATION	15 15	100.00	\$77,033	\$77,034	\$25,210	3.06		111 8.04	\$ 9,581	35	57	1,351	146
ST LOUIS BASE	41 1	2.44	\$577,204	\$14,084	\$229,174	0.06		4 6.00	\$ 2,347	7	64	220	18
DUBUQUE DEPOT	4 0	0.00	\$26,795	\$ 0	\$ 0	0.00		0 2.00	\$ 0	0	3	0	0
MEMPHIS DEPOT	7 0	0.00	\$101,972	\$ 0	\$513,500	0.00		0 0.00	\$ 0	0	6	0	0
EAST PEORIA DEPOT	5 0	0.00	\$23,403	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
OWENSBORO DEPOT	4 0	0.00	\$29,071	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	3	0	0
PARIS DEPOT	6 0	0.00	\$43,647	\$ 0	\$ 2,000	0.00		0 0.00	\$ 0	0	12	0	0
POINT PLEASANT DEPOT	5 0	0.00	\$33,385	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	3	0	0
SEWICKNEY DEPOT	5 0	0.00	\$25,025	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
SHEFFIELD DEPOT	4 0	0.00	\$30,462	\$ 0	\$ 360	0.00		0 0.00	\$ 0	0	1	0	0
PADUCAH MIO	5 0	0.00	\$58,386	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
CINCINNATI MIO	7 0	0.00	\$95,886	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
MIO HUNTINGTON W VA	17 0	0.00	\$95,370	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
MEMPHIS MIO	14 0	0.00	\$127,632	\$ 0	\$500,000	0.00		0 0.00	\$ 0	0	7	0	0
ST LOUIS MIO	17 0	0.00	\$137,095	\$ 0	\$207,100	0.00		0 0.00	\$ 0	0	6	0	0
ALTON MOBILE BD DET	3 0	0.00	\$30,036	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
ST PAUL MOBILE BD DE	3 0	0.00	\$31,597	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
CHIO RIVER GROUP OFF	6 0	0.00	\$43,032	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
MISSOURI RIVER GROUP	2 0	0.00	\$32,110	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0

UNIT NAME	BILLETS TOTAL	SAR SAR	PERCENT	TOTAL STA COST	SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY DEATHS RANK	PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
ATLANTIC BEACH STATION	16	16	100.00	\$81,651	\$81,652	\$62,286	1.31		57	0.00	\$9999,999	162	239	342	43
FORT TOTTEN STATION	10	6	60.00	\$ 803	\$ 482	\$ 0	999.99		172	0.00	\$9999,999	162	3	161	7
ATLANTIC CITY STATION	21	19	90.48	\$162,807	\$147,309	\$60,478	2.44		93	4.36	\$33,786	103	290	508	63
BARNEGAT STATION	35	26	74.29	\$159,776	\$118,698	\$72,603	1.63		69	9.85	\$12,051	48	505	235	20
BEACH HAVEN STATION	23	23	100.00	\$113,480	\$113,480	\$57,585	1.97		82	7.90	\$14,365	60	360	315	38
EATONS NECK STATION	37	27	72.97	\$307,929	\$224,696	\$91,533	2.45		94	6.44	\$34,891	107	637	353	45
FIRE ISLAND STATION	42	23	54.76	\$163,577	\$89,575	\$34,651	2.59		98	6.48	\$13,823	54	460	195	12
FISHERS ISLAND STATION	14	8	57.14	\$79,423	\$45,382	\$61,135	0.74		38	2.98	\$15,229	65	374	121	4
INDIAN RIV INL STATION	24	20	83.33	\$266,390	\$221,983	\$45,192	4.91		127	4.55	\$48,787	119	260	854	121
MANASQUAN INL STATION	23	23	100.00	\$129,315	\$129,316	\$92,867	1.39		60	0.15	\$862,107	156	429	301	34
MONTAUK STATION	19	19	100.00	\$110,063	\$110,064	\$69,801	1.58		67	3.80	\$28,964	97	255	432	54
MORICHES STATION	16	16	100.00	\$90,678	\$90,679	\$ 4,015	22.59		160	13.33	\$ 6,959	25	159	570	73
NEW YORK STATION	162	10	6.17	\$533,676	\$32,928	\$2,802,795	0.01		1	9.54	\$ 3,452	9	279	118	3
GREAT EGG STATION	16	16	100.00	\$78,185	\$78,186	\$ 2,800	27.92		163	6.00	\$13,031	52	428	183	10
ROCKAWAY STATION	27	23	85.19	\$188,269	\$160,387	\$180,303	0.89		46	29.84	\$ 5,375	17	569	282	29
SANDY HOOK STATION	53	34	64.15	\$341,470	\$219,053	\$86,631	2.53		97	6.60	\$33,190	101	698	314	37
SHARK RIVER STATION	17	16	94.12	\$83,662	\$78,743	\$14,681	5.36		131	4.00	\$19,686	79	289	272	28
SHINNECOCK STATION	22	17	77.27	\$172,409	\$133,221	\$11,348	11.74		150	2.83	\$47,075	116	189	705	99
SHORT BEACH STATION	26	24	92.31	\$126,529	\$116,800	\$19,893	5.87		140	6.88	\$16,977	74	590	198	14
TOWNSEND INLET STATION	17	17	100.00	\$96,236	\$96,236	\$36,911	2.61		100	16.00	\$ 6,015	20	227	424	53
CAPE MAY STATION	38	26	68.42	\$264,040	\$180,656	\$361,089	0.50		27	9.09	\$19,874	80	610	296	33
NEW LONDON STATION	40	18	45.00	\$402,981	\$181,342	\$108,376	1.67		71	7.35	\$24,672	90	241	752	105
GLOUCESTER CITY BASE	123	8	6.50	\$743,470	\$48,326	\$736,371	0.07		6	3.45	\$14,008	57	260	186	11
ARGENTIA RADIO STATION	20	1	5.00	\$113,725	\$ 5,686	\$ 0	999.99		172	0.00	\$9999,999	162	0	99,999	178
NEW LONDON GROUP OFF	13	0	0.00	\$130,333	\$ 0	\$ 0	0.00		0	2.00	\$ 0	0	48	0	0

UNIT NAME	BILLETS		SAR PERCENT	TOTAL STA		PPTY LOSS PREVENTED	COST/ PPTY	PPTY DEATHS PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES		
	TOTAL	SAR		COST	SAR COST							AVG	RES	RANK
SANDY HOOK GRP OFFIC	10	0	0.00	\$95,262	\$ 0	\$ 0	0.00	0	1.00	\$ 0	0	139	0	0
SHINNECOCK GRP OFFIC	12	0	0.00	\$109,839	\$ 0	\$ 0	0.00	0	0.00	\$ 0	0	2	0	0
ROCKAWAY GROUP OFF	18	0	0.00	\$144,994	\$ 0	\$ 0	0.00	0	0.00	\$ 0	0	64	0	0
EXECUTION ROCKS LTST	5	0	0.00	\$35,799	\$ 0	\$17,500	0.00	0	0.00	\$ 0	0	1	0	0
BURLINGTON LASTA	5	0	0.00	\$59,099	\$ 0	\$16,225	0.00	0	7.58	\$ 0	0	109	0	0
SAUGERTIES LASTA	6	0	0.00	\$39,781	\$ 0	\$ 1,125	0.00	0	4.00	\$ 0	0	3	0	0
MANASQUAN ESMT	18	0	0.00	\$161,813	\$ 0	\$ 0	0.00	0	0.00	\$ 0	0	2	0	0
3RD CG DISTRICT OFFI	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00	0	0.00	\$ 0	0	1	0	0
BALTIMORE STATION	83	10	12.05	\$831,829	\$100,236	\$656,985	0.15	11	7.23	\$13,864	55	350	286	31
CAPE HATTERAS STATIO	23	11	47.83	\$212,788	\$101,777	\$ 0	999.99	172	0.00	\$9999,999	162	4	25,444	176
CAPE LOOKOUT STATION	18	13	72.22	\$99,013	\$71,507	\$ 7,530	9.50	148	1.25	\$57,206	124	110	650	88
OHINCOTEAGUE STATION	40	22	55.00	\$286,247	\$157,436	\$46,633	3.38	114	0.18	\$874,644	157	64	2,460	166
HATTERAS INLET STATI	19	14	73.68	\$103,459	\$76,229	\$13,850	5.50	135	0.25	\$304,916	147	95	802	111
HOBUCKEN STATION	15	9	60.00	\$97,577	\$58,547	\$24,920	2.35	91	0.00	\$9999,999	162	86	681	91
LITTLE CREEK STATION	20	20	100.00	\$114,981	\$114,982	\$44,196	2.60	99	5.31	\$21,654	83	408	282	29
MILFORD HAVEN STATIO	20	10	50.00	\$148,588	\$74,294	\$34,820	2.13	84	0.00	\$9999,999	162	97	766	107
CAK ISLAND STATION	18	10	55.56	\$176,564	\$98,099	\$134,495	0.73	37	2.15	\$45,627	115	82	1,196	141
NORFOLK STATION	113	17	15.04	\$731,205	\$109,973	\$74,140	1.48	65	1.11	\$99,075	131	196	561	70
OCEAN CITY STATION	18	16	88.89	\$144,123	\$128,111	\$75,896	1.69	73	0.93	\$137,754	137	121	1,059	135
CCRACCKE STATION	18	16	88.89	\$116,569	\$103,618	\$188,200	0.55	28	0.05	\$2072,360	161	107	968	129
OREGON INLET STATION	19	14	73.68	\$115,329	\$84,975	\$89,021	0.95	49	7.62	\$11,152	43	189	450	56
PARRAMORE BCH STATIO	18	16	88.89	\$126,275	\$112,246	\$23,613	4.75	124	0.00	\$9999,999	162	87	1,290	145
PINEY POINT STATION	16	13	81.25	\$68,422	\$55,594	\$12,650	4.39	122	0.96	\$57,910	125	91	611	79
ANNAPOLIS STATION	10	10	100.00	\$69,465	\$69,466	\$87,423	0.79	42	9.93	\$ 6,996	26	524	133	5
SWANSBORO STATION	14	12	85.71	\$91,799	\$78,681	\$32,880	2.39	92	8.48	\$ 9,278	33	128	615	81

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UNIT NAME	BILLETS TOTAL	SAR SAR	PERCENT PERCENT	TOTAL STA COST	SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY DEATHS RANK	DEATHS PRVNTD	COST/ D.P.	DP RANK	RESP CNSES	COST/ RES	RES RANK
VIRGINIA BEACH STATI	0	0	0.00	\$ 0	\$ 0	\$13,757	0.00		0	5.59	\$ 0	0	32	0	0
DAHLGREN STATION	8	3	37.50	\$47,160	\$17,685	\$ 7,890	2.24		88	0.78	\$22,673	86	47	376	48
TILGHMAN ISL STATION	9	7	77.78	\$59,343	\$46,157	\$46,730	0.99		51	1.88	\$24,552	89	190	243	22
WRIGHTSVILLE BEACH S	14	9	64.29	\$55,210	\$35,495	\$42,218	0.84		44	2.82	\$12,587	51	166	214	17
FORT MACCN BASE	41	17	41.46	\$498,379	\$206,628	\$56,760	3.64		118	4.21	\$49,080	120	225	918	125
BALTIMORE GROUP OFFI	6	0	0.00	\$65,001	\$ 0	\$ 1,840	0.00		0	2.50	\$ 0	0	55	0	0
CCVE POINT LTSTA	3	0	0.00	\$18,021	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
SMITH POINT LTSTA	4	0	0.00	\$24,776	\$ 0	\$ 1,500	0.00		0	0.00	\$ 0	0	1	0	0
CHESAPEAKE CITY LAST	4	0	0.00	\$26,384	\$ 0	\$20,000	0.00		0	0.00	\$ 0	0	8	0	0
GOINJOCK LASTA	8	0	0.00	\$56,411	\$ 0	\$57,700	0.00		0	0.95	\$ 0	0	69	0	0
LASTA GRISFIELD MD	5	0	0.00	\$58,360	\$ 0	\$12,950	0.00		0	0.15	\$ 0	0	41	0	0
NANTICOKE RIVER LAST	4	0	0.00	\$24,784	\$ 0	\$28,005	0.00		0	0.00	\$ 0	0	3	0	0
5TH CG DISTRICT OFFI	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	9	0	0
FORT MYERS BEACH STA	10	10	100.00	\$81,075	\$81,076	\$122,680	0.66		34	7.05	\$11,500	45	177	458	58
FORT PIERCE STATION	18	16	88.89	\$155,930	\$138,607	\$703,448	0.20		15	1.15	\$120,528	135	251	552	68
ISLAMORADA STATION	14	4	28.57	\$87,985	\$25,138	\$21,740	1.16		54	1.00	\$25,138	92	224	112	2
JACKSONVILLE STATION	38	0	0.00	\$253,339	\$ 0	\$5,764,225	0.00		0	3.60	\$ 0	0	63	0	0
LAKE WORTH INLET STA	21	15	71.43	\$127,247	\$90,893	\$157,520	0.58		29	23.29	\$ 3,903	12	351	259	25
MARATHON STATION	16	6	37.50	\$106,217	\$39,832	\$27,440	1.45		63	1.41	\$28,250	95	244	163	8
FT LAUDERDALE STATID	16	16	100.00	\$81,479	\$81,479	\$1,135,559	0.07		6	1.03	\$79,106	129	330	247	23
PONCE DE LEON INL ST	29	23	79.31	\$164,353	\$130,349	\$35,945	3.63		117	3.80	\$34,302	106	85	1,534	150
PORT CANAVERAL STATI	19	11	57.89	\$129,537	\$74,989	\$80,631	0.93		47	0.70	\$107,127	132	129	581	74
ST SIMON ISL STATION	17	13	76.47	\$142,315	\$108,829	\$37,795	2.88		105	1.12	\$97,169	130	106	1,027	133
SULLIVANS ISL STATID	9	3	33.33	\$48,576	\$16,190	\$ 2,023	8.00		147	1.83	\$ 8,847	31	52	311	36
CHARLESTON BASE	51	10	19.61	\$632,274	\$123,989	\$125,275	0.99		51	3.00	\$41,330	111	231	537	65

UNIT NAME	BILLETS TOTAL SAR	SAR PERCENT	TOTAL STA COST	SAR COST	PTY LOSS PREVENTED	COST/ PTY	AVG	PTY DEATHS RANK PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
MIAMI BEACH BASE	71 17	23.94	\$1,119,880	\$268,099	\$2,179,464	0.02		2 16.75	\$16,006	68	911	294	32
SAN JUAN BASE	99 18	18.18	\$777,962	\$141,434	\$188,850	0.75		39 12.63	\$11,198	44	176	804	113
ST PETERSBURG BASE	23 0	0.00	\$300,017	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
MAY PORT BASE	42 15	35.71	\$393,200	\$140,412	\$2,203,105	0.06		4 8.60	\$16,327	70	146	962	123
KEY WEST BASE	37 5	13.51	\$342,702	\$46,299	\$77,335	0.60		31 0.97	\$47,731	117	342	135	6
TAMPA MID	23 0	0.00	\$239,647	\$ 0	\$ 3,660	0.00		0 2.00	\$ 0	0	19	0	0
SAVANNAH COTP	25 0	0.00	\$223,303	\$ 0	\$399,250	0.00		0 0.15	\$ 0	0	93	0	0
ST PETERSBURG GRP OF	1 0	0.00	\$24,211	\$ 0	\$ 0	0.00		0 28.00	\$ 0	0	326	0	0
PORT CANAVERAL GRP O	4 0	0.00	\$43,897	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	2	0	0
MIAMI BEACH GROUP OF	0 0	0.00	\$ 0	\$ 0	\$ 0	0.00		0 3.00	\$ 0	0	290	0	0
CAPE SAN JUAN LCRSTA	12 0	0.00	\$103,268	\$ 0	\$ 6,800	0.00		0 0.10	\$ 0	0	28	0	0
SAN SAUVADOR LORSTA	12 0	0.00	\$115,587	\$ 0	\$ 7,500	0.00		0 0.00	\$ 0	0	2	0	0
SOUTH CAICOS LORSTA	14 0	0.00	\$169,782	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	6	0	0
EGMONT KEY LTSTA	4 0	0.00	\$32,769	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
GEORGETOWN LTSTA	5 0	0.00	\$26,341	\$ 0	\$22,500	0.00		0 0.00	\$ 0	0	1	0	0
HAM BLUFF LTSTA	2 0	0.00	\$20,783	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	5	0	0
HILLSBORO INLET LTST	4 0	0.00	\$43,703	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
MONA ISLAND LTSTA	4 0	0.00	\$40,330	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	2	0	0
POINT BORINQUIN LTST	3 0	0.00	\$15,553	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	2	0	0
POINT TUNA LTSTA	3 0	0.00	\$29,650	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	9	0	0
TYBEE LTSTA	7 0	0.00	\$59,208	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	7	0	0
GEDAR KEYS LASTA	2 0	0.00	\$15,132	\$ 0	\$ 2,500	0.00		0 0.00	\$ 0	0	1	0	0
CHARLOTTE AMALIE LAS	3 0	0.00	\$37,942	\$ 0	\$ 5,365	0.00		0 13.13	\$ 0	0	19	0	0
PORT PONGE LASTA	3 0	0.00	\$25,479	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	17	0	0
7TH CG DISTRICT OFFI	0 0	0.00	\$ 0	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	228	0	0

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APPENDIX IV

BEST DOCUMENT AVAILABLE

UNIT NAME	BILLETS TOTAL	SAR SAR	PERCENT PERCENT	TOTAL STA COST	SAR COST	PTY LOSS PREVENTED	COST/ PTY	AVG	PTY DEATHS RANK	DP PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
GRETR ANTIULES SEC O	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
FREE PORT STATION	18	16	88.89	\$122,010	\$108,455	\$294,404	0.37		23	0.15	\$723,033	154	193	562	71
GRAND ISLE STATION	24	12	50.00	\$181,817	\$90,909	\$65,125	1.40		61	1.28	\$71,023	126	109	834	118
HOUSTON STATION	57	0	0.00	\$479,407	\$ 0	\$484,201	0.00		0	4.60	\$ 0	0	31	0	0
NEW ORLEANS STATION	0	0	0.00	\$ 0	\$ 0	\$ 3,000	0.00		0	0.15	\$ 0	0	23	0	0
PORT ARANSAS STATION	27	17	62.96	\$198,214	\$124,796	\$151,630	0.82		43	7.53	\$16,573	71	202	618	82
PORT ISABEL STATION	33	16	48.48	\$265,621	\$128,773	\$216,625	0.59		30	5.30	\$24,297	88	180	715	102
PORT OCONNOR STATION	24	14	58.33	\$137,352	\$80,118	\$180,343	0.44		25	1.10	\$72,835	127	174	46	59
SABINE STATION	57	16	28.07	\$403,605	\$113,292	\$1,239,960	0.09		9	6.75	\$16,784	72	162	699	98
SANTA ROSA STATION	17	11	64.71	\$107,643	\$69,656	\$105,898	0.66		34	1.73	\$40,264	110	139	501	62
PANAMA CITY STATION	9	9	100.00	\$69,294	\$69,294	\$42,235	1.64		70	7.53	\$ 9,202	32	197	352	44
PASCAGOULA STATION	11	9	81.82	\$86,697	\$70,936	\$443,183	0.16		12	2.08	\$34,104	105	97	731	124
NEW CANAL STATION	16	10	62.50	\$92,048	\$57,530	\$76,240	0.75		39	1.80	\$31,961	99	289	199	15
GALVESTON BASE	108	22	20.37	\$713,594	\$145,359	\$490,725	0.30		19	7.10	\$20,473	81	585	248	24
NEW ORLEANS BASE	139	0	0.00	\$584,402	\$ 0	\$281,320	0.00		0	14.00	\$ 0	0	115	0	0
MOBILE BASE	34	4	11.76	\$422,616	\$49,700	\$133,150	0.37		23	1.09	\$45,596	114	126	394	50
CORPUS CHRISTI MID	30	0	0.00	\$196,326	\$ 0	\$12,750	0.00		0	0.00	\$ 0	0	6	0	0
MOBILE GROUP OFFICE	9	0	0.00	\$37,906	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	54	0	0
NEW ORLEANS GROUP OF	6	0	0.00	\$50,398	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	20	0	0
SABINE GROUP OFF	61	20	32.79	\$10,822	\$ 3,549	\$ 0	999.99		172	0.00	\$9999,999	162	3	1,183	140
BILLOXI LORSTA	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	8	0	0
CAPE SAN BLAS LORSTA	13	0	0.00	\$82,881	\$ 0	\$ 1,200	0.00		0	0.00	\$ 0	0	2	0	0
LTSTA HD OF PASSES W	3	0	0.00	\$34,101	\$ 0	\$ 160	0.00		0	0.00	\$ 0	0	7	0	0
PT AU FER REER LTSTA	6	0	0.00	\$53,116	\$ 0	\$45,150	0.00		0	0.00	\$ 0	0	18	0	0
S PASS W JTY RE LTST	5	0	0.00	\$52,552	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	3	0	0

UNIT NAME	BILLETS TOTAL	SAR	PERCENT	TOTAL STA COST	SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY DEATHS RANK PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
SN PASS ENTRANCE LTS	5	0	0.00	\$54,711	\$ 0	\$16,000	0.00		0 0.00	\$ 0	0	2	0	0
VENICE LASTA	4	0	0.00	\$43,971	\$ 0	\$88,762	0.00		0 8.45	\$ 0	0	42	0	0
APLCHCOLA RV ENT LAS	3	0	0.00	\$46,452	\$ 0	\$ 4,200	0.00		0 0.00	\$ 0	0	11	0	0
CHATTAHOOCHEE LASTA	5	0	0.00	\$32,521	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
DEMOPOLIS LASTA	5	0	0.00	\$34,667	\$ 0	\$ 8,000	0.00		0 0.00	\$ 0	0	3	0	0
GULFPORT LASTA	4	0	0.00	\$31,247	\$ 0	\$112,885	0.00		0 0.25	\$ 0	0	30	0	0
YSCLOSKEY LASTA	3	0	0.00	\$21,144	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	4	0	0
PORT MANSFIELD LASTA	5	0	0.00	\$38,139	\$ 0	\$ 750	0.00		0 0.40	\$ 0	0	12	0	0
EUFALA LASTA	6	0	0.00	\$41,687	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
GALCASIEU RADIOBCN S	7	0	0.00	\$68,634	\$ 0	\$85,450	0.00		0 2.05	\$ 0	0	66	0	0
BTH CG DISTRICT OFFI	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0 24.00	\$ 0	0	46	0	0
ASHTABULA STATION	14	8	57.14	\$68,964	\$39,406	\$ 1,020	38.63		165 0.00	\$9999,999	162	43	916	124
STATION BAYFIELD WIS	9	7	77.78	\$47,452	\$36,908	\$ 9,305	3.97		121 0.75	\$49,211	122	41	900	123
BELLE ISLE STATION	26	24	92.31	\$182,624	\$168,580	\$117,210	1.44		62 7.05	\$23,912	87	287	587	77
GALUMEX HARBOR STATI	29	23	79.31	\$117,697	\$93,346	\$ 6,475	14.42		154 0.10	\$933,460	158	65	1,436	149
CHARLEVOIX STATION	24	20	83.33	\$189,310	\$157,753	\$21,710	7.27		144 3.21	\$49,144	121	79	1,997	159
CHICAGO STATION	0	0	0.00	\$ 0	\$ 0	\$25,010	0.00		0 0.90	\$ 0	0	55	0	0
CLEVELAND HARBOR STA	21	16	76.19	\$134,568	\$102,528	\$15,310	6.70		142 9.78	\$10,483	39	176	583	75
CULQUH STATION	23	14	60.87	\$145,604	\$88,630	\$15,820	5.60		139 0.15	\$590,867	153	47	1,806	156
ERIE STATION	20	16	80.00	\$109,206	\$87,365	\$22,300	3.92		119 4.80	\$18,201	76	110	794	110
FAIRPORT STATION	12	10	83.33	\$67,608	\$56,339	\$16,028	3.52		115 1.80	\$31,299	98	66	854	121
FRANKFORT STATION	12	9	75.00	\$90,268	\$67,701	\$104,983	0.64		33 0.19	\$376,117	149	96	705	99
GALLOO ISLAND STATIO	11	10	90.91	\$58,692	\$53,357	\$19,440	2.74		101 0.19	\$280,826	146	82	651	89
GRAND HAVEN STATION	17	12	70.59	\$96,896	\$68,399	\$42,165	1.62		68 2.03	\$33,694	102	113	605	78
GRAND MARAIS STATION	9	5	55.56	\$53,459	\$29,702	\$ 4,740	6.27		141 8.30	\$ 3,579	10	14	2,122	162

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UNIT NAME	BILLETS TOTAL SAR	SAR PERCENT	TOTAL STA COST	SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY DEATHS RANK	DEATHS PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
HARBOR BEACH STATION	11 10	90.91	\$84,877	\$77,162	\$ 4,310	17.90		156	7.25	\$10,643	41	36	2,143	163
KENOSHA STATION	11 7	63.64	\$66,032	\$42,023	\$ 995	42.23		166	2.00	\$21,012	82	41	1,025	132
LORAIN STATION	16 13	81.25	\$119,667	\$97,230	\$ 1,965	49.48		168	3.60	\$27,008	94	81	1,200	142
LUDINGTON STATION	14 10	71.43	\$95,448	\$68,179	\$21,000	3.25		112	2.61	\$26,122	93	84	812	115
MACKINAC ISL STATION	0 0	0.00	\$ 0	\$ 0	\$46,810	0.00		0	0.80	\$ 0	0	38	0	0
MARBLEHEAD STATION	23 20	86.96	\$124,705	\$108,444	\$19,524	5.55		138	4.79	\$22,640	85	306	354	46
MARQUETTE STATION	16 12	75.00	\$78,911	\$59,184	\$ 1,050	56.37		169	0.00	\$9999,999	167	9	6,576	174
MICHIGAN CITY STATIO	15 11	73.33	\$71,466	\$52,406	\$11,868	4.41		123	3.75	\$13,975	56	76	690	96
MILWAUKEE STATION	20 14	70.00	\$99,374	\$69,562	\$10,325	6.74		143	16.20	\$ 4,294	14	88	790	109
MUSKEGON STATION	13 10	76.92	\$83,927	\$64,557	\$11,735	5.50		135	4.29	\$15,048	63	116	557	69
NIAGARA STATION	16 14	87.50	\$64,181	\$56,159	\$44,390	1.27		56	14.95	\$ 3,756	11	59	952	127
NORTH SUPERIOR STATI	5 3	60.00	\$39,524	\$23,715	\$ 500	47.43		167	0.00	\$9999,999	162	4	5,929	173
OSWEGO STATION	17 14	82.35	\$100,433	\$82,707	\$33,065	2.50		95	7.04	\$11,748	46	47	1,760	153
PLUM ISLAND STATION	12 10	83.33	\$66,410	\$55,340	\$ 450	122.98		171	0.32	\$172,938	138	19	2,913	169
PORTAGE STATION	12 10	83.33	\$89,804	\$74,834	\$ 870	86.02		170	0.05	\$1496,680	159	15	4,989	171
PORT HURON STATION	17 12	70.59	\$95,359	\$67,314	\$ 3,080	21.86		158	2.10	\$32,054	100	59	1,141	138
RACINE STATION	10 8	80.00	\$56,365	\$45,093	\$23,337	1.93		80	4.65	\$ 9,697	36	41	1,100	136
ROCHESTER STATION	20 16	80.00	\$87,459	\$69,968	\$23,336	3.00		109	4.30	\$16,272	69	102	686	94
ST JOSEPH STATION	16 12	75.00	\$86,798	\$65,099	\$ 8,260	7.88		146	9.40	\$ 6,925	24	46	1,415	148
SHEBOYGAN STATION	14 10	71.43	\$78,597	\$56,142	\$18,865	2.98		108	5.31	\$10,573	40	61	923	126
SOUTH HAVEN STATION	12 10	83.33	\$94,135	\$78,443	\$15,995	4.90		126	0.21	\$373,538	148	34	2,307	164
ST IGNACE STATION	18 14	77.78	\$71,424	\$55,554	\$19,690	2.82		103	0.98	\$56,688	123	27	2,058	160
STURGEON BAY CANAL S	24 17	70.83	\$125,753	\$89,071	\$52,285	1.70		74	4.06	\$21,939	84	58	1,536	151
TAWAS STATION	15 9	60.00	\$109,776	\$65,866	\$12,082	5.45		132	6.39	\$10,308	38	64	1,029	134
TWO RIVERS STATION	15 13	86.67	\$107,312	\$93,008	\$ 3,565	26.09		162	5.48	\$16,972	73	39	2,385	165



UNDT NAME	BILLETS TOTAL	SAR SAR	PERCENT	TOTAL STA COST	SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY DEATHS RANK	DEATHS PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
WILMETTE HBR STATION	10	6	60.00	\$67,485	\$40,491	\$21,325	1.90		79	8.19	\$ 4,944	15	77	526	64
ALEXANDRIA BAY STATI	19	17	89.47	\$108,065	\$96,686	\$49,250	1.96		81	0.05	\$1933,720	160	50	1,934	157
HOLLAND STATION	9	5	55.56	\$59,708	\$33,174	\$37,588	0.88		45	0.78	\$42,531	113	139	239	21
MANISTEE STATION	9	4	44.44	\$52,981	\$23,545	\$10,418	2.26		89	5.67	\$ 4,153	13	120	196	13
ST CLAIR SHORES STA	9	7	77.78	\$53,465	\$41,585	\$12,380	3.36		113	2.14	\$19,432	78	181	230	19
TOLEDO STATION	7	5	71.43	\$130,904	\$93,505	\$ 6,657	14.05		153	5.21	\$17,947	75	110	850	119
ST CLAIR FLATS CNL S	12	8	66.67	\$65,277	\$43,520	\$55,985	0.78		41	3.68	\$11,826	47	249	175	9
SANDUSKY BAY STATION	13	10	76.92	\$85,745	\$65,955	\$45,243	1.46		64	6.50	\$10,147	37	202	327	40
SCOUS OUTER STATION	6	3	50.00	\$29,048	\$14,524	\$ 2,885	5.03		129	1.00	\$14,524	61	33	440	55
MUNISING STATION	4	2	50.00	\$26,566	\$13,283	\$ 1,040	12.77		152	0.03	\$442,767	151	20	664	90
SAGINAW RIVER STATIO	10	5	50.00	\$65,746	\$32,873	\$392,616	0.08		8	2.33	\$14,109	58	107	307	35
SAULT STE MARIE BASE	60	19	31.67	\$301,797	\$95,579	\$ 7,680	12.45		151	2.00	\$47,790	118	49	1,951	158
BUFFALO BASE	34	22	64.71	\$310,921	\$201,197	\$99,444	2.02		83	1.37	\$188,035	144	174	1,156	139
DETROIT BASE	12	0	0.00	\$141,132	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	2	0	0
MILWAUKEE BASE	21	8	38.10	\$298,108	\$113,579	\$ 0	999.99		172	0.00	\$9999,999	162	0	99,999	178
CLEVELAND MID	28	4	14.29	\$229,007	\$32,725	\$ 0	999.99		172	0.00	\$9999,999	162	0	99,999	178
BUFFALO GROUP OFFICE	9	0	0.00	\$91,954	\$ 0	\$ 170	0.00		0	0.00	\$ 0	0	13	0	0
CHARLEVOIX GRP OFFIC	4	0	0.00	\$52,319	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
CLEVELAND GROUP OFFI	5	0	0.00	\$75,873	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	23	0	0
DETROIT GROUP OFFICE	12	0	0.00	\$108,222	\$ 0	\$ 300	0.00		0	2.00	\$ 0	0	60	0	0
LUDINGTON GROUP OFFI	7	0	0.00	\$79,384	\$ 0	\$ 4,155	0.00		0	0.12	\$ 0	0	22	0	0
PORTAGE GROUP OFFICE	4	0	0.00	\$49,917	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
TWO RIVERS GRP OFFIC	9	0	0.00	\$98,549	\$ 0	\$ 1,300	0.00		0	0.00	\$ 0	0	12	0	0
CHICAGO GROUP OFFICE	27	0	0.00	\$199,139	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	13	0	0
ALGOMA PIERHEAD LTST	3	0	0.00	\$18,241	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0

WEST FOR

UNIT NAME	BILLETS TOTAL	SAR	SAR PERCENT	TOTAL STA COST	SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY DEATHS RANK	DEATHS PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
ALPENA LTSTA	3	0	0.00	\$20,205	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	2	0	0
MANISTIQUE LTSTA	4	0	0.00	\$20,039	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
N MANITOU SHOAL LTST	5	0	0.00	\$24,295	\$ 0	\$ 1,100	0.00		0	0.00	\$ 0	0	1	0	0
PT WASH BKWTR LTSTA	3	0	0.00	\$16,511	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
PRESQUE ISLE LTSTA	3	0	0.00	\$20,859	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	2	0	0
THUNDER BAY ISL LTST	5	0	0.00	\$26,517	\$ 0	\$ 2,775	0.00		0	0.15	\$ 0	0	5	0	0
TIBBETS POINT LTSTA	4	0	0.00	\$19,547	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
CP VINCENT BKWTR LAS	3	0	0.00	\$18,109	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	3	0	0
MDLE NEEBISH CUT LAS	2	0	0.00	\$11,013	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
LASTA CHBGN RV RG MI	4	0	0.00	\$24,255	\$ 0	\$ 280	0.00		0	0.00	\$ 0	0	2	0	0
9TH CG DISTRICT OFFI	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	6	0	0
LALONG BEACH STATION	54	0	0.00	\$507,592	\$ 0	\$853,122	0.00		0	14.67	\$ 0	0	410	0	0
POINT HUENEME STATIO	15	8	53.33	\$170,457	\$90,905	\$420,516	0.22		16	12.31	\$ 7,385	28	133	683	92
TERMINAL ISLAND BASE	50	12	24.00	\$48,303	\$11,593	\$ 0	999.99		172	0.00	\$9999,999	162	1	11,593	175
BOULDER CITY MOB BD	3	0	0.00	\$31,910	\$ 0	\$ 140	0.00		0	0.20	\$ 0	0	5	0	0
PARKER MOB BD DT	3	0	0.00	\$27,175	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	3	0	0
SAN DIEGO GROUP OFFI	11	0	0.00	\$139,137	\$ 0	\$ 6,910	0.00		0	0.00	\$ 0	0	147	0	0
POINT LOMA LTSTA	4	0	0.00	\$40,093	\$ 0	\$ 1,965	0.00		0	0.55	\$ 0	0	3	0	0
11TH CG DISTRICT OFF	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	269	0	0
BODEGA BAY STATION	21	14	66.67	\$128,331	\$85,558	\$29,125	2.94		106	5.35	\$15,992	67	106	807	114
FORT POINT STATION	23	21	91.30	\$142,876	\$130,446	\$76,280	1.71		76	9.77	\$13,352	53	655	199	15
HUMBOLDT BAY STATION	28	22	78.57	\$165,370	\$129,932	\$58,505	2.22		86	1.00	\$129,932	136	127	1,023	130
MONTEREY STATION	23	17	73.91	\$168,280	\$124,376	\$93,855	1.33		58	8.18	\$15,205	64	193	644	85
POINT REYES STATION	0	0	0.00	\$ 0	\$ 0	\$ 3,000	0.00		0	2.08	\$ 0	0	8	0	0
LAKE TAHOE STATION	8	6	75.00	\$46,054	\$34,541	\$ 6,911	5.00		128	4.56	\$ 7,575	29	45	768	108

APPENDIX IV

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UNIT NAME	BILLETS TOTAL	SAR SAR	SAR PERCENT	TOTAL STA COST	SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY RANK	DEATHS PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
RIO VISTA STATION	25	17	68.00	\$169,682	\$115,384	\$20,928	5.51		137	0.25	\$461,536	152	198	583	75
YERBA BUENA ISL BASE	26	3	11.54	\$283,743	\$32,744	\$ 0	999.99		172	0.00	\$9999,999	162	1	32,744	177
ALAMEDA PORT SEC STA	52	0	0.00	\$374,247	\$ 0	\$465,790	0.00		0	7.19	\$ 0	0	426	0	0
HUMBOLDT BAY GROUP D	9	0	0.00	\$89,284	\$ 0	\$4,025,090	0.00		0	0.45	\$ 0	0	126	0	0
YERBA BUENA GROUP OF	3	0	0.00	\$48,824	\$ 0	\$ 2,000	0.00		0	0.00	\$ 0	0	8	0	0
EAST BROTHER ISL LTS	4	0	0.00	\$27,028	\$ 0	\$ 6,260	0.00		0	0.10	\$ 0	0	5	0	0
PIEDRAS BLANCAS LTST	4	0	0.00	\$23,595	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	3	0
PIGEON POINT LTSTA	4	0	0.00	\$31,247	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	3	0	0
POINT ARENA LTSTA	4	0	0.00	\$33,012	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
POINT MONTARA LTSTA	3	0	0.00	\$22,236	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	3	0	0
POINT REYES LTSTA	4	0	0.00	\$26,516	\$ 0	\$ 0	0.00		0	0.10	\$ 0	0	3	0	0
POINT SUR LTSTA	4	0	0.00	\$44,961	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
SAN LUIS OBISPO LTST	4	0	0.00	\$120,373	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
TRINIDAD HEAD LTSTA	3	0	0.00	\$17,327	\$ 0	\$ 500	0.00		0	0.03	\$ 0	0	2	0	0
12TH CG DISTRICT DRF	0	0	0.00	\$ 0	\$ 0	\$ 2,000	0.00		0	67.40	\$ 0	0	115	0	0
COQUILLE RIVER STATION	16	16	100.00	\$95,250	\$95,251	\$26,921	3.54		116	2.28	\$41,777	112	52	1,832	155
CP DISAPPOINTMENT ST	50	43	86.00	\$333,492	\$286,803	\$128,552	2.23		87	53.08	\$ 5,403	18	710	404	52
COOS BAY STATION	23	15	65.22	\$163,777	\$106,816	\$48,880	2.19		85	59.06	\$ 1,809	5	196	545	66
GRAYS HARBOR STATION	30	22	73.33	\$198,542	\$145,591	\$85,473	1.70		74	19.96	\$ 7,294	27	556	252	26
NEAH BAY STATION	17	12	70.59	\$131,761	\$93,011	\$17,056	5.45		132	6.00	\$15,502	66	147	633	83
QUILLAYUTE RIVER STA	17	16	94.12	\$153,289	\$144,276	\$36,670	3.93		120	5.00	\$28,855	96	141	1,023	130
TILLAMOOK BAY STATION	14	12	85.71	\$121,927	\$104,504	\$45,132	2.32		90	16.22	\$ 6,443	22	138	757	106
UMPUA RIVER STATION	19	16	84.21	\$103,903	\$87,497	\$244,242	0.36		22	27.60	\$ 3,170	8	263	333	41
WILLAPA BAY STATION	14	8	57.14	\$104,099	\$59,483	\$353,505	0.17		13	11.14	\$ 5,340	16	132	451	57
YAQUINA BAY STATION	27	22	81.48	\$166,115	\$135,351	\$142,043	0.95		49	99.99	\$ 1,354	3	292	464	60

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APPENDIX IV

BEST DOCUMENT AVAILABLE

UNIT NAME	BILLETS TOTAL	SAR SAR	PERCENT PERCENT	TOTAL STA COST	SAR SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY DEATHS RANK PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
SEATTLE STATION	61	6	9.84	\$389,314	\$38,309	\$809,450	0.05		3 16.46	\$ 2,327	6	440	87	1
DEPCE BAY STATION	9	7	77.78	\$67,772	\$52,714	\$77,268	0.68		36 68.15	\$ 773	1	158	334	42
CHEPICO RIVER STATION	21	21	100.00	\$131,552	\$131,552	\$97,824	1.34		59 99.99	\$ 1,316	2	191	669	95
SIUSLAW RIVER STATIO	10	6	60.00	\$83,161	\$49,897	\$111,180	0.45		26 3.39	\$14,719	62	73	684	93
EVERETH STATION	12	7	58.33	\$90,839	\$52,986	\$471,978	0.11		10 8.75	\$ 6,056	21	132	401	51
KENNEWICK STATION	15	9	60.00	\$124,380	\$74,629	\$ 3,200	23.32		161 8.00	\$ 9,329	34	19	3,928	170
SEATTLE BASE	27	0	0.00	\$480,272	\$ 0	\$261,950	0.00		0 2.20	\$ 0	0	30	0	0
ASTORIA BASE	29	3	10.34	\$358,799	\$37,100	\$33,775	1.10		53 0.33	\$112,424	133	52	713	101
VANCCOVER DEPOT	16	0	0.00	\$114,034	\$ 0	\$ 770	0.00		0 0.30	\$ 0	0	6	0	0
WESTPORT RADIO STATI	26	0	0.00	\$159,606	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
PORTLAND STATION	44	0	0.00	\$295,408	\$ 0	\$ 5,070	0.00		0 0.00	\$ 0	0	40	0	0
ASTORIA GROUP OFFICE	10	0	0.00	\$96,772	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	14	0	0
PORTLAND GROUP OFFIC	6	0	0.00	\$ 8,893	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	2	0	0
SEATTLE GROUP OFFICE	6	0	0.00	\$56,134	\$ 0	\$ 100	0.00		0 0.00	\$ 0	0	2	0	0
CAPE BLANCO LORSTA	12	0	0.00	\$88,407	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	2	0	0
PT GRENVILLE LORSTA	10	0	0.00	\$72,763	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	6	0	0
BURROWS ISLAND LTSTA	3	0	0.00	\$20,401	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
POINT NO POINT LTSTA	3	0	0.00	\$20,911	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0
POINT WILSON LTSTA	4	0	0.00	\$28,650	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	2	0	0
13TH CG DISTRICT ORF	0	0	0.00	\$ 0	\$ 0	\$ 2,900	0.00		0 1.25	\$ 0	0	131	0	0
PAGO PAGO STATION	6	3	50.00	\$42,876	\$21,438	\$ 7,300	2.94		106 12.89	\$ 1,663	4	12	1,787	154
HONOLULU BASE	42	0	0.00	\$781,201	\$ 0	\$54,903	0.00		0 16.05	\$ 0	0	134	0	0
KAUAI LORSTA	16	2	12.50	\$114,405	\$14,301	\$ 0	999.99		172 0.00	\$9999,999	162	5	2,860	168
NAULO POINT LORSTA	15	0	0.00	\$101,954	\$ 0	\$ 500	0.00		0 0.00	\$ 0	0	1	0	0
LORSTA MARCUS ISL	35	0	0.00	\$348,484	\$ 0	\$ 0	0.00		0 0.00	\$ 0	0	1	0	0

UNIT NAME	BILLETS TOTAL	SAR SAR	SAR PERCENT	TOTAL STA COST	SAR COST	PPTY LOSS PREVENTED	COST/ PPTY	AVG	PPTY DEATHS RANK	DP PRVNTD	COST/ D.P.	DP RANK	RESP ONSES	COST/ RES	RES RANK
14TH CG DISTRICT OFF	0	0	0.00	\$ 0	\$ 0	\$15,400	0.00		0	4.45	\$ 0	0	199	0	0
KETCHIKAN BASE	60	9	15.00	\$376,071	\$56,411	\$215,796	0.26		18	3.01	\$18,741	77	147	384	49
JUNEAU GROUP OFFICE	18	6	33.33	\$328,140	\$109,369	\$21,000	5.21		130	0.62	\$176,402	139	52	2,103	161
BIORKA LORSTA	29	0	0.00	\$105,580	\$ 0	\$ 0	0.00		0	1.00	\$ 0	0	2	0	0
OCEAN CAPE LORSTA	11	0	0.00	\$122,033	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	13	0	0
CAPE SARICHEF LORSTA	19	0	0.00	\$257,584	\$ 0	\$ 0	0.00		0	0.10	\$ 0	0	2	0	0
17TH CG DISTRICT OFF	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0	27.00	\$ 0	0	54	0	0
EASTERN AREA OFFICE	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0	3.00	\$ 0	0	119	0	0
WESTERN AREA OFFICE	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0	0.10	\$ 0	0	313	0	0
AIRCRAFT REP & SUPCE	0	0	0.00	\$ 0	\$ 0	\$ 0	0.00		0	0.00	\$ 0	0	1	0	0
RESERVE TRAINING GTR	0	0	0.00	\$ 0	\$ 0	\$ 80	0.00		0	2.00	\$ 0	0	12	0	0

END

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