

**TWA FLIGHT 800 DEBRIS SEARCH AND RECOVERY
SUPSALV TIMELINE
(ACCIDENT OCCURRED 2030 17 JULY)**

Thursday, 18 July 1996

CUMULATIVE OPERATING DAYS:

1

Operating days by platform and mission:

USS GRASP	0	USS GRAPPLE	0	M/V PIROUETTE	0	M/V MARION C	0	MOBILE TEAMS	
Dive ops	0	Dive Ops	0	Side scan	0	Side scan	0	On Scene	0
MR-1	0	Deep Drone	0	MR-2	0	MR-2	0	Diving	0
USS OAK HILL 0		USS TRENTON 0		DIANE G 0		NOAAS RUDE 1			
LCM-8 loads 0				CH-46 loads 0					

SIGNIFICANT EVENTS:

- SUPSALV discussed operational requirements and potential support with NTSB.
- SUPSALV directs OCEANEERING INTL. to mobilize towed pinger locator, side scan sonar and mini-rov systems aboard commercial support ship. A second mini-rov and DEEP DRONE are put on standby.
- SUPSALV Reps (Director & Head of Operations) arrive on scene.
- Tasking received from CNO to assist NTSB.
- NOAA Ship RUDE on scene conducting side scan sonar (SSS) operations.
- SUPSALV begins development of search and recovery plan with NTSB

Friday, 19 July 1996

CUMULATIVE OPERATING DAYS:

2

Operating days by platform and mission:

USS GRASP	0	USS GRAPPLE	0	M/V PIROUETTE	1	M/V MARION C	0	MOBILE TEAMS	
Dive ops	0	Dive Ops	0	Side scan	0	Side scan	0	On Scene	0
MR-1	0	Deep Drone	0	MR-2	0	MR-2	0	Diving	0
USS OAK HILL 0		USS TRENTON 0		DIANE G 0		NOAAS RUDE 2			
LCM-8 loads 0				CH-46 loads 0					

SIGNIFICANT EVENTS:

- CINCLANTFLT begins plans to assist with fleet assets.
- Contract ship M/V Pirouette loads out in NJ and arrives on scene, at 2200, with U.S. Navy search equipment: towed pinger locator (TPL), side scan sonar, and mini-ROV (MR-2).

Saturday, 20 July 1996

CUMULATIVE OPERATING DAYS:

3

Operating days by platform and mission:

USS GRASP	0	USS GRAPPLE	0	M/V PIROUETTE	2	M/V MARION C	0	MOBILE TEAMS	
Dive ops	0	Dive Ops	0	Side scan	1	Side scan	0	On Scene	1
MR-1	0	Deep Drone	0	MR-2	0	MR-2	0	Diving	0
USS OAK HILL	0	USS TRENTON	0	DIANE G	0	NOAAS RUDE	3		
		LCM-8 loads	0	CH-46 loads	0				

SIGNIFICANT EVENTS:

- PIROUETTE commenced search with towed pinger locator in 3nm X 4nm box.
- Mobile dive (EOD/MDSU) teams arrive on scene.
- Ops secured due to high seas.

Sunday, 21 July 1996

CUMULATIVE OPERATING DAYS:

4

Operating days by platform and mission:

USS GRASP	0	USS GRAPPLE	0	M/V PIROUETTE	3	M/V MARION C	0	MOBILE TEAMS	
Dive ops	0	Dive Ops	0	Side scan	2	Side scan	0	On Scene	2
MR-1	0	Deep Drone	0	MR-2	0	MR-2	0	Diving	1
USS OAK HILL	0	USS TRENTON	0	DIANE G	0	NOAAS RUDE	4		
		LCM-8 loads	0	CH-46 loads	0				

SIGNIFICANT EVENTS:

- USS GRASP (ARS 51) tasked to provide support. Mini-ROV (MR-1) mobilized on board.
- PIROUETTE completed TPL search with negative results and commenced SSS search.
- RUDE resumes SSS search.
- Mobile dive teams investigate targets and recover human remains (H/R) and debris.

Monday, 22 July 1996

CUMULATIVE OPERATING DAYS:

5

Operating days by platform and mission:

USS GRASP	1	USS GRAPPLE	0	M/V PIROUETTE	4	M/V MARION C	0	MOBILE TEAMS	
Dive ops	0	Dive Ops		Side scan	3	Side scan	0	On Scene	3
MR-1	0	Deep Drone	0	MR-2	0	MR-2	0	Diving	2
USS OAK HILL	0	USS TRENTON	0	DIANE G	0	NOAAS RUDE			5
		LCM-8 loads	0			CH-46 loads	0		

SIGNIFICANT EVENTS:

- GRASP underway from Little Creek VA with MR-1.
- RUDE/PIROUETTE complete SSS search of initial search Area 'A'.
- Developed new search Area 'B' based on new flight data.
- PIROUETTE commenced TPL search in new Area 'B'.
- RADM Kristensen, Combat Logistics Group Two (COMLOGRU 2), assigned as OTC for Navy support to NTSB.
- USS OAK HILL (LSD 51) assigned as afloat command ship.
- PIROUETTE recovered TPL and commenced SSS search in Area 'B' with RUDE.
- GRASP arrives on scene and prepares for laying moor.
- Mobile dive teams continue dive operations.

Tuesday, 23 July 1996

CUMULATIVE OPERATING DAYS:

6

Operating days by platform and mission:

USS GRASP	2	USS GRAPPLE	0	M/V PIROUETTE	5	M/V MARION C	0	MOBILE TEAMS	
Dive ops	0	Dive Ops	0	Side scan	4	Side scan	0	On Scene	4
MR-1	0	Deep Drone	0	MR-2	0	MR-2	0	Diving	3
USS OAK HILL	0	USS TRENTON	0	DIANE G	0	NOAAS RUDE			6
		LCM-8 loads	0			CH-46 loads	0		

SIGNIFICANT EVENTS:

- RUDE/PIROUETTE both report negative results in Area 'B'.
- PIROUETTE begins high resolution sonar search within Area 'A'.
- RADM Kristensen arrives on scene.
- Mobile dive teams continue dive operations.

Wednesday, 24 July 1996
CUMULATIVE OPERATING DAYS:

7

Operating days by platform and mission:

USS GRASP	3	USS GRAPPLE	0	M/V PIROUETTE	6	M/V MARION C	0	MOBILE TEAMS	
Dive ops	1	Dive Ops	0	Side scan	5	Side scan	0	On Scene	5
MR-1	1	Deep Drone	0	MR-2	1	MR-2	0	Diving	4
USS OAK HILL	1	USS TRENTON	0	DIANE G	0	NOAAS RUDE	7		
		LCM-8 loads	0	CH-46 loads	0				

SIGNIFICANT EVENTS:

- PIROUETTE completes high resolution SSS in Area "A" and determines optimum point to moor GRASP. Commences ROV operations to locate human remains and plot debris.
- RUDE clears GRASP's mooring anchor points with sonar.
- GRASP in three point moor in Area 1. Commenced ROV/dive ops. Diver's recover cockpit voice recorder (CVR) and flight data recorder (FDR).
- OAK HILL arrives on scene.
- Mobile dive teams continue dive operations.

Thursday, 25 July 1996
CUMULATIVE OPERATING DAYS:

8

Operating days by platform and mission:

USS GRASP	4	USS GRAPPLE	0	M/V PIROUETTE	7	M/V MARION C	0	MOBILE TEAMS	
Dive ops	2	Dive Ops	0	Side scan	5	Side scan	0	On Scene	6
MR-1	2	Deep Drone	0	MR-2	2	MR-2	0	Diving	5
USS OAK HILL	2	USS TRENTON	0	DIANE G	0	NOAAS RUDE	8		
		LCM-8 loads	0	CH-46 loads	0				

SIGNIFICANT EVENTS:

- CVR and FDR transferred ashore.
- GRASP continue ROV and dive operations.
- PIROUETTE continues ROV operations.
- Mobile dive teams continue dive operations.

Friday, 26 July 1996

CUMULATIVE OPERATING DAYS:

9

Operating days by platform and mission:

USS GRASP	5	USS GRAPPLE	0	M/V PIROUETTE	8	M/V MARION C	0	MOBILE TEAMS	
Dive ops	3	Dive Ops	0	Side scan	5	Side scan	0	On Scene	7
MR-1	3	Deep Drone	0	MR-2	3	MR-2	0	Diving	6
USS OAK HILL	3	USS TRENTON	0	DIANE G	0	NOAAS RUDE	9		
		LCM-8 loads	0	CH-46 loads	0				

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations.
- Mobile dive teams continue dive operations.

Saturday, 27 July 1996

CUMULATIVE OPERATING DAYS:

10

Operating days by platform and mission:

USS GRASP	6	USS GRAPPLE	0	M/V PIROUETTE	9	M/V MARION C	0	MOBILE TEAMS	
Dive ops	4	Dive Ops	0	Side scan	5	Side scan	0	On Scene	8
MR-1	4	Deep Drone	0	MR-2	4	MR-2	0	Diving	7
USS OAK HILL	4	USS TRENTON	0	DIANE G	1	NOAAS RUDE	10		
		LCM-8 loads	0	CH-46 loads	0				

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations.
- Contracted research vessel (R/V) DIANE G on scene with laser line scan (LLS). Conducts initial survey of high priority debris field and conducts SSS search of area SW along flight path.
- RUDE inport for reprovisioning.
- Mobile dive team divers investigate Debris Field #2 and determine the need for second salvage ship.
- USS GRAPPLE (ARS 53) tasked to support recovery operation. Deep Drone ROV mobilized and loaded aboard GRAPPLE.

Sunday, 28 July 1996

CUMULATIVE OPERATING DAYS:

11

Operating days by platform and mission:

USS GRASP	7	USS GRAPPLE	0	M/V PIROUETTE	10	M/V MARION C	0	MOBILE TEAMS	
Dive ops	5	Dive Ops	0	Side scan	5	Side scan	0	On Scene	9
MR-1	5	Deep Drone	0	MR-2	5	MR-2	0	Diving	8
USS OAK HILL	5	USS TRENTON	0	DIANE G	2	NOAAS RUDE	11		
		LCM-8 loads	0	CH-46 loads	0				

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations.
- Diane G conducts LLS and SSS continuously until 11 August.
- GRAPPLE underway from Little Creek, VA.
- RUDE returns to commence survey of area west of debris fields.
- Mobile dive teams continue dive operations.

Monday, 29 July 1996

CUMULATIVE OPERATING DAYS:

12

Operating days by platform and mission:

USS GRASP	8	USS GRAPPLE	1	M/V PIROUETTE	11	M/V MARION C	0	MOBILE TEAMS	
Dive ops	6	Dive Ops	0	Side scan	6	Side scan	0	On Scene	10
MR-1	6	Deep Drone	0	MR-2	6	MR-2	0	Diving	9
USS OAK HILL	6	USS TRENTON	0	DIANE G	3	NOAAS RUDE	12		
		LCM-8 loads	1	CH-46 loads	0				

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV, SSS operations.
- GRAPPLE arrives and prepares to lay four point moor AM, 30 Jul.
- RUDE clears GRAPPLE mooring anchor points with high resolution sonar.
- Mobile dive teams continue dive teams

Tuesday, 30 July 1996

CUMULATIVE OPERATING DAYS:

13

Operating days by platform and mission:

USS GRASP	9	USS GRAPPLE	2	M/V PIROUETTE	12	M/V MARION C	0	MOBILE TEAMS	
Dive ops	7	Dive Ops	1	Side scan	6	Side scan	0	On Scene	11
MR-1	7	Deep Drone	1	MR-2	7	MR-2	0	Diving	10
USS OAK HILL	7	USS TRENTON	0	DIANE G	4	NOAAS RUDE			13
		LCM-8 loads	2			CH-46 loads	0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations.
- GRAPPLE moors over Debris Field #2 and commences ROV and dive operations.
- Mobile dive teams continue dive operations.

Wednesday, 31 July 1996

CUMULATIVE OPERATING DAYS:

14

Operating days by platform and mission:

USS GRASP	10	USS GRAPPLE	3	M/V PIROUETTE	13	M/V MARION C	0	MOBILE TEAMS	
Dive ops	8	Dive Ops	2	Side scan	6	Side scan	0	On Scene	12
MR-1	8	Deep Drone	2	MR-2	8	MR-2	0	Diving	10
USS OAK HILL	8	USS TRENTON	0	DIANE G	5	NOAAS RUDE			14
		LCM-8 loads	2			CH-46 loads	0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations.
- GRAPPLE continues ROV and dive operations.
- RUDE secured due to weather, dispatched to Newport, RI for standby.
- Mobile dive teams secure dive operations due to weather.

Thursday, 1 August 1996

CUMULATIVE OPERATING DAYS:

15

Operating days by platform and mission:

USS GRASP	11	USS GRAPPLE	4	M/V PIROUETTE	14	M/V MARION C	0	MOBILE TEAMS	
Dive ops	9	Dive Ops	3	Side scan	6	Side scan	0	On Scene	13
MR-1	9	Deep Drone	3	MR-2	8	MR-2	0	Diving	10
USS OAK HILL	9	USS TRENTON	0	DIANE G	6	NOAAS RUDE	15		
		LCM-8 loads	2	CH-46 loads	0				

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE secured ROV operations due to weather.
- GRAPPLE continues ROV and dive operations.
- RUDE secured due to weather, dispatched to Newport, RI for standby.
- Mobile dive teams secured due to weather.

Friday, 2 August 1996

CUMULATIVE OPERATING DAYS:

16

Operating days by platform and mission:

USS GRASP	12	USS GRAPPLE	5	M/V PIROUETTE	15	M/V MARION C	0	MOBILE TEAMS	
Dive ops	10	Dive Ops	4	Side scan	6	Side scan	0	On Scene	14
MR-1	10	Deep Drone	4	MR-2	8	MR-2	0	Diving	11
USS OAK HILL	10	USS TRENTON	0	DIANE G	7	NOAAS RUDE	15		
		LCM-8 loads	3	CH-46 loads	0				

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE secured ROV to conduct repairs.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams commenced dive operations.

Saturday, 3 August 1996

CUMULATIVE OPERATING DAYS:

17

Operating days by platform and mission:

USS GRASP	13	USS GRAPPLE	6	M/V PIROUETTE	16	M/V MARION C	0	MOBILE TEAMS	
Dive ops	11	Dive Ops	5	Side scan	6	Side scan	0	On Scene	15
MR-1	11	Deep Drone	5	MR-2	8	MR-2	0	Diving	12
USS OAK HILL	11	USS TRENTON	0	DIANE G	8	NOAAS RUDE	15		
		LCM-8 loads	5	CH-46 loads	0				

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE secured ROV to conduct repairs.
- GRAPPLE continues ROV and dive operations, recovers cockpit from Debris Field #2.
- Mobile dive teams continuing dive operations.

Sunday, 4 August 1996

CUMULATIVE OPERATING DAYS:

18

Operating days by platform and mission:

USS GRASP	14	USS GRAPPLE	7	M/V PIROUETTE	17	M/V MARION C	0	MOBILE TEAMS	
Dive ops	12	Dive Ops	6	Side scan	6	Side scan	0	On Scene	16
MR-1	12	Deep Drone	6	MR-2	9	MR-2	0	Diving	13
USS OAK HILL	12	USS TRENTON	0	DIANE G	9	NOAAS RUDE	15		
		LCM-8 loads	7	CH-46 loads	0				

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and commenced supporting dive teams.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Monday, 5 August 1996
 CUMULATIVE OPERATING DAYS:
19

Operating days by platform and mission:

USS GRASP 15	USS GRAPPLE 8	M/V PIROUETTE 18	M/V MARION C 0	MOBILE TEAMS
Dive ops 13	Dive Ops 7	Side scan 6	Side scan 0	On Scene 17
MR-1 13	Deep Drone 7	MR-2 10	MR-2 0	Diving 14
USS OAK HILL 13	USS TRENTON 0	DIANE G 10	NOAAS RUDE 15	
	LCM-8 loads 10	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Tuesday, 6 August 1996
 CUMULATIVE OPERATING DAYS:
20

Operating days by platform and mission:

USS GRASP 16	USS GRAPPLE 9	M/V PIROUETTE 19	M/V MARION C 0	MOBILE TEAMS
Dive ops 14	Dive Ops 8	Side scan 7	Side scan 0	On Scene 18
MR-1 14	Deep Drone 8	MR-2 11	MR-2 0	Diving 15
USS OAK HILL 14	USS TRENTON 0	DIANE G 11	NOAAS RUDE 15	
	LCM-8 loads 11	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV and supporting dive teams. Secured ROV operations and commenced SSS operations.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Wednesday, 7 August 1996
CUMULATIVE OPERATING DAYS:

21

Operating days by platform and mission:

USS GRASP 17	USS GRAPPLE 10	M/V PIROUETTE 20	M/V MARION C 0	MOBILE TEAMS
Dive ops 15	Dive Ops 9	Side scan 8	Side scan 0	On Scene 19
MR-1 15	Deep Drone 9	MR-2 11	MR-2 0	Diving 16
USS OAK HILL 15	USS TRENTON 0	DIANE G 12	NOAAS RUDE 15	
	LCM-8 loads 11	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations, recovered 80' wing section and cut to facilitate transfer.
- PIROUETTE continues SSS operations.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Thursday, 8 August 1996
CUMULATIVE OPERATING DAYS:

22

Operating days by platform and mission:

USS GRASP 18	USS GRAPPLE 11	M/V PIROUETTE 21	M/V MARION C 0	MOBILE TEAMS
Dive ops 16	Dive Ops 10	Side scan 9	Side scan 0	On Scene 20
MR-1 16	Deep Drone 10	MR-2 12	MR-2 0	Diving 17
USS OAK HILL 16	USS TRENTON 0	DIANE G 13	NOAAS RUDE 15	
	LCM-8 loads 12	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE completed high resolution sonar runs in Debris Field #3. Commenced ROV operations and supporting dive teams.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Friday, 9 August 1996

CUMULATIVE OPERATING DAYS:

23

Operating days by platform and mission:

USS GRASP 19	USS GRAPPLE 12	M/V PIROUETTE 22	M/V MARION C 0	MOBILE TEAMS
Dive ops 17	Dive Ops 11	Side scan 9	Side scan 0	On Scene 21
MR-1 17	Deep Drone 11	MR-2 13	MR-2 0	Diving 18
USS OAK HILL 17	USS TRENTON 0	DIANE G 14	NOAAS RUDE 15	
	LCM-8 loads 16	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations, recovered number 1 engine.
- PIROUETTE continues ROV operations and supporting dive teams.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Saturday, 10 August 1996

CUMULATIVE OPERATING DAYS:

24

Operating days by platform and mission:

USS GRASP 20	USS GRAPPLE 13	M/V PIROUETTE 23	M/V MARION C 0	MOBILE TEAMS
Dive ops 18	Dive Ops 12	Side scan 9	Side scan 0	On Scene 22
MR-1 18	Deep Drone 12	MR-2 14	MR-2 0	Diving 19
USS OAK HILL 18	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 18	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations, recovered number 2 engine.
- PIROUETTE continues ROV operations and supporting dive teams.
- GRAPPLE moves to Debris Field #3 and commenced ROV and dive operations.
- Mobile dive teams continuing dive operations.

Sunday, 11 August 1996

CUMULATIVE OPERATING DAYS:

25

Operating days by platform and mission:

USS GRASP 21	USS GRAPPLE 14	M/V PIROUETTE 24	M/V MARION C 0	MOBILE TEAMS
Dive ops 18	Dive Ops 12	Side scan 9	Side scan 0	On Scene 23
MR-1 18	Deep Drone 13	MR-2 15	MR-2 0	Diving 19
USS OAK HILL 19	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 18	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP recovers number 3 engine.
- DIANE G put on standby.
- All units on safety stand down.
- PIROUETTE continues ROV operations.
- GRAPPLE continues ROV operations.

Monday, 12 August 1996

CUMULATIVE OPERATING DAYS:

26

Operating days by platform and mission:

USS GRASP 22	USS GRAPPLE 15	M/V PIROUETTE 25	M/V MARION C 0	MOBILE TEAMS
Dive ops 19	Dive Ops 13	Side scan 9	Side scan 0	On Scene 24
MR-1 19	Deep Drone 14	MR-2 16	MR-2 0	Diving 20
USS OAK HILL 20	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 19	CH-46 loads 0		

SIGNIFICANT EVENTS:

- All units commence dive operations.
- All vessels secured dive and ROV operations late afternoon due to weather.

Tuesday, 13 August 1996

CUMULATIVE OPERATING DAYS:

27

Operating days by platform and mission:

USS GRASP 23	USS GRAPPLE 16	M/V PIROUETTE 26	M/V MARION C 0	MOBILE TEAMS
Dive ops 19	Dive Ops 13	Side scan 9	Side scan 0	On Scene 25
MR-1 19	Deep Drone 14	MR-2 17	MR-2 0	Diving 20
USS OAK HILL 21	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 20	CH-46 loads 0		

SIGNIFICANT EVENTS:

- All dive operations secured due to weather.
- M/V PIROUETTE in port for resupply.

Wednesday, 14 August 1996

CUMULATIVE OPERATING DAYS:

28

Operating days by platform and mission:

USS GRASP 24	USS GRAPPLE 17	M/V PIROUETTE 27	M/V MARION C 0	MOBILE TEAMS
Dive ops 20	Dive Ops 14	Side scan 9	Side scan 0	On Scene 26
MR-1 20	Deep Drone 15	MR-2 17	MR-2 0	Diving 21
USS OAK HILL 22	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 22	CH-46 loads 0		

SIGNIFICANT EVENTS:

- All units commenced dive operations.

Thursday, 15 August 1996
 CUMULATIVE OPERATING DAYS:
29

Operating days by platform and mission:

USS GRASP 25	USS GRAPPLE 18	M/V PIROUETTE 28	M/V MARION C 0	MOBILE TEAMS
Dive ops 21	Dive Ops 15	Side scan 9	Side scan 0	On Scene 27
MR-1 21	Deep Drone 16	MR-2 18	MR-2 0	Diving 22
USS OAK HILL 23	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 24	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations, recovered number 4 engine and wing landing gear.
- PIROUETTE continues ROV operations and supporting dive teams.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Friday, 16 August 1996
 CUMULATIVE OPERATING DAYS:
30

Operating days by platform and mission:

USS GRASP 26	USS GRAPPLE 19	M/V PIROUETTE 29	M/V MARION C 0	MOBILE TEAMS
Dive ops 22	Dive Ops 16	Side scan 9	Side scan 0	On Scene 28
MR-1 22	Deep Drone 17	MR-2 19	MR-2 0	Diving 23
USS OAK HILL 24	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 25	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams. ROV recovering small debris.
- GRAPPLE continues ROV and dive operations, recovered large fuselage section
- Mobile dive teams continuing dive operations.

Saturday, 17 August 1996
CUMULATIVE OPERATING DAYS:

31

Operating days by platform and mission:

USS GRASP 27	USS GRAPPLE 20	M/V PIROUETTE 30	M/V MARION C 0	MOBILE TEAMS
Dive ops 23	Dive Ops 17	Side scan 9	Side scan 0	On Scene 29
MR-1 23	Deep Drone 18	MR- 2 20	MR-2 0	Diving 24
USS OAK HILL 25	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 26	CH-46 loads 0		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams. ROV recovering small debris.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Sunday, 18 August 1996
CUMULATIVE OPERATING DAYS:

32

Operating days by platform and mission:

USS GRASP 28	USS GRAPPLE 21	M/V PIROUETTE 31	M/V MARION C 0	MOBILE TEAMS
Dive ops 24	Dive Ops 18	Side scan 9	Side scan 0	On Scene 30
MR-1 24	Deep Drone 19	MR-2 21	MR-2 0	Diving 25
USS OAK HILL 26	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 27	CH-46 loads 4		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams. ROV recovering small debris.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Monday, 19 August 1996

CUMULATIVE OPERATING DAYS:

33

Operating days by platform and mission:

USS GRASP 29	USS GRAPPLE 22	M/V PIROUETTE 32	M/V MARION C 0	MOBILE TEAMS
Dive ops 25	Dive Ops 19	Side scan 9	Side scan 0	On Scene 31
MR-1 25	Deep Drone 20	MR-2 22	MR-2 0	Diving 26
USS OAK HILL 27	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 28	CH-46 loads 5		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams. ROV recovering small debris.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Tuesday, 20 August 1996

CUMULATIVE OPERATING DAYS:

34

Operating days by platform and mission:

USS GRASP 30	USS GRAPPLE 23	M/V PIROUETTE 33	M/V MARION C 0	MOBILE TEAMS
Dive ops 26	Dive Ops 20	Side scan 9	Side scan 0	On Scene 32
MR-1 26	Deep Drone 21	MR-2 23	MR-2 0	Diving 27
USS OAK HILL 28	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 29	CH-46 loads 8		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams. ROV recovering small debris.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Wednesday, 21 August 1996

CUMULATIVE OPERATING DAYS:

35

Operating days by platform and mission:

USS GRASP 31	USS GRAPPLE 24	M/V PIROUETTE 34	M/V MARION C 0	MOBILE TEAMS
Dive ops 27	Dive Ops 21	Side scan 9	Side scan 0	On Scene 33
MR-1 27	Deep Drone 22	MR-2 24	MR-2 0	Diving 28
USS OAK HILL 29	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 30	CH-46 loads 10		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams. ROV recovering small debris.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing diving operations.
- GRASP, GRAPPLE and Mobile Teams canceled dive operations late in the day due to weather.

Thursday, 22 August 1996

CUMULATIVE OPERATING DAYS:

36

Operating days by platform and mission:

USS GRASP 32	USS GRAPPLE 25	M/V PIROUETTE 35	M/V MARION C 0	MOBILE TEAMS
Dive ops 28	Dive Ops 22	Side scan 9	Side scan 0	On Scene 34
MR-1 28	Deep Drone 23	MR-2 25	MR-2 0	Diving 29
USS OAK HILL 30	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 30	CH-46 loads 12		

SIGNIFICANT EVENTS:

- GRASP commenced ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams. ROV recovering small debris.
- GRAPPLE commenced ROV and dive operations.
- Mobile dive teams commenced dive operations.

Friday, 23 August 1996

CUMULATIVE OPERATING DAYS:

37

Operating days by platform and mission:

USS GRASP 33	USS GRAPPLE 26	M/V PIROUETTE 36	M/V MARION C 0	MOBILE TEAMS
Dive ops 29	Dive Ops 23	Side scan 9	Side scan 0	On Scene 35
MR-1 29	Deep Drone 24	MR-2 26	MR-2 0	Diving 30
USS OAK HILL 31	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 31	CH-46 loads 14		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams. ROV recovering small debris.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Saturday, 24 August 1996

CUMULATIVE OPERATING DAYS:

38

Operating days by platform and mission:

USS GRASP 34	USS GRAPPLE 27	M/V PIROUETTE 37	M/V MARION C 0	MOBILE TEAMS
Dive ops 30	Dive Ops 24	Side scan 9	Side scan 0	On Scene 36
MR-1 30	Deep Drone 25	MR-2 27	MR-2 0	Diving 31
USS OAK HILL 32	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 32	CH-46 loads 14		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE continues ROV operations and supporting dive teams. ROV recovering small debris.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continue dive operations.

Sunday, 25 August 1996

CUMULATIVE OPERATING DAYS:

39

Operating days by platform and mission:

USS GRASP 35	USS GRAPPLE 28	M/V PIROUETTE 38	M/V MARION C 0	MOBILE TEAMS
Dive ops 31	Dive Ops 25	Side scan 10	Side scan 0	On Scene 37
MR-1 31	Deep Drone 26	MR-2 27	MR-2 0	Diving 32
USS OAK HILL 33	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 32	CH-46 loads 14		

SIGNIFICANT EVENTS:

- GRASP continues ROV and dive operations.
- PIROUETTE commences SSS investigation of targets reported by local fisherman in an area approximately 14 miles to the east of primary search areas. Negative results.
- GRAPPLE continues ROV and dive operations.
- Mobile dive teams continuing dive operations.

Monday, 26 August 1996

CUMULATIVE OPERATING DAYS:

40

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 29	M/V PIROUETTE 39	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 26	Side scan 11	Side scan 0	On Scene 38
MR-1 32	Deep Drone 27	MR-2 27	MR-2 0	Diving 33
USS OAK HILL 34	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 34	CH-46 loads 14		

SIGNIFICANT EVENTS:

- GRASP secured ROV and dive operations, tripped out of moor and began preparations to depart the area AM 27 August.
- GRAPPLE repositioned to Debris Field #2 and continued ROV and dive operations.
- PIROUETTE commences SSS in Debris Field #3.
- Mobile dive teams continuing dive operations.

Tuesday, 27 August 1996
CUMULATIVE OPERATING DAYS:

41

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 30	M/V PIROUETTE 40	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 27	Side scan 12	Side scan 0	On Scene 39
MR-1 32	Deep Drone 28	MR-2 28	MR-2 0	Diving 34
USS OAK HILL 35	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 35	CH-46 loads 17		

SIGNIFICANT EVENTS:

- GRASP released and departed the area for Little Creek, VA.
- GRAPPLE completes recovery operations in Debris Field #2.
- PIROUETTE continues SSS in Debris Field #3.
- Mobile dive teams continuing dive operations.

Wednesday, 28 August 1996
CUMULATIVE OPERATING DAYS:

42

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 31	M/V PIROUETTE 41	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 28	Side scan 13	Side scan 0	On Scene 40
MR-1 32	Deep Drone 29	MR-2 28	MR-2 0	Diving 35
USS OAK HILL 36	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 35	CH-46 loads 19		

SIGNIFICANT EVENTS:

- GRAPPLE repositioned to Debris Field #1 and commences ROV and dive operations.
- PIROUETTE completed SSS in Debris Field #3. Departed area for port to accomplish resupply.
- Mobile dive teams continuing dive operations.

Thursday 29 August 1996
CUMULATIVE OPERATING DAYS:

43

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 32	M/V PIROUETTE 42	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 29	Side scan 13	Side scan 0	On Scene 41
MR-1 32	Deep Drone 30	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 37	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 36	CH-46 loads 21		

SIGNIFICANT EVENTS:

- GRAPPLE continues ROV and dive operations.
- PIROUETTE in port to accomplish resupply.
- Mobile dive teams continuing dive operations.

Friday, 30 August 1996
CUMULATIVE OPERATING DAYS:

44

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 33	M/V PIROUETTE 43	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 30	Side scan 14	Side scan 0	On Scene 42
MR-1 32	Deep Drone 31	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 38	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 37	CH-46 loads 24		

SIGNIFICANT EVENTS:

- GRAPPLE conducting ROV and dive operations.
- PIROUETTE returned from resupply and completed SSS in southern end of Debris Field #1
- Mobile dive teams secured due to weather.

Saturday, 31 August 1996
CUMULATIVE OPERATING DAYS:

45

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 34	M/V PIROUETTE 44	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 30	Side scan 14	Side scan 0	On Scene 43
MR-1 32	Deep Drone 31	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 39	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 37	CH-46 loads 25		

SIGNIFICANT EVENTS:

- All offshore operations secured due to weather.
- OAK HILL, GRAPPLE and PIROUETTE underway for Staten Island NY for Hurricane Eduoard avoidance.
- Mobile dive teams secured due to weather.
- All shore units commenced making hurricane preparations.

Sunday, 1 September 1996
CUMULATIVE OPERATING DAYS:

46

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 35	M/V PIROUETTE 45	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 30	Side scan 14	Side scan 0	On Scene 44
MR-1 32	Deep Drone 31	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 40	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 37	CH-46 loads 25		

SIGNIFICANT EVENTS:

- All shore unit equipment relocated to hangers at Calverton for hurricane shelter.

Monday, 2 September 1996
CUMULATIVE OPERATING DAYS:

47

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 36	M/V PIROUETTE 46	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 30	Side scan 14	Side scan 0	On Scene 45
MR-1 32	Deep Drone 31	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 41	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 37	CH-46 loads 25		

SIGNIFICANT EVENTS:

- All shore unit equipment relocated back to Moriches.
- OAK HILL, GRAPPLE and PIROUETTE arrive on site.
- PIROUETTE commenced SSS of Debris Field #1 to determine good location for GRAPPLE.

Tuesday, 3 September 1996
CUMULATIVE OPERATING DAYS:

48

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 37	M/V PIROUETTE 47	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 31	Side scan 15	Side scan 0	On Scene 46
MR-1 32	Deep Drone 32	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 42	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 37	CH-46 loads 25		

SIGNIFICANT EVENTS:

- GRAPPLE moored in Debris Field #1 on coordinates provided by PIROUETTE. and commenced ROV and Dive operations.
- PIROUETTE continuing SSS of Debris Field #1.
- Mobile dive teams secured due to weather.

Wednesday, 4 September 1996

CUMULATIVE OPERATING DAYS:

49

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 38	M/V PIROUETTE 48	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 32	Side scan 16	Side scan 0	On Scene 47
MR-1 32	Deep Drone 32	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 43	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 37	CH-46 loads 25		

SIGNIFICANT EVENTS:

- GRAPPLE secured ROV and dive operations due to heavy swell surges and very poor (<6").
- PIROUETTE continuing SSS of Debris Field #1.

Thursday, 5 September 1996

CUMULATIVE OPERATING DAYS:

50

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 39	M/V PIROUETTE 49	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 33	Side scan 17	Side scan 0	On Scene 48
MR-1 32	Deep Drone 32	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 44	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 37	CH-46 loads 25		

SIGNIFICANT EVENTS:

- GRAPPLE ROV operations still secured due to heavy swell surges and very poor (<6"). Commenced Dive operations but secured after three dives for same reasons. Minimum debris recovered.
- PIROUETTE completed SSS of Debris Field #1. Commenced SSS of expanded Debris Field #3 (+ .5 NM East/West and +.75 NM South).

Friday, 6 September 1996
CUMULATIVE OPERATING DAYS:

51

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 40	M/V PIROUETTE 50	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 34	Side scan 18	Side scan 0	On Scene 49
MR-1 32	Deep Drone 33	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 45	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 37	CH-46 loads 25		

SIGNIFICANT EVENTS:

- GRAPPLE commenced ROV and dive operations and recovered small amount of debris. Repositioned vessel in moor.
- PIROUETTE continuing SSS of expanded Debris Field #3.
- Moriches inlet closed by U.S. Coast Guard.
- Mobile dive teams secured due to weather.

Saturday, 7 September 1996
CUMULATIVE OPERATING DAYS:

52

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 41	M/V PIROUETTE 51	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 34	Side scan 19	Side scan 0	On Scene 50
MR-1 32	Deep Drone 33	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 46	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 37	CH-46 loads 25		

SIGNIFICANT EVENTS:

- GRAPPLE secured ROV and dive operations due to heavy weather.
- PIROUETTE departed area for shelter from high seas.
- Mobile dive teams secured due to weather.

Sunday, 8 September 1996
CUMULATIVE OPERATING DAYS:

53

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 42	M/V PIROUETTE 52	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 35	Side scan 20	Side scan 0	On Scene 51
MR-1 32	Deep Drone 34	MR-2 28	MR-2 0	Diving 36
USS OAK HILL 47	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 38	CH-46 loads 25		

SIGNIFICANT EVENTS:

- GRAPPLE commenced ROV and dive operations with visibility of five feet.
- PIROUETTE returned and commenced high resolution SSS of a special Debris Field identified by the FBI.
- Mobile dive teams secured due to weather.

Monday, 9 September 1996
CUMULATIVE OPERATING DAYS:

54

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 43	M/V PIROUETTE 53	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 36	Side scan 21	Side scan 0	On Scene 52
MR-1 32	Deep Drone 35	MR-2 28	MR-2 0	Diving 37
USS OAK HILL 48	USS TRENTON 0	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 39	CH-46 loads 26		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations. Visibility improving.
- PIROUETTE continuing high resolution SSS of a special Debris Field. Progress slow due to moderate seas effecting sea keeping ability. Changed out hard drive in ISIS computer.
- Mobile dive teams commenced dive operations in Debris Fields #1 and #3.

Tuesday, 10 September 1996

CUMULATIVE OPERATING DAYS:

55

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 44	M/V PIROUETTE 54	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 37	Side scan 22	Side scan 0	On Scene 53
MR-1 32	Deep Drone 36	MR-2 28	MR-2 0	Diving 38
USS OAK HILL 49	USS TRENTON 1	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 40	CH-46 loads 26		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations. Visibility continues to improve. Human remains recovered.
- PIROUETTE continuing high resolution SSS of a special Debris Field.
- USS TRENTON (LPD-14) arrived on station to relieve USS OAK HILL.
- USS OAK HILL detached and departs for Little Creek, VA
- Mobile dive teams continue dive operations in Debris Fields #1 and #3.

Wednesday, 11 September 1996

CUMULATIVE OPERATING DAYS:

56

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 45	M/V PIROUETTE 55	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 38	Side scan 23	Side scan 0	On Scene 54
MR-1 32	Deep Drone 37	MR-2 29	MR-2 0	Diving 39
USS OAK HILL 49	USS TRENTON 2	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 42	CH-46 loads 26		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations. Visibility continues to improve.
- PIROUETTE completes high resolution SSS of a special Debris Field. Commenced ROV operations investigating targets in southeast section of Debris Field #3 with negative results.
- Mobile dive teams continue dive operations in Debris Fields #1 and #3.

Thursday, 12 September 1996

CUMULATIVE OPERATING DAYS:

57

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 46	M/V PIROUETTE 56	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 39	Side scan 23	Side scan 0	On Scene 55
MR-1 32	Deep Drone 38	MR-2 30	MR-2 0	Diving 39
USS OAK HILL 49	USS TRENTON 3	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 43	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations. Visibility continues to improve. Secured ROV and dive operations due to weather.
- PIROUETTE continuing ROV operations in Debris Field #3 with some wreckage identified. High seas forced securing of ROV operations. Vessel parted forward anchor wire and damaged windless. Vessel released for transit to Atlantic City, NJ to effect equipment transfer with M/V MARION C.
- Mobile dive teams secured dive operations due to heavy weather.

Friday, 13 September 1996

CUMULATIVE OPERATING DAYS:

58

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 47	M/V PIROUETTE 57	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 39	Side scan 23	Side scan 0	On Scene 56
MR-1 32	Deep Drone 38	MR-2 30	MR-2 0	Diving 39
USS OAK HILL 49	USS TRENTON 4	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 44	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE departed area for safe haven in Staten Island, NY from Hurricane Hortense and moderate North Easter.
- PIROUETTE effecting equipment transfer with M/V MARION C in Atlantic City, NJ.
- TRENTON departed area for safe haven in Staten Island, NY from Hurricane Hortense and moderate North Easter.
- Mobile dive teams secured dive operations due to heavy weather.

Saturday, 14 September 1996

CUMULATIVE OPERATING DAYS:

59

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 48	M/V PIROUETTE 57	M/V MARION C 0	MOBILE TEAMS
Dive ops 32	Dive Ops 39	Side scan 23	Side scan 0	On Scene 57
MR-1 32	Deep Drone 38	MR-2 30	MR-2 0	Diving 39
USS OAK HILL 49	USS TRENTON 5	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 44	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE in safe haven in Staten Island, NY for hurricane evasion.
- MARION C completing equipment transfer with PIROUETTE.
- TRENTON in safe haven in Staten Island, NY for hurricane evasion.
- Mobile dive teams secured dive operations due to heavy weather.

Sunday, 15 September 1996

CUMULATIVE OPERATING DAYS:

60

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 49	M/V PIROUETTE 57	M/V MARION C 1	MOBILE TEAMS
Dive ops 32	Dive Ops 39	Side scan 23	Side scan 0	On Scene 58
MR-1 32	Deep Drone 38	MR-2 30	MR-2 0	Diving 39
USS OAK HILL 49	USS TRENTON 6	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 44	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE underway at 1100. Returned to site, moored in Debris Field #1 and commenced ROV and dive operations at approximately 2200.
- MARION C underway in late PM enroute to Debris Field #3.
- TRENTON returned to site to continue support services.
- Mobile dive teams secured dive operations due to heavy weather.

Monday, 16 September 1996

CUMULATIVE OPERATING DAYS:

61

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 50	M/V PIROUETTE 57	M/V MARION C 2	MOBILE TEAMS
Dive ops 32	Dive Ops 40	Side scan 23	Side scan 1	On Scene 59
MR-1 32	Deep Drone 38	MR-2 30	MR-2 0	Diving 40
USS OAK HILL 49	USS TRENTON 7	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 45	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations.
- MARION C commenced SSS of newly expanded Debris Field #3.
- Mobile dive teams commenced dive operations in Debris Field #1.

Tuesday, 17 September 1996

CUMULATIVE OPERATING DAYS:

62

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 51	M/V PIROUETTE 57	M/V MARION C 3	MOBILE TEAMS
Dive ops 32	Dive Ops 41	Side scan 23	Side scan 1	On Scene 60
MR-1 32	Deep Drone 39	MR-2 30	MR-2 0	Diving 40
USS OAK HILL 49	USS TRENTON 8	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 45	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE secured ROV and dive operations in early AM due to high winds and increasing seas.
- MARION C secured SSS and anchored to ride out heavy weather.
- Mobile dive teams secured dive operations.

Wednesday, 18 September 1996

CUMULATIVE OPERATING DAYS:

63

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 52	M/V PIROUETTE 57	M/V MARION C 4	MOBILE TEAMS
Dive ops 32	Dive Ops 41	Side scan 23	Side scan 1	On Scene 61
MR-1 32	Deep Drone 39	MR-2 30	MR-2 0	Diving 40
USS OAK HILL 49	USS TRENTON 9	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 45	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE riding out heavy weather.
- MARION C anchored to ride out heavy weather.
- Mobile dive teams secured dive operations.

Thursday, 19 September 1996

CUMULATIVE OPERATING DAYS:

64

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 53	M/V PIROUETTE 57	M/V MARION C 5	MOBILE TEAMS
Dive ops 32	Dive Ops 42	Side scan 23	Side scan 2	On Scene 62
MR-1 32	Deep Drone 40	MR-2 30	MR-2 0	Diving 41
USS OAK HILL 49	USS TRENTON 10	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 46	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE commenced ROV and dive operations
- MARION C commenced SSS operations in Area #3.
- Mobile dive teams commenced dive operations.

Friday, 20 September 1996

CUMULATIVE OPERATING DAYS:

65

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 54	M/V PIROUETTE 57	M/V MARION C 6	MOBILE TEAMS
Dive ops 32	Dive Ops 43	Side scan 23	Side scan 3	On Scene 63
MR-1 32	Deep Drone 41	MR-2 30	MR-2 0	Diving 42
USS OAK HILL 49	USS TRENTON 11	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 47	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations
- MARION C continuing SSS operations in Area #3.
- Mobile dive teams continuing dive operations.

Saturday, 21 September 1996

CUMULATIVE OPERATING DAYS:

66

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 55	M/V PIROUETTE 57	M/V MARION C 7	MOBILE TEAMS
Dive ops 32	Dive Ops 44	Side scan 23	Side scan 4	On Scene 64
MR-1 32	Deep Drone 42	MR-2 30	MR-2 0	Diving 43
USS OAK HILL 49	USS TRENTON 12	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 48	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations
- MARION C continuing SSS operations in Area #3.
- Mobile dive teams continuing dive operations.

Sunday, 22 September 1996

CUMULATIVE OPERATING DAYS:

67

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 56	M/V PIROUETTE 57	M/V MARION C 8	MOBILE TEAMS
Dive ops 32	Dive Ops 45	Side scan 23	Side scan 5	On Scene 65
MR-1 32	Deep Drone 43	MR-2 30	MR-2 0	Diving 44
USS OAK HILL 49	USS TRENTON 13	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 49	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations
- MARION C continuing SSS operations in Area #3.
- ABLE J research vessel with SSS on board arrived in area to assist in search of expanded Area #3.
- Mobile dive teams continuing dive operations.

Monday, 23 September 1996

CUMULATIVE OPERATING DAYS:

68

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 57	M/V PIROUETTE 57	M/V MARION C 9	MOBILE TEAMS
Dive ops 32	Dive Ops 46	Side scan 23	Side scan 6	On Scene 66
MR-1 32	Deep Drone 44	MR-2 30	MR-2 0	Diving 45
USS OAK HILL 49	USS TRENTON 14	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 49	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations. Shifted moor
- MARION C continuing SSS operations in Area #3.
- ABLE J research vessel commenced SSS in Area#3 at 2200.
- Mobile dive teams continuing dive operations in Areas #1 and #3.

Tuesday, 24 September 1996

CUMULATIVE OPERATING DAYS:

69

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 58	M/V PIROUETTE 57	M/V MARION C 10	MOBILE TEAMS
Dive ops 32	Dive Ops 47	Side scan 23	Side scan 7	On Scene 67
MR-1 32	Deep Drone 45	MR-2 30	MR-2 0	Diving 46
USS OAK HILL 49	USS TRENTON 15	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 50	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations.
- MARION C continuing SSS operations in Area #3.
- ABLE J continuing SSS in Area#3.
- Mobile dive teams continuing dive operations in Areas #1 and #3.

Wednesday, 25 September 1996

CUMULATIVE OPERATING DAYS:

70

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 59	M/V PIROUETTE 57	M/V MARION C 11	MOBILE TEAMS
Dive ops 32	Dive Ops 48	Side scan 23	Side scan 8	On Scene 68
MR-1 32	Deep Drone 46	MR-2 30	MR-2 0	Diving 46
USS OAK HILL 49	USS TRENTON 16	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 51	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations. LT. Devine, DMO fell over board during transfer operations with an LCM-8 and sustained a broken clavicle.
- MARION C secured SSS operations at 0100 and anchored due to weather. At 1700 proceeded to the assistance of a disabled 32 foot sport fisherman. Commenced SSS operations at 1800 in Area #3.
- ABLE J secured SSS in Area #3 at 0030. Commenced SSS operations at 1200 in Area #3.
- Mobile dive teams secured dive operations due to weather.

Thursday, 26 September 1996

CUMULATIVE OPERATING DAYS:

71

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 60	M/V PIROUETTE 57	M/V MARION C 12	MOBILE TEAMS
Dive ops 32	Dive Ops 49	Side scan 23	Side scan 9	On Scene 69
MR-1 32	Deep Drone 47	MR-2 30	MR-2 0	Diving 47
USS OAK HILL 49	USS TRENTON 17	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 52	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations. ROV had a broken shielded twisted pair in umbilical. Required about 2 hours to recover, shift to a spare pair and continue operations.
- MARION C Continued SSS operations in Area #3. Completed 45 of 46 lines in box.
- ABLE J Continuing SSS operations in Area #3.
- Mobile dive teams commenced dive operations.

Friday, 27 September 1996

CUMULATIVE OPERATING DAYS:

72

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 61	M/V PIROUETTE 57	M/V MARION C 13	MOBILE TEAMS
Dive ops 32	Dive Ops 50	Side scan 23	Side scan 10	On Scene 70
MR-1 32	Deep Drone 48	MR-2 30	MR-2 0	Diving 48
USS OAK HILL 49	USS TRENTON 18	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 53	CH-46 loads 29		

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations.
- MARION C Continued SSS operations in northern end of box. Completed 10 of 30 lines on 75 Meter scale on 50 Meter lines.
- ABLE J Secured SSS operations at 2000 due to weather and went to Shinnecock
- Mobile dive teams continued dive operations.

Saturday, 28 September 1996

CUMULATIVE OPERATING DAYS:

73

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	62	M/V PIROUETTE	57	M/V MARION C	14	MOBILE TEAMS	
Dive ops	32	Dive Ops	51	Side scan	23	Side scan	11	On Scene	71
MR-1	32	Deep Drone	49	MR-2	30	MR-2	0	Diving	48
USS OAK HILL	49	USS TRENTON	19	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	53	CH-46 loads	30				

SIGNIFICANT EVENTS:

- GRAPPLE continuing ROV and dive operations until 1800 than secured due to weather.
- MARION C Continued SSS operations in northern end of box until 1800 than secured due to weather. Completed total of 17 of 30 lines on 75 Meter scale on 50 Meter lines.
- ABLE J Continuing to await better weather in Shinnecock.
- Mobile dive teams secured dive operations due to weather.

Sunday, 29 September 1996

CUMULATIVE OPERATING DAYS:

74

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	63	M/V PIROUETTE	57	M/V MARION C	15	MOBILE TEAMS	
Dive ops	32	Dive Ops	52	Side scan	23	Side scan	12	On Scene	72
MR-1	32	Deep Drone	50	MR-2	30	MR-2	0	Diving	48
USS OAK HILL	49	USS TRENTON	20	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	53	CH-46 loads	30				

SIGNIFICANT EVENTS:

- GRAPPLE commenced ROV and dive operations at 0910.
- MARION C Commenced SSS operations in northern end of box at 1509. Completed total of 21 of 30 lines on 75 Meter scale on 50 Meter lines.
- ABLE J Underway from Shinnecock at 1115. Commenced SSS operations at 1251 in assigned area.
- Mobile dive teams secured dive operations due to weather.

Monday, 30 September 1996

CUMULATIVE OPERATING DAYS:

75

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 64	M/V PIROUETTE 57	M/V MARION C 16	MOBILE TEAMS
Dive ops 32	Dive Ops 53	Side scan 23	Side scan 13	On Scene 73
MR-1 32	Deep Drone 51	MR-2 30	MR-2 0	Diving 49
USS OAK HILL 49	USS TRENTON 21	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 31		

SIGNIFICANT EVENTS:

- GRAPPLE continued ROV and dive operations until 1400 than picked up moor and cleared area to the north to allow side scan operations in debris field.
- MARION C Continued SSS operations. Completed all lines on 75 Meter scale on 50 Meter lines at 2306. Commenced running lines on 37.5 Meter range scale on 20 Meter lines.
- ABLE J Continued SSS operations until 1030 than shifted to camera runs. Secured camera runs at 1410 and commenced SSS operations.
- Mobile dive teams commenced dive operations.

Tuesday, 1 October 1996
CUMULATIVE OPERATING DAYS:

76

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 65	M/V PIROUETTE 57	M/V MARION C 17	MOBILE TEAMS
Dive ops 32	Dive Ops 54	Side scan 23	Side scan 14	On Scene 74
MR-1 32	Deep Drone 51	MR-2 30	MR-2 0	Diving 50
USS OAK HILL 49	USS TRENTON 22	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 31		

SIGNIFICANT EVENTS:

- GRAPPLE anchored north of Area 1 to allow for side scan operations. GRAPPLE divers augmenting Mobile Dive Teams.
- MARION C Continued SSS operations. Completed 11 lines on 37.5 Meter range scale on 20 Meter lines. At 2000, as directed by SUPSALV, shifted operations to area of lines 54 to 83 (main debris field).
- ABLE J Continued SSS operations.
- Mobile dive teams continued dive operations.

Wednesday, 2 October 1996
CUMULATIVE OPERATING DAYS:

77

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 66	M/V PIROUETTE 57	M/V MARION C 18	MOBILE TEAMS
Dive ops 32	Dive Ops 55	Side scan 23	Side scan 15	On Scene 75
MR-1 32	Deep Drone 51	MR-2 30	MR-2 0	Diving 51
USS OAK HILL 49	USS TRENTON 23	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 32		

SIGNIFICANT EVENTS:

- GRAPPLE anchored north of Area 1 to allow for side scan operations. GRAPPLE divers augmenting Mobile Dive Teams.
- MARION C Continued SSS operations. To date completed total of 21 lines on 37.5 Meter range scale on 20 Meter lines.
- ABLE J Continued SSS operations.
- Mobile dive teams continued dive operations.

Thursday, 3 October 1996
CUMULATIVE OPERATING DAYS:

78

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 67	M/V PIROUETTE 57	M/V MARION C 19	MOBILE TEAMS
Dive ops 32	Dive Ops 55	Side scan 23	Side scan 16	On Scene 76
MR-1 32	Deep Drone 51	MR-2 30	MR-2 0	Diving 51
USS OAK HILL 49	USS TRENTON 24	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 33		

SIGNIFICANT EVENTS:

- GRAPPLE anchored north of Area 1 to allow for side scan operations.
- MARION C Continued SSS operations until 1400 than secured and anchored due to weather. To date completed total of 25 lines on 37.5 Meter range scale on 20 Meter lines.
- ABLE J Secured SSS operations at 0200 due to weather and proceeded to Shinnecock.
- Mobile dive teams secured dive operations due to weather.

Friday, 4 October 1996
CUMULATIVE OPERATING DAYS:

79

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 68	M/V PIROUETTE 57	M/V MARION C 20	MOBILE TEAMS
Dive ops 32	Dive Ops 55	Side scan 23	Side scan 17	On Scene 77
MR-1 32	Deep Drone 51	MR-2 30	MR-2 0	Diving 51
USS OAK HILL 49	USS TRENTON 25	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 33		

SIGNIFICANT EVENTS:

- GRAPPLE anchored north of Area 1 to allow for side scan operations.
- MARION C Commenced SSS operations at 1400. To date completed total of 30 lines on 37.5 Meter range scale on 20 Meter lines.
- ABLE J Underway at 1600. Commenced SSS operations but secured at 2000 due to weather. Will evaluate weather at dawn and commence operations if weather permits.
- Mobile dive teams secured dive operations due to weather.

Saturday, 5 October 1996
CUMULATIVE OPERATING DAYS:

80

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 69	M/V PIROUETTE 57	M/V MARION C 21	MOBILE TEAMS
Dive ops 32	Dive Ops 56	Side scan 23	Side scan 18	On Scene 78
MR-1 32	Deep Drone 51	MR-2 30	MR-2 0	Diving 52
le				
USS OAK HILL 49	USS TRENTON 26	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 34		

SIGNIFICANT EVENTS:

- GRAPPLE anchored north of Area 1 to allow for side scan operations. GRAPPLE divers augmenting Mobile Dive Teams.
- MARION C Continued SSS operations. To date completed total of 38 lines on 37.5 Meter range scale on 20 Meter lines.
- ABLE J Continued SSS operations.
- Mobile dive teams commenced dive operations.

Sunday, 6 October 1996

CUMULATIVE OPERATING DAYS:

81

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 70	M/V PIROUETTE 57	M/V MARION C 22	MOBILE TEAMS
Dive ops 32	Dive Ops 57	Side scan 23	Side scan 19	On Scene 79
MR-1 32	Deep Drone 52	MR-2 30	MR-2 0	Diving 53
USS OAK HILL 49	USS TRENTON 27	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 35		

SIGNIFICANT EVENTS:

- GRAPPLE anchored north of Area 1 to allow for side scan operations. GRAPPLE divers augmenting Mobile Dive Teams. At 2000 GRAPPLE layed two point moor over a multiple target area and DEEP DRONE commenced operations.
- MARION C Continued SSS operations. Shifted to 50 Khz system at 0900 and completed three lines, running line #60 twice. Shifted to 100/500Khz system at 2000 and continued operations. To date completed total of 45 lines on 37.5 Meter range scale on 20 Meter lines.
- ABLE J Continued SSS operations.
- Mobile dive teams continued dive operations.

Monday, 7 October 1996

CUMULATIVE OPERATING DAYS:

82

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 71	M/V PIROUETTE 57	M/V MARION C 23	MOBILE TEAMS
Dive ops 32	Dive Ops 58	Side scan 23	Side scan 20	On Scene 80
MR-1 32	Deep Drone 53	MR-2 30	MR-2 0	Diving 54
USS OAK HILL 49	USS TRENTON 28	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 36		

SIGNIFICANT EVENTS:

- GRAPPLE Continuing ROV and dive operations. GRAPPLE divers augmenting Mobile Dive Teams.
- MARION C Continued SSS operations. To date completed total of 53 lines on 37.5 Meter range scale on 20 Meter lines.
- ABLE J Continued SSS operations. Moved to the South end of main box to scan in two boxes assigned by NTSB based on radar projections.
- Mobile dive teams continued dive operations.

Tuesday, 8 October 1996

CUMULATIVE OPERATING DAYS:

83

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 72	M/V PIROUETTE 57	M/V MARION C 24	MOBILE TEAMS
Dive ops 32	Dive Ops 59	Side scan 23	Side scan 21	On Scene 81
MR-1 32	Deep Drone 54	MR-2 30	MR-2 0	Diving 55
USS OAK HILL 49	USS TRENTON 29	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 37		

SIGNIFICANT EVENTS:

- GRAPPLE Continuing ROV and dive operations. GRAPPLE divers augmenting Mobile Dive Teams. At 1538 secured all operations and made preparations to ride out Tropical Storm Josephine.
- MARION C Continued SSS operations. To date completed total of 53 lines on 37.5 Meter range scale on 20 Meter lines. At 0830 secured operations and departed for Greenport NY to refuel, provision and ride out weather.
- ABLE J Continued SSS operations. At 1035 secured operations and departed for Shinnecock to ride out weather.
- Mobile dive teams continued dive operations. At 1130 secured operations due to weather.

Wednesday, 9 October 1996

CUMULATIVE OPERATING DAYS:

84

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 73	M/V PIROUETTE 57	M/V MARION C 25	MOBILE TEAMS
Dive ops 32	Dive Ops 59	Side scan 23	Side scan 21	On Scene 82
MR-1 32	Deep Drone 54	MR-2 30	MR-2 0	Diving 55
USS OAK HILL 49	USS TRENTON 30	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 54	CH-46 loads 38		

SIGNIFICANT EVENTS:

- GRAPPLE Moored in Area #1 and commenced ROV operations at 1545 but had to secure due to "0" visibility on the bottom.
- MARION C Underway from Greenport at 2000 to return to operating area. To date completed 53 lines on 37.5 Meter range scale on 20 Meter lines.
- ABLE J Moored in Shinnecock.
- Mobile Dive Teams Secured operations due to weather.

Thursday, 10 October 1996

CUMULATIVE OPERATING DAYS:

85

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 74	M/V PIROUETTE 57	M/V MARION C 26	MOBILE TEAMS
Dive ops 32	Dive Ops 60	Side scan 23	Side scan 22	On Scene 83
MR-1 32	Deep Drone 55	MR-2 30	MR-2 0	Diving 56
USS OAK HILL 49	USS TRENTON 31	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 38		

SIGNIFICANT EVENTS:

- GRAPPLE Moored in Area #1 and commenced ROV operations at 1000. Commenced diving operations. Secured ROV operations at 2200 due to weather. At 2250 commenced ROV operations.
- MARION C Commenced SSS operations at 0600. To date completed 63 lines on 37.5 Meter range scale on 20 Meter lines.
- ABLE J Moored in Shinnecock.
- Mobile Dive Teams Commenced dive operations.

Friday, 11 October 1996
CUMULATIVE OPERATING DAYS:

86

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 75	M/V PIROUETTE 57	M/V MARION C 27	MOBILE TEAMS
Dive ops 32	Dive Ops 60	Side scan 23	Side scan 23	On Scene 84
MR-1 32	Deep Drone 56	MR-2 30	MR-2 0	Diving 57
USS OAK HILL 49	USS TRENTON 32	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 39		

SIGNIFICANT EVENTS:

- GRAPPLE Continued ROV operations. Diving operations secured due to weather.
- MARION C Continuing SSS operations. To date completed 73 lines on 37.5 Meter range scale on 20 Meter lines. Completed all lines North of GRAPPLE.
- ABLE J Underway from Shinnecock approximately 1300. Commenced SSS operations at 1500.
- Mobile Dive Teams Completed two dives and secured operations due to weather.

Saturday, 12 October 1996
CUMULATIVE OPERATING DAYS:

87

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 76	M/V PIROUETTE 57	M/V MARION C 28	MOBILE TEAMS
Dive ops 32	Dive Ops 61	Side scan 23	Side scan 24	On Scene 85
MR-1 32	Deep Drone 57	MR-2 30	MR-2 0	Diving 58
USS OAK HILL 49	USS TRENTON 33	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 39		

SIGNIFICANT EVENTS:

- GRAPPLE Continued ROV operations. Commenced dive operations. Recovered ROV at 0630 due to sonar problem. Launched at 1001. Recovered at 1055 and commenced ROV re-termination to correct sonar wire problems in umbilical.
- MARION C Continuing SSS operations. Completed all lines in Box 7. Commenced SSS of holidays in search grid.
- ABLE J Completed SSS operations and commenced camera runs at approximately 2330.
- Mobile Dive Teams Commenced dive operations.

Sunday, 13 October 1996

CUMULATIVE OPERATING DAYS:

88

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 77	M/V PIROUETTE 57	M/V MARION C 29	MOBILE TEAMS
Dive ops 32	Dive Ops 62	Side scan 23	Side scan 25	On Scene 86
MR-1 32	Deep Drone 58	MR-2 30	MR-2 0	Diving 59
USS OAK HILL 49	USS TRENTON 34	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 40		

SIGNIFICANT EVENTS:

- GRAPPLE Commenced ROV operations at 0120. Continued dive operations.
- MARION C Completed all SSS operations at 0400. Anchored in shore awaiting further tasking.
- ABLE J Completed all operations and departed area at approximately 1620.
- Mobile Dive Teams Continued dive operations.

Monday, 14 October 1996

CUMULATIVE OPERATING DAYS:

89

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 78	M/V PIROUETTE 57	M/V MARION C 30	MOBILE TEAMS
Dive ops 32	Dive Ops 63	Side scan 23	Side scan 25	On Scene 87
MR-1 32	Deep Drone 58	MR-2 30	MR-2 0	Diving 59
USS OAK HILL 49	USS TRENTON 35	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 40		

SIGNIFICANT EVENTS:

- GRAPPLE Commenced ROV operations at 0120. Secured dive operations due to weather.
- MARION C Moored over targets awaiting good weather to commence ROV operations.
- Mobile Dive Teams Secured dive operations due to weather.

Tuesday, 15 October 1996
CUMULATIVE OPERATING DAYS:

90

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 79	M/V PIROUETTE 57	M/V MARION C 31	MOBILE TEAMS
Dive ops 32	Dive Ops 63	Side scan 23	Side scan 25	On Scene 88
MR-1 32	Deep Drone 59	MR-2 30	MR-2 1	Diving 59
USS OAK HILL 49	USS TRENTON 36	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 40		

SIGNIFICANT EVENTS:

- GRAPPLE Continued ROV operations at 0120. Secured dive operations due to weather.
- MARION C Commenced ROV operations at 0900. Secured at 0930 due to poor visibility on bottom. Commenced ROV operations at 1245. Recovered at 1910. Launched at 2012.
- Mobile Dive Teams Secured dive operations due to weather.

Wednesday, 16 October 1996

CUMULATIVE OPERATING DAYS:

91

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 80	M/V PIROUETTE 57	M/V MARION C 32	MOBILE TEAMS
Dive ops 32	Dive Ops 63	Side scan 23	Side scan 25	On Scene 89
MR-1 32	Deep Drone 60	MR-2 30	MR-2 2	Diving 59
USS OAK HILL 49	USS TRENTON 37	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 40		

SIGNIFICANT EVENTS:

- GRAPPLE Continued ROV operations at 0120. Secured dive operations due to weather.
- MARION C Commenced ROV operations at 0900. Secured at 0930 due to poor visibility on bottom. Recovered ROV at 0100. Launched ROV at 1945.
- Mobile Dive Teams Secured dive operations due to weather.

Thursday, 17 October 1996

CUMULATIVE OPERATING DAYS:

92

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 81	M/V PIROUETTE 57	M/V MARION C 33	MOBILE TEAMS
Dive ops 32	Dive Ops 64	Side scan 23	Side scan 25	On Scene 90
MR-1 32	Deep Drone 61	MR-2 30	MR-2 3	Diving 61
USS OAK HILL 49	USS TRENTON 38	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE Continued ROV operations. Commenced dive operations.
- MARION C Continued ROV operations. Recovered at 0410. Launched at 0440. Recovered at 1101. Launched at 1150. Recovered at 1615. Launched at 1715. Recovered at 2035. Launched 2205. All launch and recoveries were for re-positioning vessel.
- Mobile Dive Teams Commenced dive operations.

Friday, 18 October 1996

CUMULATIVE OPERATING DAYS:

93

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 82	M/V PIROUETTE 57	M/V MARION C 34	MOBILE TEAMS
Dive ops 32	Dive Ops 64	Side scan 23	Side scan 25	On Scene 91
MR-1 32	Deep Drone 61	MR-2 30	MR-2 4	Diving 61
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE Secured ROV operations at 0540. Secured dive operations due to weather. Proceeded to Staten Island to refuel during weather break.
- MARION C Secured ROV operations at 0405 due to weather and proceeded to Greenport NY to re-supply during weather break.
- Mobile Dive Teams Secured dive operations due to weather.
- Trenton Released from operation and departed at 0900 for Little Creek.

Saturday, 19 October 1996

CUMULATIVE OPERATING DAYS:

94

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 83	M/V PIROUETTE 57	M/V MARION C 35	MOBILE TEAMS
Dive ops 32	Dive Ops 64	Side scan 23	Side scan 25	On Scene 92
MR-1 32	Deep Drone 61	MR-2 30	MR-2 4	Diving 61
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE In port a Staten Island NY.
- MARION C In port at Greenport NY.
- Mobile Dive Teams Secured dive operations due to weather.

Sunday, 20 October 1996

CUMULATIVE OPERATING DAYS:

95

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 84	M/V PIROUETTE 57	M/V MARION C 36	MOBILE TEAMS
Dive ops 32	Dive Ops 64	Side scan 23	Side scan 25	On Scene 93
MR-1 32	Deep Drone 61	MR-2 30	MR-2 4	Diving 61
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE Underway from Staten Island NY at 1500.
- MARION C Underway from Greenport NY at 1730.
- Mobile Dive Teams Secured dive operations due to weather.

Monday, 21 October 1996
CUMULATIVE OPERATING DAYS:

96

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 85	M/V PIROUETTE 57	M/V MARION C 37	MOBILE TEAMS
Dive ops 32	Dive Ops 64	Side scan 23	Side scan 25	On Scene 94
MR-1 32	Deep Drone 61	MR-2 30	MR-2 4	Diving 61
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE On station awaiting better weather.
- MARION C On station awaiting better weather.
- Mobile Dive Teams Dive operations still secured due to weather.

Tuesday, 22 October 1996
CUMULATIVE OPERATING DAYS:

97

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 86	M/V PIROUETTE 57	M/V MARION C 38	MOBILE TEAMS
Dive ops 32	Dive Ops 64	Side scan 23	Side scan 25	On Scene 95
MR-1 32	Deep Drone 61	MR-2 30	MR-2 4	Diving 61
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE On station awaiting better weather.
- MARION C On station awaiting better weather.
- Mobile Dive Teams Dive operations still secured due to weather.

Wednesday, 23 October 1996

CUMULATIVE OPERATING DAYS:

98

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 87	M/V PIROUETTE 57	M/V MARION C 39	MOBILE TEAMS
Dive ops 32	Dive Ops 64	Side scan 23	Side scan 23	On Scene 96
MR-1 32	Deep Drone 61	MR-2 30	MR-2 4	Diving 61
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE Tried ROV operations but secured due to bottom conditions. Departed area at 1541 for Naval Weapons Station Earl NJ to shift ROV systems with MARION C
- MARION C Tried ROV operations but secured due to bottom conditions. Departed area at 1530 for Naval Weapons Station Earl NJ to shift ROV systems with GRAPPLE and off load SSS systems.
- Mobile Dive Teams Dive operations still secured due to weather.

Thursday, 24 October 1996

CUMULATIVE OPERATING DAYS:

99

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 88	M/V PIROUETTE 57	M/V MARION C 40	MOBILE TEAMS
Dive ops 32	Dive Ops 64	Side scan 23	Side scan 25	On Scene 97
MR-1 32	Deep Drone 61	MR-2 30	MR-2 4	Diving 61
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE Moored a NWS Earl NJ shifting ROV systems. Departed for operations area at 1630 with MR-2 System on board.
- MARION C Moored at NWS Earl NJ shifting ROV systems. Loading Deep Drone System.
- Mobile Dive Teams Dive operations still secured due to weather.

Friday, 25 October 1996

CUMULATIVE OPERATING DAYS:

100

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 89	M/V PIROUETTE 57	M/V MARION C 41	MOBILE TEAMS
Dive ops 32	Dive Ops 65	Side scan 23	Side scan 25	On Scene 98
MR-1 32	MR-2 62	MR-2 30	Deep Drone 4	Diving 62
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE In operating area. Commenced ROV and Dive operations.
- MARION C Moored at NWS Earl NJ finishing load out Deep Drone.
- Mobile Dive Teams Commenced Dive operations.

Saturday, 26 October 1996

CUMULATIVE OPERATING DAYS:

101

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 90	M/V PIROUETTE 57	M/V MARION C 42	MOBILE TEAMS
Dive ops 32	Dive Ops 65	Side scan 23	Side scan 25	On Scene 99
MR-1 32	MR-2 63	MR-2 30	Deep Drone 4	Diving 63
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		

SIGNIFICANT EVENTS:

- GRAPPLE In operating area. Continued ROV and Dive operations.
- MARION C Underway from Earl NJ for operating area with Deep Drone aboard.
- Mobile Dive Teams Continued Dive operations.

Sunday, 27 October 1996

CUMULATIVE OPERATING DAYS:

102

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	91	M/V PIROUETTE	57	M/V MARION C	43	MOBILE TEAMS	
Dive ops	32	Dive Ops	66	Side scan	23	Side scan	25	On Scene	100
MR-1	32	MR-2	64	MR-2	30	Deep Drone	5	Diving	64
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				

SIGNIFICANT EVENTS:

- GRAPPLE Continued ROV and surface supplied & scuba Dive operations.
- MARION C Arrived on station and commenced ROV operations.
- Mobile Dive Teams Continued Dive operations.

Monday, 28 October 1996

CUMULATIVE OPERATING DAYS:

103

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	92	M/V PIROUETTE	57	M/V MARION C	44	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	101
MR-1	32	MR-2	65	MR-2	30	Deep Drone	6	Diving	64
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				

SIGNIFICANT EVENTS:

- GRAPPLE Continued ROV and surface supplied Dive operations.
- MARION C Continued ROV operations.
- Mobile Dive Teams Secured Dive operations due to weather.

Tuesday, 29 October 1996
CUMULATIVE OPERATING DAYS:

104

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	93	M/V PIROUETTE	57	M/V MARION C	45	MOBILE TEAMS	
Dive ops	32	Dive Ops	68	Side scan	23	Side scan	25	On Scene	102
MR-1	32	MR-2	66	MR-2	30	Deep Drone	7	Diving	65
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				

SIGNIFICANT EVENTS:

- GRAPPLE Continued ROV and surface supplied Dive operations.
- MARION C Continued ROV operations.
- Mobile Dive Teams Commenced Dive operations at 1300.

Wednesday, 30 October 1996
CUMULATIVE OPERATING DAYS:

105

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	94	M/V PIROUETTE	57	M/V MARION C	46	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	103
MR-1	32	MR-2	67	MR-2	30	Deep Drone	8	Diving	65
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				

SIGNIFICANT EVENTS:

- GRAPPLE Continued ROV operations. Dive operations secured due to weather. Secured ROV operations at 0217 due to weather.
- MARION C Continued ROV operations. Secured ROV operations at 1720. Proceeding to weather shelter in vicinity of Montauk Point.
- Mobile Dive Teams Secured Dive operations due to weather.

Thursday, 31 October 1996

CUMULATIVE OPERATING DAYS:

106

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	95	M/V PIROUETTE	57	M/V MARION C	47	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	104
MR-1	32	MR-2	67	MR-2	30	Deep Drone	8	Diving	65
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				

SIGNIFICANT EVENTS:

- GRAPPLE ROV and Dive operations secured due to weather.
- MARION C ROV operations secured due to weather.
- Mobile Dive Teams Secured Dive operations due to weather.

Friday, 1 November 1996
CUMULATIVE OPERATING DAYS:

107

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	48	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	105
MR-1	32	MR-2	67	MR-2	30	Deep Drone	9	Diving	66
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				

SIGNIFICANT EVENTS:

- GRAPPLE Released from operations and departed for Little Creek, VA at 0600.
- MARION C Commenced ROV operations at 0700.
- Mobile Dive Teams Commenced Dive operations. Secured at 1000 due to weather.

Saturday, 2 November 1996
CUMULATIVE OPERATING DAYS:

108

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	49	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	106
MR-1	32	MR-2	67	MR-2	30	Deep Drone	10	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				

SIGNIFICANT EVENTS:

- MARION C Continued ROV operations.
- Mobile Dive Teams Continued Dive operations. At 1200 all diving operations secured, completing the diving phase of this operation.
- Task Group 40.5 disestablished at 2400.

Sunday, 3 November 1996

CUMULATIVE OPERATING DAYS:

109

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	50	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	11	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				

SIGNIFICANT EVENTS:

- MARION C Continued ROV operations.
- Mobile Dive Teams Commenced packup and making preparations for departure.

Monday, 4 November 1996

CUMULATIVE OPERATING DAYS:

110

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	51	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	12	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	1	F/V CHRISTIAN & ALEXA	1						
Trawl ops	1	Trawl ops	1						

SIGNIFICANT EVENTS:

- MARION C Continued ROV operations.
- Mobile Dive Teams All teams departed for their respective commands.
- Trawl operations began at 0030 by F/V CHRISTIAN & ALEXA and at 0800 by F/V TRADITION in initial East/West box, area one.

Tuesday, 5 November 1996
CUMULATIVE OPERATING DAYS:

111

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	52	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	13	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	2	F/V CHRISTIAN & ALEXA	2						
Trawl ops	2	Trawl ops	2						

SIGNIFICANT EVENTS:

- MARION C Continued ROV operations.
- F/V CHRISTIAN & ALEXA Continuing operations in expanded East/West box.
- F/V TRADITION Continuing operations in expanded East/West box, area one.
- Off loaded debris by USCG 41 foot boat.

Wednesday, 6 November 1996

CUMULATIVE OPERATING DAYS:

112

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	3	F/V CHRISTIAN & ALEXA	3	LCM-8 loads	1				
Trawl ops	3	Trawl ops	3						

SIGNIFICANT EVENTS:

- MARION C Secured ROV operations at 1700. Released from operations and departed for NWS Earl NJ at 1720 to demobe all equipment.
- F/V CHRISTIAN & ALEXA Continuing operations in expanded East/West box, area one. At 0800 finished East/West runs and commenced North/South runs in area one.
- F/V TRADITION Continuing operations in expanded area one. At 0800 finished East/West runs and commenced North/South runs.
- LCM-8 off loaded all debris from both trawlers.

Thursday, 7 November 1996

CUMULATIVE OPERATING DAYS:

113

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	4	F/V CHRISTIAN & ALEXA	4	LCM-8 loads	1				
Trawl ops	4	Trawl ops	4						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA Continuing operations in expanded area one, conducting North/South runs. At 2345 departed area for Greenport, NY to evade weather, off load debris and changeout personnel.
- F/V TRADITION Continuing operations in expanded East/West box conducting North/South runs in area one.

Friday, 8 November 1996

CUMULATIVE OPERATING DAYS:

114

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	5	F/V CHRISTIAN & ALEXA	5	LCM-8 loads	1				
Trawl ops	5	Trawl ops	4						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA Moored in Greenport, NY to evade weather. Off loaded debris and rotated personnel.
- F/V TRADITION Continuing operations in area one, conducting North/South runs. Secured trawl at 2000 due to weather.

Saturday, 9 November 1996

CUMULATIVE OPERATING DAYS:

115

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	6	F/V CHRISTIAN & ALEXA	6	LCM-8 loads	1				
Trawl ops	6	Trawl ops	5						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA underway from Greenport, NY at 1200. Arrived on station at 1700 and commenced North/South trawl operations in Area 1.
- F/V TRADITION resumed operations at 0700 in Area 1.

Sunday, 10 November 1996

CUMULATIVE OPERATING DAYS:

116

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	7	F/V CHRISTIAN & ALEXA	7	LCM-8 loads	1				
Trawl ops	7	Trawl ops	6						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA continued trawl ops in area one. Due to high seas, transit to Shinnecock inlet to transfer sick FBI agent ashore.
- F/V TRADITION continued trawl ops in area one.

Monday, 11 November 1996

CUMULATIVE OPERATING DAYS:

117

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	
67									
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	8	F/V CHRISTIAN & ALEXA	8	LCM-8 loads	2				
Trawl ops	8	Trawl ops	7						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA continued trawl ops in area one
- F/V TRADITION continued trawl ops in area one.
- Transferred debris ashore via commercial LCM-8.
- Mobilized equipment aboard F/V ALPHA & OMEGA and KATHY ANN. FBI reps will embark AM 12 November. Will commence trawl of area three upon arrival.

Tuesday, 12 November 1996

CUMULATIVE OPERATING DAYS:

118

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	9	F/V CHRISTIAN & ALEXA	9	LCM-8 loads	2				
Trawl ops	9	Trawl ops	8						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA continued trawl ops in area one
- F/V TRADITION continued trawl ops in area one. Secured area one ops and commenced trawl in triangle area bounded by flight path, North edge of three and West edge of area one.

Wednesday, 13 November 1996

CUMULATIVE OPERATING DAYS:

119

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	10	F/V CHRISTIAN & ALEXA	10	LCM-8 loads	2				
Trawl ops	10	Trawl ops	9						
F/V KATHY ANN	1	F/V ALPHA & OMEGA	1						
Trawl ops	1	Trawl ops	1						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA continued trawl ops in area one
- F/V TRADITION continued trawl ops in triangle area.
- F/V ALPHA & OMEGA and KATHY ANN arrived 0000 and commenced area three. Alpha & Omega navigation system failed, will replace with PLGR and have them do triangle due to unique nav system.
- Reassign TRADITION to area three, along with KATHY ANN.

Thursday, 14 November 1996

CUMULATIVE OPERATING DAYS:

120

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	11	F/V CHRISTIAN & ALEXA	11	LCM-8 loads	3				
Trawl ops	11	Trawl ops	10						
F/V KATHY ANN	2	F/V ALPHA & OMEGA	2						
Trawl ops	2	Trawl ops	2						

SIGNIFICANT EVENTS:

- Briefed Chairman Hall and 18 staffers on USN support of the operation.
- FBI identified areas they desire to trawl
- F/V CHRISTIAN & ALEXA Continued trawl ops in area one
- F/V TRADITION Continued trawl ops in area three.
- F/V KATHY ANN continued trawl ops in area three.
- F/V ALPHA/OMEGA continued trawl ops in triangle.

Friday, 15 November 1996
CUMULATIVE OPERATING DAYS:

121

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	12	F/V CHRISTIAN & ALEXA	12	LCM-8 loads	3				
Trawl ops	12	Trawl ops	11						
F/V KATHY ANN	3	F/V ALPHA & OMEGA	3						
Trawl ops	3	Trawl ops	3						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA Continued trawl ops in area one.
- F/V TRADITION Continued trawl ops in area three.
- F/V KATHY ANN continued trawl ops in area three.
- ALPHA/OMEGA continued trawl ops in triangle.

Saturday, 16 November 1996

CUMULATIVE OPERATING DAYS:

121

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	13	F/V CHRISTIAN & ALEXA	13	LCM-8 loads	4				
Trawl ops	13	Trawl ops	12						
F/V KATHY ANN	4	F/V ALPHA & OMEGA	4						
Trawl ops	4	Trawl ops	4						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA Continued trawl ops in area one.
- F/V TRADITION Secured from trawl ops in area three, departed for New Bedford to repair cooling pump and reprovision.
- F/V KATHY ANN continued trawl ops in area three.
- F/V ALPHA & OMEGA completed trawl ops in triangle area shifted to area three.
- LCM-8 transported debris ashore.

Sunday, 17 November 1996

CUMULATIVE OPERATING DAYS:

122

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	14	F/V CHRISTIAN & ALEXA	14	LCM-8 loads	4				
Trawl ops	13	Trawl ops	13						
F/V KATHY ANN	5	F/V ALPHA & OMEGA	5						
Trawl ops	5	Trawl ops	5						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA completed trawl ops in area one, returning to port to reprovision and fuel.
- F/V TRADITION in port.
- F/V KATHY ANN continued trawl ops in area three.
- F/V ALPHA & OMEGA continued trawl ops in area three.

Monday, 18 November 1996
 CUMULATIVE OPERATING DAYS:
123

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 96	M/V PIROUETTE 57	M/V MARION C 53	MOBILE TEAMS
Dive ops 32	Dive Ops 67	Side scan 23	Side scan 25	On Scene 107
MR-1 32	MR-2 67	MR-2 30	Deep Drone 14	Diving 67
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		
F/V TRADITION 15	F/V CHRISTIAN & ALEXA 15	LCM-8 loads 4		
Trawl ops 13	Trawl ops 13			
F/V KATHY ANN 6	F/V ALPHA & OMEGA 6			
Trawl ops 6	Trawl ops 6			

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA in port to reprovision and fuel.
- F/V TRADITION in port for repairs and reprovision.
- F/V KATHY ANN continued trawl ops in area three.
- F/V ALPHA & OMEGA continued trawl ops in area three.

Tuesday, 19 November 1996
 CUMULATIVE OPERATING DAYS:
124

Operating days by platform and mission:

USS GRASP 36	USS GRAPPLE 96	M/V PIROUETTE 57	M/V MARION C 53	MOBILE TEAMS
Dive ops 32	Dive Ops 67	Side scan 23	Side scan 25	On Scene 107
MR-1 32	MR-2 67	MR-2 30	Deep Drone 14	Diving 67
USS OAK HILL 49	USS TRENTON 39	DIANE G 15	NOAAS RUDE 15	
	LCM-8 loads 55	CH-46 loads 41		
F/V TRADITION 16	F/V CHRISTIAN & ALEXA 16	LCM-8 loads 4		
Trawl ops 14	Trawl ops 13			
F/V KATHY ANN 7	F/V ALPHA & OMEGA 7			
Trawl ops 7	Trawl ops 7			

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA in port to reprovision and fuel.
- F/V TRADITION resumed trawl ops in area one.
- F/V KATHY ANN continued trawl ops in area three.
- F/V ALPHA & OMEGA continued trawl ops in area three.

Wednesday, 20 November 1996

CUMULATIVE OPERATING DAYS:

125

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	17	F/V CHRISTIAN & ALEXA	17	LCM-8 loads	5				
Trawl ops	15	Trawl ops	13						
F/V KATHY ANN	8	F/V ALPHA & OMEGA	8						
Trawl ops	8	Trawl ops	8						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA on station 1700 in new area F1.
- F/V TRADITION continuing trawl ops in area one.
- F/V KATHY ANN continued trawl ops in area three.
- F/V ALPHA & OMEGA continued trawl ops in area three.
- Miller Environmental Group, Inc LCM 8 made trip to site to gather evidence
- 1700 meeting at hanger to discuss plan for rest of month.
- Current plan is for ATT Vessel Globle Mariner to get underway tomorrow to arrive Friday to start cable survey.

Thursday 21 November 1996

CUMULATIVE OPERATING DAYS:

126

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	18	F/V CHRISTIAN & ALEXA	18	LCM-8 loads	5				
Trawl ops	16	Trawl ops	14						
F/V KATHY ANN	9	F/V ALPHA & OMEGA	9						
Trawl ops	9	Trawl ops	9						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling new area F1.
- F/V TRADITION continuing trawl ops in area one.
- F/V KATHY ANN continued trawl ops in area three.
- F/V ALPHA & OMEGA continued trawl ops in area three.
- Current plan is for ATT Vessel Globle Mariner to get underway tomorrow to arrive Friday to start cable survey.

Friday 22 November 1996

CUMULATIVE OPERATING DAYS:

127

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	19	F/V CHRISTIAN & ALEXA	19	LCM-8 loads	5				
Trawl ops	17	Trawl ops	15						
F/V KATHY ANN	10	F/V ALPHA & OMEGA	10						
Trawl ops	10	Trawl ops	10						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling new area F1.
- F/V TRADITION continuing trawl ops in area one.
- F/V KATHY ANN continued trawl ops in area three.
- F/V ALPHA & OMEGA continued trawl ops in area three.
- Current plan is for ATT Vessel Globle Mariner on station over cable late PM. Friday to start cable survey.

Saturday 23 November 1996

CUMULATIVE OPERATING DAYS:

128

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	20	F/V CHRISTIAN & ALEXA	20	LCM-8 Jenifer Lynn loads	6				
Trawl ops	18	Trawl ops	16						
F/V KATHY ANN	11	F/V ALPHA & OMEGA	11						
Trawl ops	11	Trawl ops	10						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling new area F1 and area three.
- F/V TRADITION continuing trawl ops in area one.
- F/V KATHY ANN continued trawl ops in area three.
- F/V ALPHA & OMEGA in port Greenport for minimum 24 hours for repairs and fueling.
- ATT Vessel Globle Mariner on station over cable.

SUNDAY 24 November 1996
CUMULATIVE OPERATING DAYS:

129

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	21	F/V CHRISTIAN & ALEXA	21	LCM-8 Jenifer Lynn loads	6				
Trawl ops	19	Trawl ops	17						
F/V KATHY ANN	12	F/V ALPHA & OMEGA	12						
Trawl ops	12	Trawl ops	10						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling Southern edge of new area F1. Christian and Alexa not moved to area three as planned both because her efforts are still productive in F1 and because Alpha and Omega II will soon be back on station in area three.
- F/V TRADITION continuing trawl ops in area one, making oblique runs to original patterns.
- F/V KATHY ANN continued trawl ops in area three in east west direction.
- F/V ALPHA & OMEGA underway 0900 from Greenport and back on station 1700 for east west runs in area three.
- ATT Vessel Globle Mariner on station over cable.

MONDAY 25 November 1996
CUMULATIVE OPERATING DAYS:

130

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	22	F/V CHRISTIAN & ALEXA	22	LCM-8 Jenifer Lynn loads	6				
Trawl ops	20	Trawl ops	18						
F/V KATHY ANN	13	F/V ALPHA & OMEGA	13						
Trawl ops	13	Trawl ops	11						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling Southern edge of new area F1.
- F/V TRADITION continuing trawl ops in area one, making oblique runs to original patterns.
- F/V KATHY ANN continued trawl ops in area three in east west direction.
- F/V ALPHA & OMEGA continued trawl ops in area three in east west direction.
- ATT Vessel Globle Mariner on station over cable and has been OK'd to pick up debris.
- ATT Vessel Debra Lee on station over cable for security.

TUESDAY 26 November 1996
CUMULATIVE OPERATING DAYS:

131

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	23	F/V CHRISTIAN & ALEXA	23	LCM-8 Jenifer Lynn loads	6				
Trawl ops	21	Trawl ops	19						
F/V KATHY ANN	14	F/V ALPHA & OMEGA	14						
Trawl ops	13	Trawl ops	12						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling Southern edge of new area F1.
- F/V TRADITION continuing trawl ops in area one, making oblique runs to original patterns.
- F/V KATHY ANN returns to port 2400 25 November 96 for reprovisioning, due back on station in 36 hours.
- F/V ALPHA & OMEGA continued trawl ops in area three in east west direction.
- ATT Vessel Globle Mariner on station over cable and has been OK'd to pick up debris.
- ATT Vessel Debra Lee on station over cable for security.
- All boat runs including MK 8 run cancelled due to weather.

Wednesday 27 November 1996

CUMULATIVE OPERATING DAYS:

132

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	24	F/V CHRISTIAN & ALEXA	24	LCM-8 Jenifer Lynn loads	6				
Trawl ops	22	Trawl ops	20						
F/V KATHY ANN	15	F/V ALPHA & OMEGA	15						
Trawl ops	13	Trawl ops	13						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling Southern edge of new area Fl.
- F/V TRADITION trawling north/south lines on eastern edge of expanded area three, due to weather conditions.
- F/V KATHY ANN returns to port 2400 25 November 96 for reprovisioning, due back on station 28 November 1996.
- F/V ALPHA & OMEGA continued trawl ops in area three in east west direction.
- ATT Vessel Globle Mariner on station over cable and has been OK'd to pick up debris.
- ATT Vessel Debra Lee on station over cable for security.
- All boat runs including MK 8 run cancelled due to weather.
- Received tentative OK from 00C2 to approach cable buffer lines to within 1000 meters.

Thursday 28 November 1996

CUMULATIVE OPERATING DAYS:

133

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	25	F/V CHRISTIAN & ALEXA	25	LCM-8 Jenifer Lynn loads	6				
Trawl ops	23	Trawl ops	21						
F/V KATHY ANN	16	F/V ALPHA & OMEGA	16						
Trawl ops	13	Trawl ops	14						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling Southern edge of new area F1, Moved to southern edge of cable buffer area at 0800.
- F/V TRADITION trawling north/south lines on eastern edge of expanded area three, due to weather conditions, Moved to Northern edge of cable buffer area at 0800.
- F/V KATHY ANN returns to port 2400 25 November 96 for reprovisioning, due back on station late PM 28 November 1996.
- F/V ALPHA & OMEGA continued trawl ops in area three in east west direction.
- ATT Vessel Globle Mariner on station over cable and has been OK'd to pick up debris, starting at 0800 this day begins role as safety vessel over the ATT cable, while Christian and Alexa and Tradition trawl paralell to the buffer and abreast of Mariner.
- ATT Vessel Debra Lee on station over cable for security.
- Conducted RIB run in Coast Guard RIB.
- Received E-Mail approval from 00C2 to begin trawling in cable buffer area, outside 200 yards.

Friday 29 November 1996
CUMULATIVE OPERATING DAYS:

134

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	26	F/V CHRISTIAN & ALEXA	26	LCM-8 Jenifer Lynn loads	7				
Trawl ops	24	Trawl ops	22						
F/V KATHY ANN	17	F/V ALPHA & OMEGA	17						
Trawl ops	14	Trawl ops	14						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling southern edge of eastern cable buffer area. Moved to western cable buffer area late PM.
- F/V TRADITION trawling Northern edge of eastern cable buffer area. Moved to northern edge of western buffer area late PM.
- F/V KATHY ANN back on station late 0200 29, 28 November 1996, completing east west lines in area three.
- F/V ALPHA & OMEGA trawls north south lines area three till 1100, detaches after Mike 8 (Jennifer Lynn) transfer of wreckage, to New Bedford Mass for reprovisioning. Due back Tuesday 3 December, at which time Tradition will detach for provisioning.
- ATT Vessel Globle Mariner detaches at 1700 28 Nov 96 for transit back to Baltimore. Mission complete: complete inspection of 400 meter wide cable lane with both sonar and roV (visual). Safety boat duties assumed by ATT Vessel Enterprise.
- ATT Vessel Debra Lee and Enterprise on station over cable for security.
- Conducted RIB run in Supsalv RIB.

Saturday 30 November 1996

CUMULATIVE OPERATING DAYS:

135

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	27	F/V CHRISTIAN & ALEXA	27	LCM-8 Jenifer Lynn loads	7				
Trawl ops	25	Trawl ops	23						
F/V KATHY ANN	18	F/V ALPHA & OMEGA	18						
Trawl ops	15	Trawl ops	14						

SIGNIFICANT EVENTS:

- F/V CHRISTIAN & ALEXA trawling southern edge of eastern cable buffer area. Moved to western cable buffer area late PM. Detached 1200 30 Nov 96 for both reprovisioning and storm evasion to Point Pleasant NJ. Due back on station 3 Dec 96.
- F/V TRADITION trawling Northern edge of eastern cable buffer area. Moved to northern edge of western buffer area late PM 29 Nov 96. Detached 1200 30 Nov 96 for both reprovisioning and storm evasion to New Bedford Mass. Due back on station 3 Dec 96.
- F/V KATHY ANN completing east west lines (AM) in area three, and north south lines (PM) in area three.
- F/V ALPHA & OMEGA reprovisioning New Bedford Mass. Due back Tuesday 3 Dec 96.
- Both F/V Tradition and F/V Christian/Alexa returned to port for reprovisioning two days early due to storm warning in area. All Trawlers are scheduled to be back on station 3 Dec 96.
- ATT Vessel Debra Lee and Enterprise on station over cable for security.
- Conducted RIB run in Coast Guard RIB.

Sunday 01 December 1996
CUMULATIVE OPERATING DAYS:

137

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	28	F/V CHRISTIAN & ALEXA	28	LCM-8 Jenifer Lynn loads	7				
Trawl ops	25	Trawl ops	23						
F/V KATHY ANN	19	F/V ALPHA & OMEGA	19						
Trawl ops	15	Trawl ops	14						

SIGNIFICANT EVENTS:

- IN SUMMARY ALL TRAWLERS HAVE RTP, TWO WILL RETURN TO OP AREA 3 DEC 96, AND TWO WILL RETURN TO OP AREA 4 DEC 96. ALL VESSELS HAVE RETURNED TO PORT FOR EITHER STORM EVASION OR REPROVISIONING. OP AREA CURRENTLY HAS 35 KNOT WINDS WITH FIVE TO EIGHT FOOT SEAS, PREDICTED TO INCREASE TO 40 KNOTS PM, WITH AVG 9 FOOT SEAS. THE FOLLOWING IS THE STATUS AND ETR ON STATION OF EACH ASSET:

- F/V TRADITION IN PORT NEW BEDFORD MASS, FOR REPROVISIONING AND STORM EVASION. ETR AM 4 DEC 96.
- F/V CHRISTIAN AND ALEXA IN PORT POINT PLEASANT NJ FOR REPROVISIONING AND STORM EVASION. ETR AM 4 DEC 96.
- F/V ALPHA AND OMEGA II IN PORT NEW BEDFORD MASS FOR REPROVISIONING. ETR AM 3 DEC 96.
- F/V KATHY ANN IN PORT POINT PLEASANT NJ FOR STORM EVASION. ETR AM 3 DEC 96.
- ATT/V ENTERPRISE AND ATT/V DEBRA LEE HAVE BOTH RETURNED TO PORT FOR STORM EVASION.

INTENTIONS: ESTIMATE THAT BOTH F/V ALPHA AND OMEGA II AND F/V KATHY ANN WILL BE BACK RUNNING LINES IN OP AREA 3 DEC 96. AREAS ONE AND TWO REMAIN FIRST PRIORITY, WHILE ATT CABLE BUFFER AREA BEING COMPLETED OUT TO 500 METERS TO TAKE ADVANTAGE OF ATT VESSEL SECURITY ASSETS. EXTENSION OF BUFFER ZONE OUT TO 500 YARDS ON ATT CABLE IS COMPLETE IN THE EASTERN ZONE AND 50 PERCENT COMPLETE IN WESTERN ZONE. DUE TO WEATHER, ESTIMATE COMPLETING THE WESTERN ZONE BUFFER IS NOW 5 DEC 96. ESTIMATE BOTH REPROVISIONING AND STORM EVASION WILL BE COMPLETE 4 DEC 96 AND ALL FOUR TRAWLERS WILL BE BACK ON STATION.

Monday 02 December 1996
CUMULATIVE OPERATING DAYS:

138

Operating days by platform and mission:

USS GRASP	36	USS GRAPPLE	96	M/V PIROUETTE	57	M/V MARION C	53	MOBILE TEAMS	
Dive ops	32	Dive Ops	67	Side scan	23	Side scan	25	On Scene	107
MR-1	32	MR-2	67	MR-2	30	Deep Drone	14	Diving	67
USS OAK HILL	49	USS TRENTON	39	DIANE G	15	NOAAS RUDE	15		
		LCM-8 loads	55	CH-46 loads	41				
F/V TRADITION	29	F/V CHRISTIAN & ALEXA	29	LCM-8 Jenifer Lynn loads	7				
Trawl ops	25	Trawl ops	23						
F/V KATHY ANN	20	F/V ALPHA & OMEGA	20						
Trawl ops	15	Trawl ops	14						

SIGNIFICANT EVENTS:

the following is the status and etr on station of each asset:

- F/V TRADITION in port New Bedford Mass, for reprovisioning and storm evasion. ETR am 4 Dec 96.
- F/V CHRISTIAN and ALEXA in Port Point Pleasant NJ for reprovisioning and storm evasion. ETR am 4 Dec 96.
- F/V ALPHA and OMEGA II in port New Bedford Mass for reprovisioning. ETR Am 3 Dec 96.
- F/V KATHY ANN in Port Point Pleasant NJ for storm evasion. ETR Am 3 Dec 96.
- ATT/V ENTERPRISE and ATT/V DEBRA LEE have both returned to port for storm evasion, ETR 3 Dec 96.

intentions: estimate that both F/V ALPHA and OMEGA II and F/V KATHY ANN will be back running lines in op area 3 Dec 96. areas one and two remain first priority, while ATT CABLE BUFFER area being completed out to 500 meters to take advantage of ATT VESSEL security assets. Extension of buffer zone out to 500 yards on att cable is complete in the eastern zone and 50 percent complete in western zone. Due to weather, estimate completing the western zone buffer is now 5 Dec 96. Estimate both reprovisioning and storm evasion will be complete 4 Dec 96 and all four trawlers will be back on station.