

**USS DEWERT (FFG-45)**  
**SEMAT II SHELL CONDITION ASSESSMENT**  
**SURVEY**  
**INTERIOR AREAS**



**PREPARED BY**  
**SUPERVISOR OF SHIPBUILDING CONVERSION**  
**AND**  
**REPAIR**  
**PORTSMOUTH, VIRGINIA**  
**03/07/02 TO 03/13/02**



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20 MARCH 2002  
Serial # 1697 BF-039

Q.E.D. Systems, Inc. was tasked by the Supervisor of Shipbuilding Conversion and Repair, USN (SPORT) Portsmouth, VA to conduct an Ultrasonic Thickness (U/T) Survey of specific locations on board USS DE WERT (FFG-45) during the period of 07 MARCH 2002 – MARCH 11 2002.

The survey was conducted by Francis J. (Joe) LaRock II.

Certified Level II on 21 DECEMBER 2001.

The instrument used was a Krautkramer Branson, Model DMS-2TC.

Serial Number:	00N3V8
Calibration Date:	22 February 2002
Probes Used:	TC 560 FH 2 E KBA 525

I have reviewed the results of the survey and approved of the findings. The discrepancies have been recorded on MAF's and are included in this report.

  
Francis J. LaRock  
Certified Level II  
9 MARCH 2001

# USS DE WERT (FFG-45)

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**USS DE WERT (FFG-45)**  
**SHELL CONDITION ASSESSMENT SURVEY, INTERIOR AREAS.**

A SEMAT II UNDERWATER HULL AND SUPPORTING STRUCTURE SURVEY OF INTERIOR AREAS WAS CONDUCTED ON BOARD **USS DE WERT (FFG-45)** FROM 03/07/02 TO 03/13/02 AT NAVAL STATION MAYPORT, JACKSONVILLE FLORIDA.

THE SURVEY WAS CONDUCTED IN ACCORDANCE WITH HULL STRUCTURE MRC 1102 USING A DELMHORST BD 2100 MOISTURE METER AND A KRAUTKRAMER BRANSON MODEL DM2TC ULTRASONIC TEST INSTRUMENT SERIAL NO.00NV8 CALIBRATION DUE DATE 02/22/02.THE PROBES USED WERE KRAUTKRAMER BRANSON'S TC/560, FH2E AND KBA 525.

THE MOST CRITICAL AREAS NOTED WERE THE HOLED STRINGERS IN THE MAIN ENGINE ROOM THE DETERIORATED STIFFENERS ON WEB FRAME (316) IN AMR 3. THE CORROSION IN THE FORWARD EDUCTOR ROOM AND THE THINNING TANK TOP / DECK IN THE A/C MACHINERY ROOM.

HISTORIC AREAS OF CORROSION ON **(FFG-7)** CLASS SHIPS WERE INSPECTED AND NOTED. REMOVAL OF HULL INSULATION IN SONAR COOLING AND IN AMR 2 UNDER THE HPAC WILL REDUCE CORROSION SIGNIFICANTLY.

THE SURVEY RESULTS SECTION CONTAINS A TABLE OF UNSATISFACTORY AREAS WITH THE (JSN'S) FROM THIS SURVEY AND (CSMP/JSN'S) PREVIOUSLY SUBMITTED. A MATERIAL CONDITION ANALYSIS FORM (MCA) WAS SUBMITTED FOR AREAS WHERE NO WORK WAS REQUIRED. THE FINAL SECTION CONTAINS A (FFG-7) CLASS STRUCTURAL MATRIX. THESE ARE SPACES LOCATED AT THE WATER LINE AND BELOW.

**USS DE WERT (FFG-45)**  
**UNSATISFACTORY AREAS**

LOCATION	AREA	RESULTS
5-368-01-E STEERING GEAR ROOM JSN-A357	STARBOARD SIDE, EDUCTOR SPACE FLANGE ON FIRST STRINGER OUTBOARD OF TANK SIDE AT BHD (368)	APPROXIMATELY 2 FT OF FLANGE ON FIRST STRINGER DETERIORATED
5-292-0-E AMR 3 JSN-A388	CENTER LINE, TRANSVERSE WEB FRAME 316	CORRODED HORIZONTAL AND VERTICAL STIFFENERS
5-292-0-E AMR 3 JSN-A393	BELOW SHAFT, AFT OF TRANSVERSE WEB FRAME (316)	APPROXIMATELY 40 SF OF SHELL IS CORRODED.
5-292-0-E AMR 3 JSN-A399	PORT SIDE, AFT OF NO. 4 SSDG ENCLOSURE, OUTBOARD AND BELOW POWER PANEL (3-319-2)	APPROXIMATELY 60 SF OF SHELL AND STRINGERS CORRODED AND PAINT SCALING.
5-292-0-E AMR 3 CSMP / JSN-P819	STARBOARD SIDE, BOTTOM SHELL LONGITUDINAL INBOARD OF JP-5 SERVICE TANK (1A) AND EXTENDS APPROXIMATELY 6 FT FWD OF TANK AFT.	APPROXIMATELY 8 FT OF LONGITUDINAL IS CORRODED.
5-250-0-E MER JSN-A390	PORT SIDE, AFT OF WEB FRAME (270) FROM MARGIN PLATE TO DECK LEVEL	1 <sup>ST</sup> , 2 <sup>ND</sup> , & 3 <sup>RD</sup> STRINGERS FROM MARGIN PLATE ARE HOLED
5-250-0-E MER JSN-A391	PORT SIDE, AFT OF WEB FRAME (270) FROM MARGIN PLATE TO DECK LEVEL	APPROXIMATELY 60 SF HEAVY PAINT SEPARATION AND CORROSION.
5-250-0-E MER JSN-A358	STARBOARD SIDE, BETWEEN BHD (250) AND WEB FRAME (278)	APPROXIMATELY 160 SF OF SATURATED INSULATION, CORROSION ON STRINGERS AND SHELL PLATE
5-212-0-E AMR 2 JSN-A365	PORT SIDE, FROM BHD (212) TO WEB FRAME (220) OUTBOARD AND BELOW HPAC	APPROXIMATELY 80 SF OF SATURATED INSULATION, PAINT SCALING AND RUST.
5-212-0-E AMR 2 JSN-A364	STARBOARD SIDE, NO.2 SSDG ENCLOSURE (5-226-1-E) BETWEEN BHD (226) AND NO. 2 LO TANK	APPROX 60 SF OF SURFACE RUST AND PAINT SEPARATION.
5-51-0-Q FORWARD EDUCTOR ROOM CSMP/JSN-P050 JSN-P052 JSN-P053 JSN-P054	ENTIRE BILGE AREA,	HOLED TRANSVERSE STIFFENER HOLED FIRST STRINGER CORRODED DECK SUPPORTS HOLED BHD STIFFENER
4-172-1-E FIRE PUMP ROOM JSN-A367	STARBOARD SIDE, BILGE POCKET	APPROX 30SF OF SURFACE RUST AND PAINT SEPERATION. DETERIORATED ZINC ANNODE
4-160-0-Q CHT JSN-A396	PORT BHD TANK TOP UNDER DRAIN FROM SEWAGE TRANSFER PUMP, INSIDE COAMING.	APPROX 6 SF OF SURFACE RUST AND PAINT SEPERATION.
4-140-0-Q SHIPS LAUNDRY JSN-A392	TRANSVERSE WEB FRAME (164) AT JUNCTION OF SHELL AND MARGIN PLATE	HOLED
4-140-0-Q SHIPS LAUNDRY JSN-A387	ENTIRE BILGE POCKET	APPROXIMATELY 60 SF OF HEAVY SURFACE RUST AND PAINT SCALING
4-100-0-E APU MACHINERY ROOM JSN-A348	STARBOARD SIDE, BETWEEN BHD'S (100) AND (108) BELOW POWER DISTRIBUTION PANELS 1 AND 2	APPROXIMATELY 30 SF OF HEAVY SURFACE RUST AND PAINT SCALING
4-48-1-Q SONAR COOLING ROOM JSN-A389	STARBOARD SIDE, SHELL	APPROX 100 SF OF SATURATED INSULATION AND CORROSION.

**USS DE WERT (FFG-45)**  
**UNSATISFACTORY AREAS**

3-140-1-L CLEANING GEAR LOCKER JSN-A394	DECK	DAMAGED TERRAZZO DECK, CORROSION ON SHELL
3-140-1-L CLEANING GEAR LOCKER JSN-A395	SHELL AND DECK	CORROSION
3-84-0-E A/C MACHINERY ROOM JSN-A366	PORT SIDE, TANK TOP / DECK BELOW A/C PLANT	TANK TOP / DECK IS THINNING

**USS DE WERT (FFG-45)**  
**STRUCTURAL INSPECTION**  
**SATISFACTORY AREAS**

LOCATION	AREA	MCA SUBMITTED
3-32-1-K	FLAMMABLE LIQUID STORAGE	YES
3-36-2-T	ESCAPE TRUNK	YES
3-40-2-A	STOREROOM	YES
3-46-1-A	SPECIAL CLOTHING STOREROOM	YES
3-48-2-A	MEDICAL STOREROOM	YES
3-53-2-A	STOREROOM	YES
3-56-0-A	DECK GEAR STOREROOM	YES
3-93-1-Q	CONVERTER ROOM	YES
3-100-0-1	CREW BERTHING	YES
3-100-1-L	CREW BERTHING	YES
3-113-0-L	WR/WC SHOWER	YES
3-140-1-L	PASSAGEWAY	YES
3-140-2-L	CREW LOUNGE	YES
3-144-0-L	CREW BERTHING	YES
3-154-1-Q	PIPING	YES
3-156-2-Q	PIPING	YES
3-180-2-C	SWITCH GEAR ROOM	YES
3-180-5-A	DRY PROVISIONS STORE ROOM	YES
3-196-2-A	SHIP'S STORE STOREROOM	YES
3-328-0-A	SUPPLY STOREROOM	YES
4-32-0-Q	SONAR EQUIPMENT ROOM	YES
4-48-2-L	P-WAY	YES
4-56-2-A	DECK STOWAGE	YES
4-56-0-M	SMALL ARMS MAG	YES
4-64-0-Q	MAGAZINE EQUIPMENT ROOM	YES
4-140-3-A	LAUNDRY STOREROOM	YES
4-152-1-A	STOREROOM	YES
5-180-0-E	AUXILIARY MACHINERY ROOM 1	YES
5-180-01-E	SSDG NO. 1 ENCLOSURE	YES
5-226-2-E	NO. 3 SSDG ENCLOSURE	YES
5-376-1-A	STOREROOM	YES
5-390-1-A	STOREROOM	YES

# MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP <b>USS DE WERT (FFG-45)</b>				
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC	APL		RIN N/L
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-368-01-E	WORK CENTER EM04	JSN A357	
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY			EOC
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED			.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON		
<b>1. DEPOT</b>  2. IMA  3. TECH ASSIST  4. SHIP'S FORCE  5. SFWL	1. IMMEDIATELY  2. PRIOR TO NEXT UNDERWAY  3. PRIOR TO NEXT DEPLOYMENT  <b>4. DURING POST DEPLOYMENT AVAILABILITY</b>	1. OPERATIONAL  2. NON-OPERATIONAL  <b>3. REDUCED CAPABILITY</b>  4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE	<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 200	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY	
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE	
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: STEERING GEAR ROOM (5-368-01-E) STBD SIDE</b>						
EDUCTOR SPACE, APPROXIMATELY 2 FT OF FLANGE ON FIRST STRINGER OUTBOARD OF TANK SIDE AT BHD (368)						
(8 X 4 T-BEAM)						
<b>RECOMMENDED REPAIRS:</b>						
RECOMMEND REPAIR ACTIVITY CUT OUT AND REPLACE APPROXIMATELY 2 FT OF (8 X 4 T-BEAM), PRIME AND PRESERVE AREAS EXPOSED BY REMOVAL AND REPAIR						
.						
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>						
<b>CSMP SUMMARY:</b> STRINGER FLANGE DETERIORATED					<b>TEST#</b> 1102/1	
<b>ROOT CAUSE/AMPLIFICATION:</b> H1					<b>STEP#</b> 1, 2, 3, 4 & 5	
<b>SYSTEM LEVEL IMPACT:</b>						
PART NO.	NOMEMCLATURE			QTY	NSN	COST
1						
2						
3						
4						
5						
6						
FIRST CONTACT <b>HILLYARD</b>	RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID# <b>J. LAROCK / T. WHITMORE QED INC</b>			TD	TL	LOGISTICIAN	TSP



**USS DE WERT (FFG-45)**  
**STEERING GEAR ROOM (5-368-01-E)**  
**STARBOARD SIDE**



ENTRANCE TO STBD EDUCTOR SPACE AT BHD (368)



DETERIORATED STRINGER

# CSMP REVIEW

ITEM NUMBER		SHIP USS DE WERT (FFG-45)				
SYSTEM HULL DECKS		ESWBS	EIC A100000	APL X-SYSTEMS	RIN N/L	
EQUIPMENT NAME SHELL PLATINGS		IDENT/SERIAL		LOCATION 5-292-0-E	WORK CENTER EMO4	JSN P819
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED <b>3</b> 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL <b>4</b>	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY  DEADLINE DATE: <b>3060</b>	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE <b>7</b>	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE <b>0</b>		
MAN HRS EXPENDED 0001	MAN HRS REMAINING 0010	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
PER SEMAT I INSPECTION, BOTTOM SHELL LONGITUDINAL IN AUX MCHY #3 LOWER LEVEL STBD SIDE, JUST INBOARD OF JP-5 SERVICE TANK 1A IS HEAVILY CORRODED, CORROSION EXTENDS ABOUT 6FT FROM FWD END OF TANK AFT. TOTAL AREA IS APPROX 8FT. XXX SHIP, REPAIR EXISTING LONGITUDINAL, PREP AREA PRIME AND PAINT. DEADLINE DATE: 01 MAR 2003, RECOMMEND REPAIR B EFORE ANY DEPLOYMENT SCHEDULED TO START AFTER MAR 2003. ASSESSED BY SPAZIANI/SINKS, POC J. BRUCKNER, SPORT CODE 221, DSN 961-4001, COMM (757)396-4001. 1/ASSESS /SEMAT I /MAYPORT /D/UNSAT/SF/III // /*/TECH/SPAZIANI/SINKS/SPORT 221 /(757)396-4001 /* X168474 XSYSTEM ITEM A100000						
CSMP SUMMARY: CORRODED LONGITUDINAL					TEST#	
ROOT CAUSE/AMPLIFICATION					STEP#	
SYSTEM LEVEL IMPACT:						
TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS:  <input checked="" type="checkbox"/> VALID (NO CORRECTIONS) <input type="checkbox"/> REWRITE (VALID) <input type="checkbox"/> FOUND COMPLETE <input type="checkbox"/> COMPLETED BY SEMAT <input type="checkbox"/> CANCEL (WORK NOT REQUIRED) <input type="checkbox"/> NOT VALIDATED			UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP:  YES <input type="checkbox"/>  NO <input type="checkbox"/>			
FIRST CONTACT HENDERSON	RATE EN2	SECOND CONTACT GREIFEN B	RATE LTJG	PHONE		
BLUEPRINTS: TECH MANUALS, PLANS, ETC.					ON BRD YES NO	
ASSESSOR: J. LAROCK QED (757)490-5047 N. TAGLIANETTI SPORT 221			TD	TL	LOGISTICIAN	PAGE NO 11



**USS DE WERT (FFG-45)**  
**AUXILIARY MACHINERY ROOM NO. 3 (5-292-0-E)**



CORROSION ON SHELL BELOW SHAFT.



CORROSION ON SHELL AND STRINGER CSMP / JSN-P819

# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b>			
				<b>USS DE WERT (FFG-45)</b>			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04		JSN A393	
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY			EOC	
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED			.9	
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PRIOR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	<b>1. OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 150	COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY	
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE		
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: AUXILIARY MACHINERY ROOM 3 (5-292-0-E)</b>							
APPROXIMATELY 40 SF OF SHELL BELOW SHAFT, AFT OF TRANSVERSE WEB FRAME (316). HAS SURFACE RUST AND PAINT SCALING.							
<b>RECOMMENDED REPAIRS:</b>							
RECOMMEND SHIP'S FORCE POWER CLEAN APPROXIMATELY 40 SF OF SHELL, PRIME AND PAINT USING EURO-NAVY COATING.							
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>							
<b>CSMP SUMMARY:</b>					TEST#		
SHELL BELOW SHAFT IS CORRODED.					MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b>					STEP#		
H1					1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>							
PART NO.	NOMENCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID#				TD	TL	LOGISTICIAN	TSP
<b>J. LaROCK / T. WHITMORE QED SYSTEMS INC.</b>							

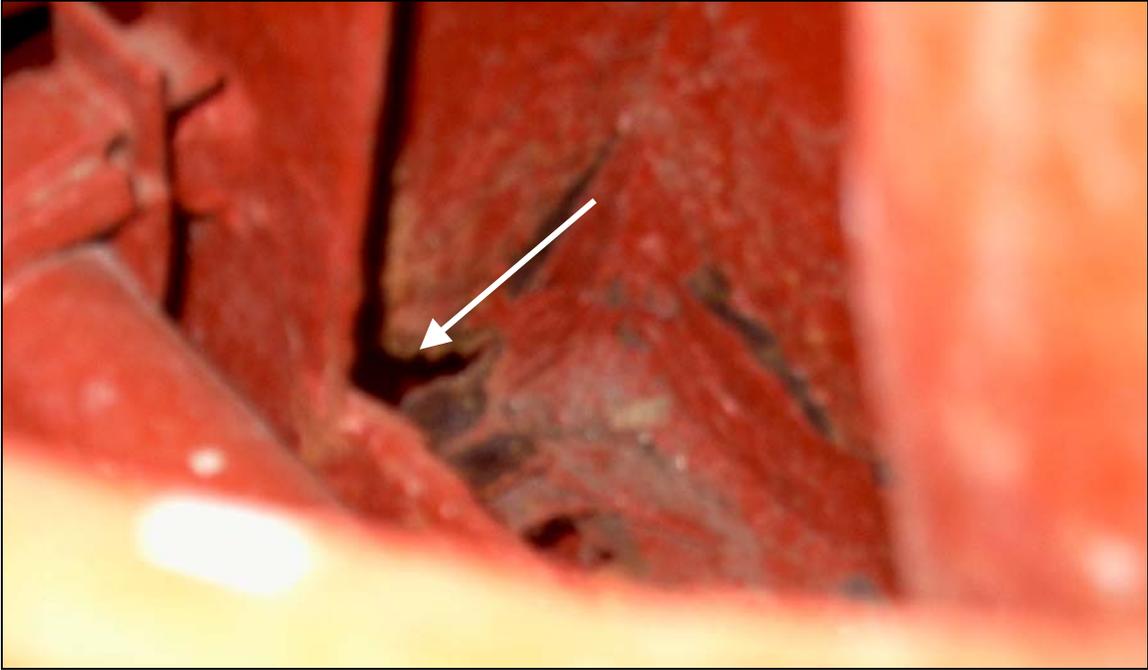
**USS DE WERT (FFG-45)**  
**AUXILIARY MACHINERY ROOM NO. 3 (5-292-0-E)**



HORIZONTAL STIFFENER ABOVE SHAFT IS SEVERELY DETERIORATED.



**USS DE WERT (FFG-45)**  
**AUXILIARY MACHINERY ROOM NO. 3 (5-292-0-E)**



ARROW INDICATES HOLE IN VERTICAL STIFFENER.

# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b>			
				<b>USS DE WERT (FFG-45)</b>			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04		JSN A399	
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY			EOC	
1. SAT - SATISFACTORY 2. <b>UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. <b>S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. <b>H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED			.9	
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. <b>SHIP'S FORCE</b> 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. <b>PIROR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	1. <b>OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. <b>NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		1. <b>S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 120	COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY	
<b>SAFETY HAZARD:</b> 1. <b>SERIOUS - CORRECT AS SOON AS POSSIBLE</b> 2. <b>SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED</b> 3. <b>SERIOUS - WAIVER OF EQUIPMENT/SYSTEM</b> 4. <b>SAFETY ITEM - MINOR</b> 5. <b>COMBUSTIBLE MATERIAL</b>		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. <b>HIGHLY DESIRABLE</b> 4. DESIRABLE		
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: AUXILIARY MACHINERY ROOM NO. 3 (5-292-0-E)</b>							
PORT SIDE, AFT OF NO. 4 SSDG ENCLOSURE SHELL AND STRINGERS OUTBOARD AND BELOW POWER PANEL (3-319-2)							
HAVE APPROXIMATELY 60 SF RUST AND HEAVY PAINT SCALING.							
<b>RECOMMENDED REPAIRS:</b>							
RECOMMEND SHIPS FORCE POWER CLEAN AREA TO BARE METAL PRIME AND PAINT USING EURO-NAVY COATING.							
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>							
<b>CSMP SUMMARY:</b>					TEST#		
SHELL AND STRINGERS HAVE RUST					MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b>					STEP#		
H1					1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>							
PART NO.	NOMENCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID#				TD	TL	LOGISTICIAN	TSP
<b>J. LaROCK / T. WHITMORE QED SYSTEMS INC.</b>							

**USS DE WERT (FFG-45)**  
**AUXILIARY MACHINERY ROOM NO. 3 (5-292-0-E)**  
**PORT SIDE**

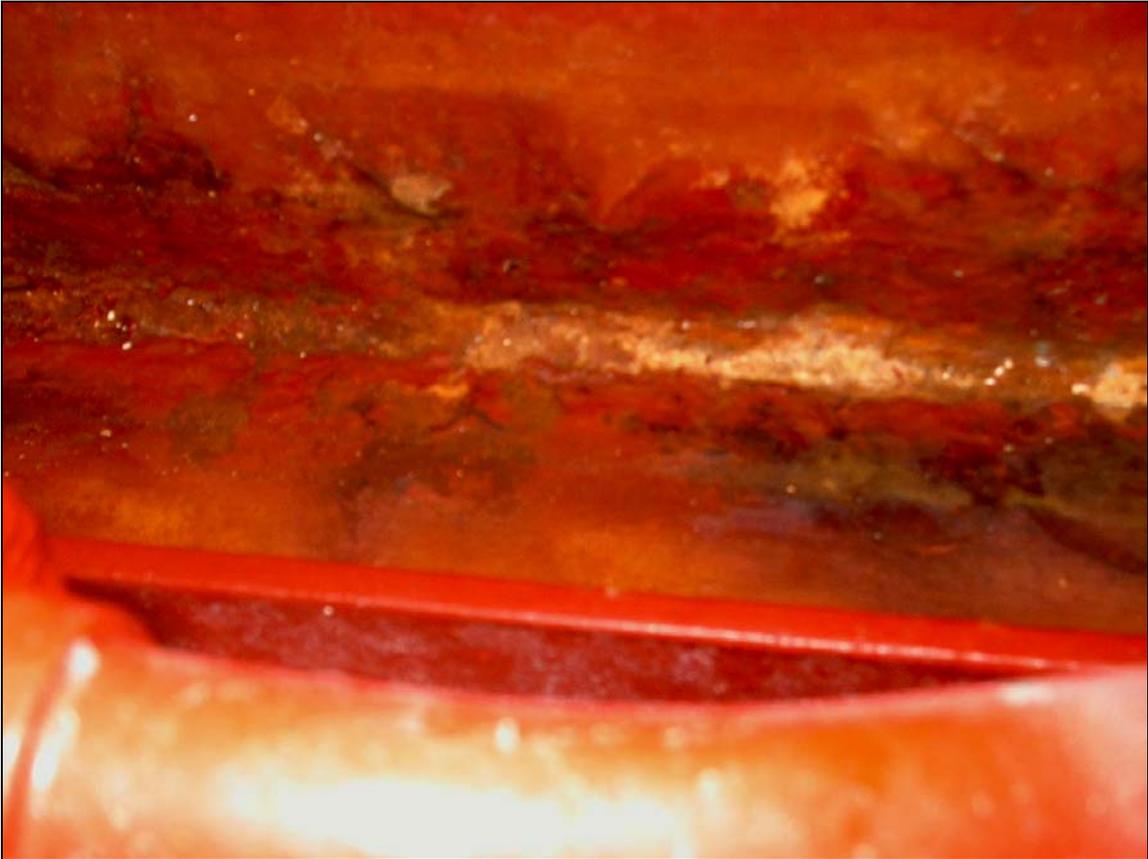


U/T READINGS OF SHELL AND STRINGERS WERE TAKEN IN THIS AREA.  
REFER TO DRAWING.

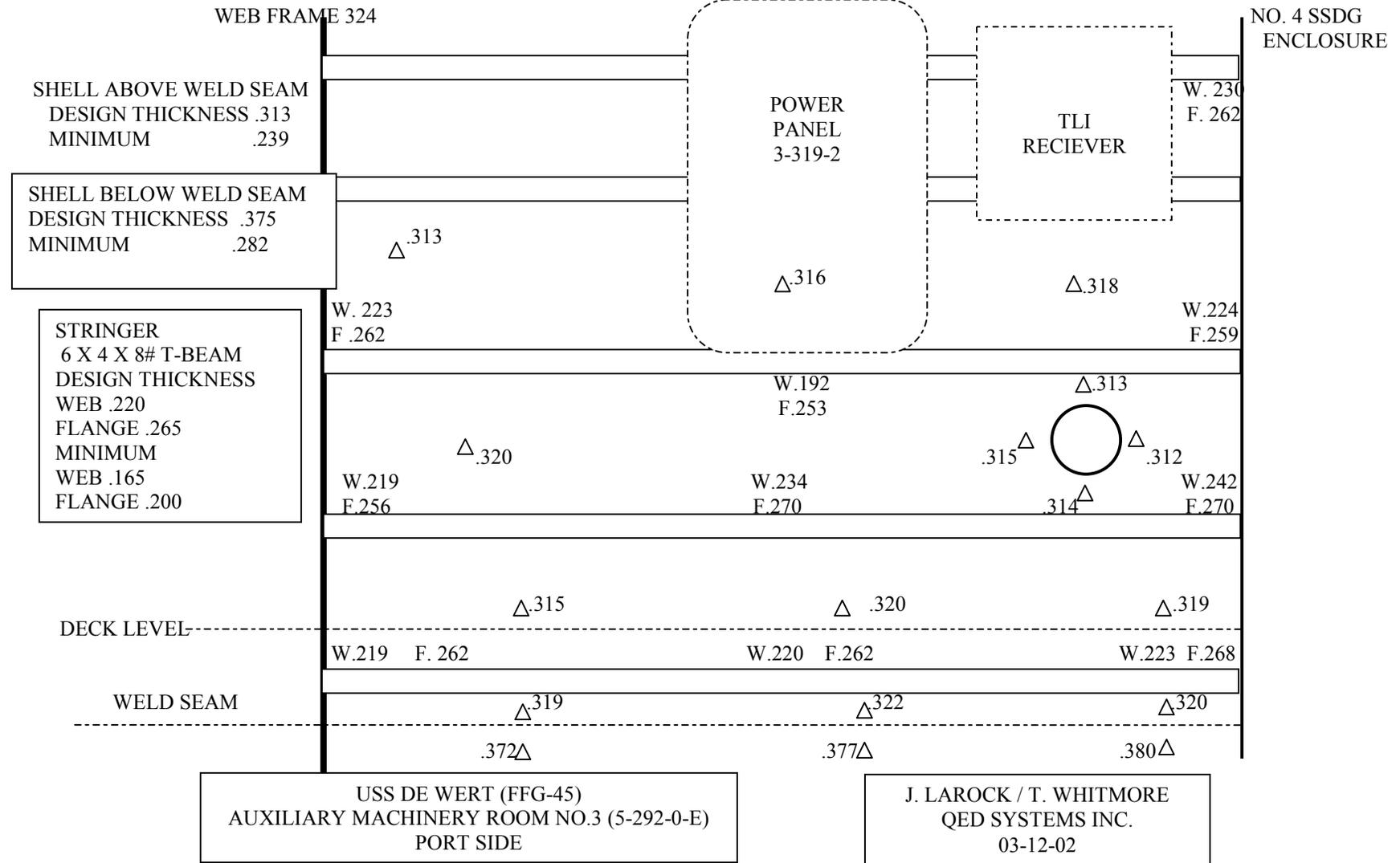


CORROSION ON SHELL AND STRINGER BELOW POWER PANEL (3-219-2)

USS DE WERT (FFG-45)  
AUXILIARY MACHINERY ROOM NO. 3 (5-292-0-E)  
PORT SIDE



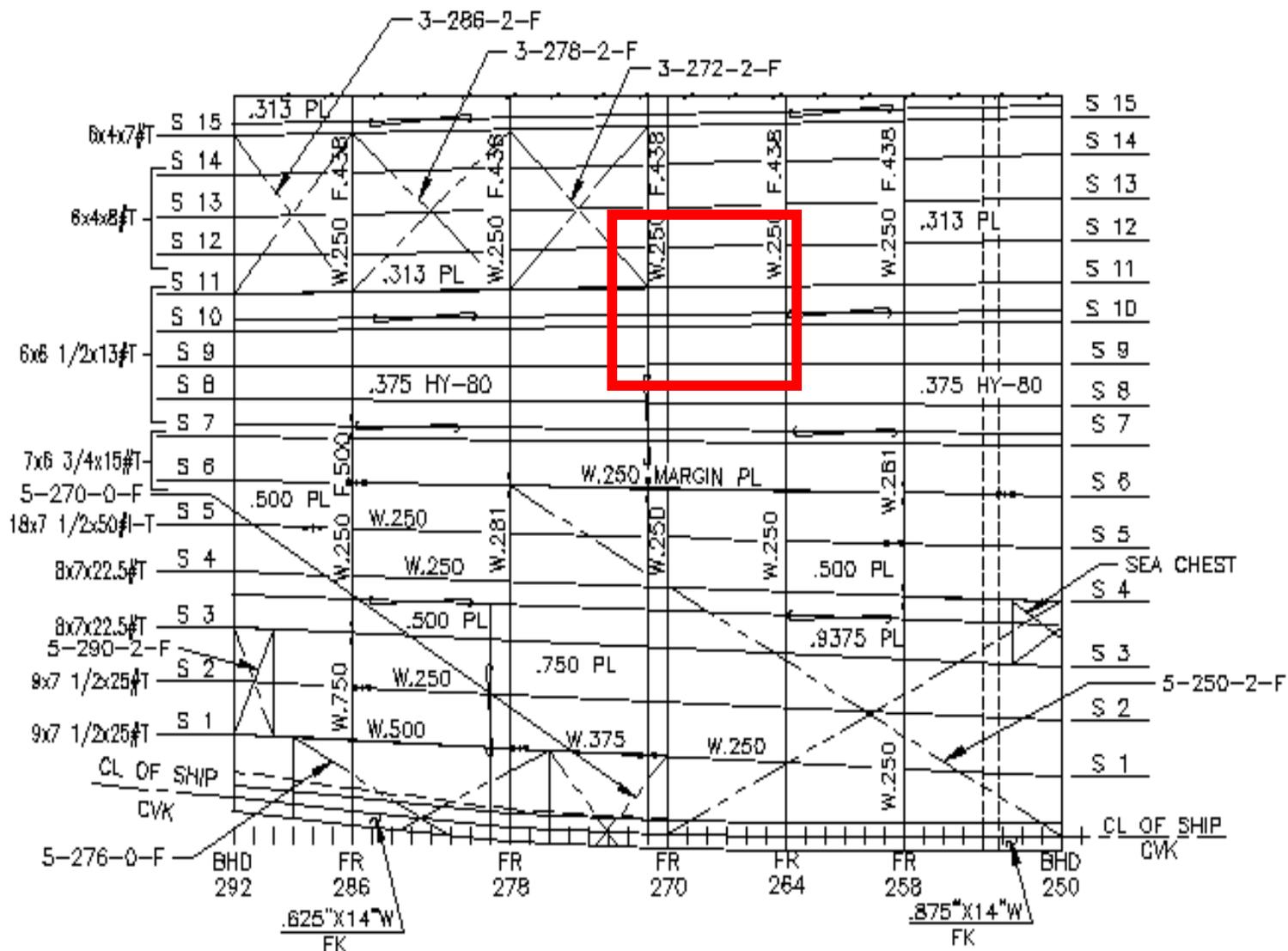
CORROSION ON SHELL AND STRINGER APPROXIMATELY 3 FT BELOW  
POWER PANEL (3-319-2).



# MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP <b>USS DE WERT (FFG-45)</b>				
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC	APL	RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EM04	JSN A392	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON	
<b>1. DEPOT</b>  2. IMA  3. TECH ASSIST  4. SHIP'S FORCE  5. SFWL	1. IMMEDIATELY  2. PRIOR TO NEXT UNDERWAY  3. PRIOR TO NEXT DEPLOYMENT  <b>4. DURING POST DEPLOYMENT AVAILABILITY</b>	1. OPERATIONAL  2. NON-OPERATIONAL  <b>3. REDUCED CAPABILITY</b>  4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2	MAN HRS REMAINING 300	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY	
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE	
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: MAIN ENGINE ROOM (5-250-0-E) PORT SIDE</b>						
1 <sup>ST</sup> , 2 <sup>ND</sup> AND 3 <sup>RD</sup> STRINGERS UP FROM MARGIN PLATE AFT OF WEB FRAME (270) ARE HOLED / DETERIORATED						
6 1/2" X 6" T-BEAM REFER TO DRAWING FOR U/T READINGS						
<b>RECOMMENDED REPAIRS:</b>						
RECOMMEND REPAIR ACTIVITY, CUT OUT AND REPLACE APPROXIMATELY 6 LF OF EACH STRINGER (6 1/2" X 6" T-BEAM )						
SHIPS FORCE TO ACCOMPLISH PRESERVATION OF AREAS DISTURBED BY REMOVALS.						
SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI						
<b>CSMP SUMMARY:</b> HOLED STRINGERS AND CORROSION ON SHELL PLATE					TEST# 1102/1	
<b>ROOT CAUSE/AMPLIFICATION:</b> H1					STEP# 1, 2, 3, 4 & 5	
<b>SYSTEM LEVEL IMPACT:</b>						
PART NO.	NOMEMCLATURE			QTY	NSN	COST
1						
2						
3						
4						
5						
6						
FIRST CONTACT <b>HILLYARD</b>	RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID# <b>J. LAROCK / T. WHITMORE QED SYSTEMS INC.</b>			TD	TL	LOGISTICIAN	TSP

**USS DE WERT (FFG-45)  
MAIN ENGINE ROOM (5-250-0-E)**



**USS DE WERT (FFG-45)  
MAIN ENGINE ROOM (5-250-0-E)**

RED BOX INDICATES AREA INSPECTED

# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b>			
				<b>USS DE WERT (FFG-45)</b>			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-250-0-E	WORK CENTER EM04		JSN A391	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b>		4. D - DOWN 5. L - LIMITED  .9	
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PIROR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	<b>1. OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 150	COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY	
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE	
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: MAIN ENGINE ROOM (5-250-0-E) PORT SIDE, APPROXIMATELY 60 SF OF SHELL AFT OF WEB FRAME (270) FROM DECK LEVEL TO MARGIN PLATE HAS HEAVY PAINT SEPARATION AND CORROSION.</b>							
<b>RECOMMENDED REPAIRS:</b> RECOMMEND SHIPS FORCE IN CONJUNCTION WITH STRINGER REPAIRS POWER CLEAN AREA TO BARE METAL, PRIME AND PAINT WITH EURO-NAVY COATING.							
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>							
<b>CSMP SUMMARY:</b> SHELL HAS HEAVY PAINT SCALING AND RUST AFT OF WEB FRAME (270)						TEST# MRC 1102/1	
<b>ROOT CAUSE/AMPLIFICATION:</b> H1						STEP# 1,2,3,4 & 5	
<b>SYSTEM LEVEL IMPACT:</b>							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID# <b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>				TD	TL	LOGISTICIAN	TSP

**USS DE WERT (FFG-45)**  
**MAIN ENGINE ROOM (5-250-0-E)**



1<sup>ST</sup> STRINGER FROM MARGIN PLATE AFT OF WEB FRAME (270)



2<sup>ND</sup> STRINGER UP FROM MARGIN PLATE AFT OF WEB FRAME (270)

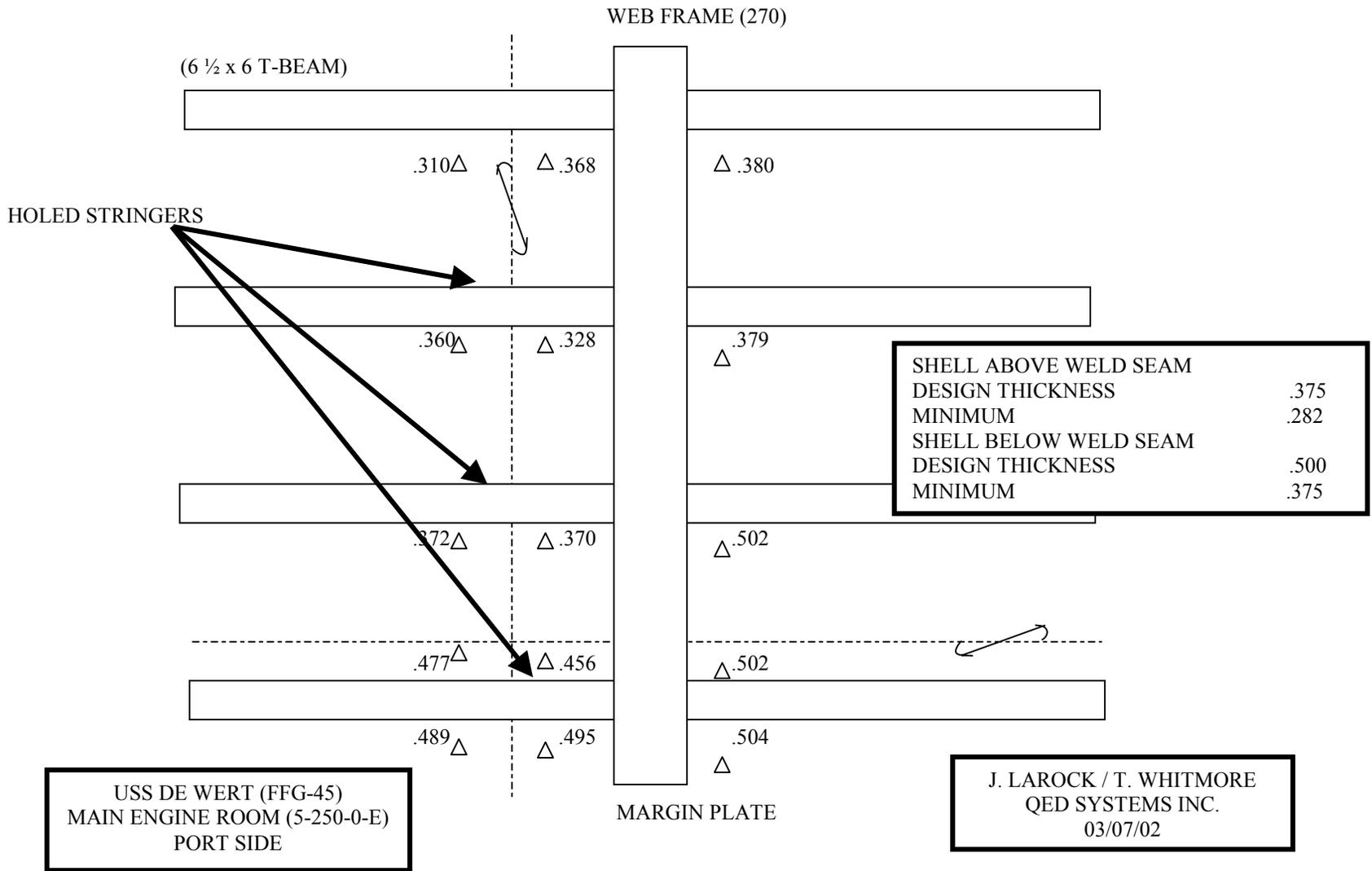
**USS DE WERT (FFG-45)**  
**MAIN ENGINE ROOM (5-250-0-E)**



3<sup>rd</sup> STRINGER UP FROM MARGIN PLATE, AFT OF WEB FRAME (270)



TRANSVERSE WELD SEAM AFT OF WEB FRAME (270). THIS IS A COMMON AREA OF CORROSION ON (FFG-7) CLASS SHIPS REFER TO DRAWING FOR U/T READINGS.



# MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP <b>USS DE WERT (FFG-45)</b>			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 5-250-0-E	WORK CENTER EM04	JSN A358	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED			.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PIROR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	<b>1. OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 100		COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY	
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL			1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE	
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: MAIN ENGINE ROOM (5-250-0-E) STBD SIDE</b> APPROXIMATELY 160 SF OF SATURATED AND DAMAGED INSULATION, CORROSION ON SHELL PLATE AND STRINGERS BETWEEN BHD (250) AND WEB FRAME (278).							
<b>RECOMMENDED REPAIRS:</b> RECOMMEND SHIPS FORCE REMOVE APPROXIMATELY 160 SF OF INSULATION, POWER CLEAN SHELL AND STRINGERS FROM BHD (250) TO WEB FRAME (278), PRIME AND PAINT. REPLACEMENT OF INSULATION IS NOT RECOMMENDED.							
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>							
<b>CSMP SUMMARY:</b> SATURATED INSULATION, CORROSION ON SHELL AND STRINGERS					TEST# MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b> H1					STEP# 1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID# <b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>				TD	TL	LOGISTICIAN	TSP

**USS DE WERT (FFG-45)**  
**MAIN ENGINE ROOM (5-250-0-E)**  
**STARBOARD SIDE**



WEB FRAME (270), CORROSION ON SHELL AND STRINGERS, SATURATED INSULATION WAS FOUND IN THIS AREA.



CORROSION ON SHELL AT OVBD DISCHARGE (ASW VALVE 7)

# MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP <b>USS DE WERT (FFG-45)</b>				
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EM04	JSN A365	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED		.9
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PRIOR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	<b>1. OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2	MAN HRS REMAINING 100	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY	
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE	
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: AUX 2 (5-212-0-E) PORT SIDE UPPER LEVEL</b>						
OUTBOARD OF NO. 1 HPAC, SHELL AND STRINGERS HAVE PAINT SCALING AND RUST, INSULATION IS SATURATED.						
APPROXIMATELY 80 SF						
<b>RECOMMENDED REPAIRS:</b>						
RECOMMEND SHIPS FORCE REMOVE HULL INSULATION, POWER CLEAN APPROXIMATELY 80 SF OF SHELL AND STRINGERS PRIME AND PAINT. REPLACEMENT OF INSULATION IS NOT RECOMMENDED						
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>						
<b>CSMP SUMMARY:</b>				TEST#		
CORROSION ON SHELL AND STRINGERS / SATURATED INSULATION				MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b>				STEP#		
H1				1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>						
PART NO.	NOMEMCLATURE			QTY	NSN	COST
1						
2						
3						
4						
5						
6						
FIRST CONTACT <b>HILLYARD</b>	RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID#			TD	TL	LOGISTICIAN	TSP
<b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>						

USS DE WERT (FFG-45)  
AUXILIARY MACHINERY ROOM NO. 2 (5-212-0-E)  
PORT SIDE



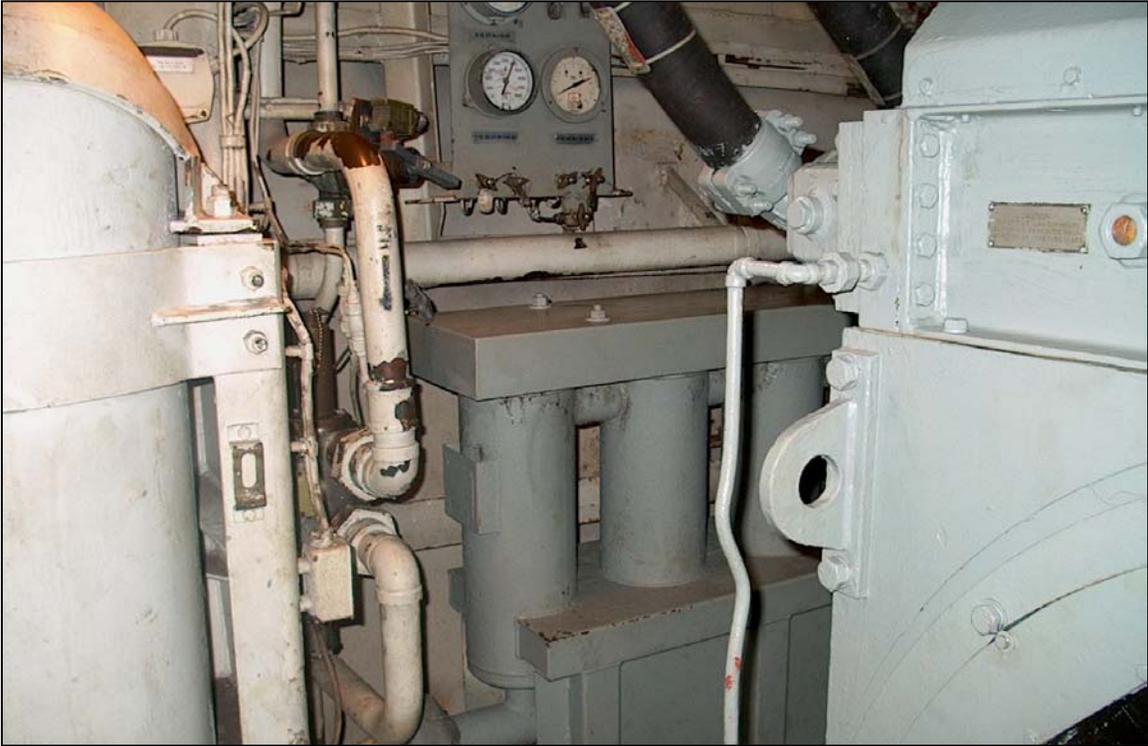
SATURATED INSULATION, HEAVY PAINT SCALING AND WATER TRAPPED IN STRINGERS.  
OUTBOARD OF NO. 1 HPAC AFT OF BHD (212)



# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b>			
				<b>USS DE WERT (FFG-45)</b>			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-212-0-E	WORK CENTER EM04		JSN A364	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED		.9	
TYPE AVAILABILITY		WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PRIOR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	<b>1. OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2		MAN HRS REMAINING 100	COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL			1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE	
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: AUX 2 (5-212-0-E) NO. 2 SSDG ENCLOSURE (5-226-1-E). CORROSION ON SHELL AND STRINGERS BETWEEN BHD (226) AND LO TANK NO. 2 APPROXIMATELY 60 SF</b>							
<b>RECOMMENDED REPAIRS:</b> RECOMMEND SHIPS FORCE POWER CLEAN APPROXIMATELY 60 SF OF AREA PRIME AND PAINT							
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>							
<b>CSMP SUMMARY:</b> CORROSION ON SHELL AND STRINGERS INSIDE NO. 2 SSDG ENCLOSURE					TEST# MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b> H1					STEP# 1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>							
PART NO.		NOMEMCLATURE		QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID# <b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>				TD	TL	LOGISTICIAN	TSP

**USS DE WERT (FFG-45)**  
**AUXILIARY MACHINERY ROOM NO. 2 (5-212-0-E)**  
**NO. 2 SSDG ENCLOSURE (5-226-1-E)**



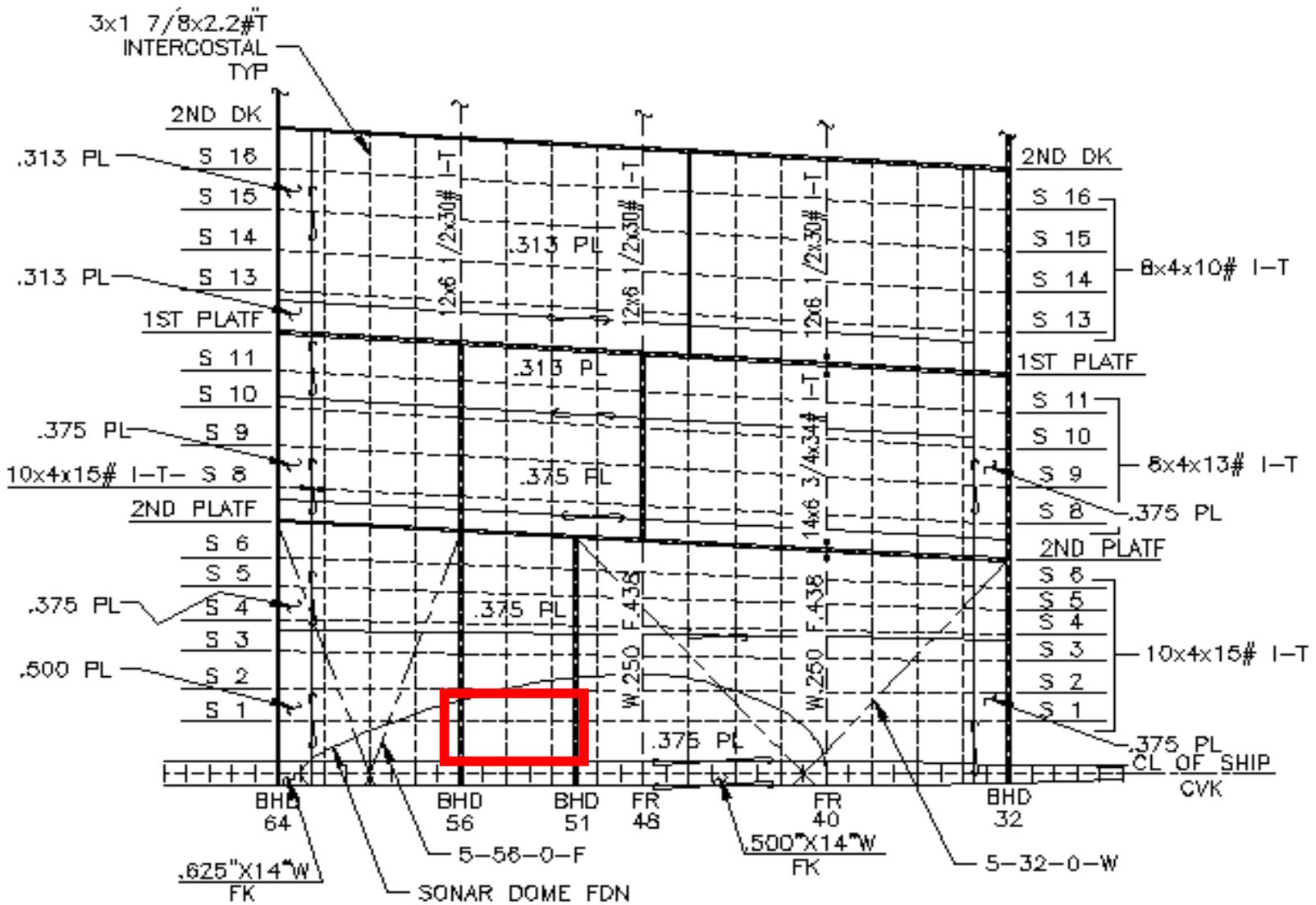
MILD CORROSION ON SHELL AND STRINGERS WAS FOUND IN THIS AREA



CORROSION ON SHELL AND STRINGERS

# CSMP REVIEW

<b>ITEM NUMBER</b>				<b>SHIP</b> USS DE WERT (FFG-45)			
<b>SYSTEM HULL DECKS</b>		<b>ESWBS</b>	<b>EIC</b> A703	<b>APL</b> X-SYSTEMS		<b>RIN</b> N/L	
<b>EQUIPMENT NAME</b> SONAR EDUCTOR ROOM		<b>IDENT/SERIAL</b>		<b>LOCATION</b> 5-51-0-Q	<b>WORK CENTER</b> EM04		<b>JSN</b> P053
<b>EQUIPMENT STATUS</b>		<b>PROBLEM STATUS</b>		<b>CATEGORY</b>			<b>EOC</b>
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
<b>TYPE AVAILABILITY</b>	<b>WHEN TO BE ACCOMPLISHED</b>	<b>STATUS</b>	<b>CAUSE</b>		<b>DEFERRAL REASON</b>		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL  <div style="text-align: center; color: blue; font-weight: bold;">1</div>	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY  DEADLINE DATE:  1182	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE  <div style="text-align: center; color: blue; font-weight: bold;">3</div>	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE  <div style="text-align: center; color: blue; font-weight: bold;">7</div>		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE  <div style="text-align: right; color: blue; font-weight: bold;">6</div>		
<b>MAN HRS EXPENDED</b> 0001	<b>MAN HRS REMAINING</b> 0020	<b>COMPLETED ACTION TAKEN</b>		<b>S/F MANHOURS</b>	<b>PRIORITY</b>		
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL			1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
PER SEMAT I – EDUCTOR ROOM (5-51-0-Q) DECK SUPPORTS ARE THINNED, SEPARATING, AND CARRIED AWAY WITH RUST. XXX REQUEST OUTSIDE REPAIR ACTIVITY TO REPLACE THE EXISTING 2FT OF 4X4X1 / 8IN TEES, 7FT OF 3X3X1/8IN FLAT BAR WITH NEW ALL DECK PLATE SUPPORTS, CUT TO SUIT. ASSESSED BY R. DAVIS, D SMITH , POC J. BRUCKNER, SPORT CODE 221, DSN 961-4001, COMM (757) 396-4001, ASSESS / SEMAT I , MAYPORT 5X168474. XCOMPARTMENTA703 HOLDING JSN FOR DRYDOCK AVAIL REQUEST OUTSIDE REPAIR ACTIVITY TO REPLACE THE EXISTING: 2FT OF 4X4X1/8IN ANGLE, AND 2FT OF 3X1 / 8IN FLAT BAR WITH NEW ALL DECK PLATE SUPPORTS, CUT TO SUIT, ASSESSED BY R. DAVIS, D. SMITH, POC J. BRUCKNER, SPORT CODE 221, DSN 961-4001, COMM (757) 396-4001, ASSESS/SEMAT I MAYPORT							
<b>CSMP SUMMARY:</b> REPAIR DK PLATE SUPPORT 5-51-0-Q					<b>TEST#</b>		
<b>ROOT CAUSE/AMPLIFICATION</b>					<b>STEP#</b>		
<b>SYSTEM LEVEL IMPACT:</b>							
<b>TECHNICIAN MARK APPROPRIATE BLOCKS:</b> 2-KILO IS:  <input checked="" type="checkbox"/> <b>VALID</b> (NO CORRECTIONS) <input type="checkbox"/> <b>REWRITE</b> (VALID) <input type="checkbox"/> <b>FOUND COMPLETE</b> <input type="checkbox"/> <b>COMPLETED BY SEMAT</b> <input type="checkbox"/> <b>CANCEL</b> (WORK NOT REQUIRED) <input type="checkbox"/> <b>NOT VALIDATED</b>				<b>UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP:</b>  <input type="checkbox"/> <b>YES</b>  <input type="checkbox"/> <b>NO</b>			
<b>FIRST CONTACT</b> HILLYARD	<b>RATE</b> MR1	<b>SECOND CONTACT</b> BROOKS		<b>RATE</b> HT1	<b>PHONE</b>		
<b>BLUEPRINTS:</b> TECH MANUALS, PLANS, ETC.						<b>ON BRD</b> YES NO	
<b>ASSESSOR:</b> J. LAROCK QED SYSTEMS INC. (757)490-5047 CODE SPORT 221 / N. TAGLIANETTI				<b>TD</b>	<b>TL</b>	<b>LOGISTICIAN</b>	<b>PAGE NO</b>



USS DE WERT (FFG-45)  
 EDUCATOR ROOM (5-51-0-Q)

RED BOX INDICATES LOCATION OF AREA  
 INSPECTED

# CSMP REVIEW

<b>ITEM NUMBER</b>				<b>SHIP</b> USS DE WERT (FFG-45)			
<b>SYSTEM HULL DECKS</b>		<b>ESWBS</b>	<b>EIC</b> A303	<b>APL</b> X-SYSTEMS		<b>RIN</b> N/L	
<b>EQUIPMENT NAME</b> SONAR EDUCTOR ROOM		<b>IDENT/SERIAL</b>		<b>LOCATION</b> 5-51-0-Q	<b>WORK CENTER</b> EM04		<b>JSN</b> P050
<b>EQUIPMENT STATUS</b>		<b>PROBLEM STATUS</b>		<b>CATEGORY</b>			<b>EOC</b>
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
<b>TYPE AVAILABILITY</b>	<b>WHEN TO BE ACCOMPLISHED</b>	<b>STATUS</b>	<b>CAUSE</b>		<b>DEFERRAL REASON</b>		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL <b>1</b>	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY  DEADLINE DATE: 1182	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE  <b>3</b>	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE  <b>7</b>		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE  <b>6</b>		
<b>MAN HRS EXPENDED</b> 0001	<b>MAN HRS REMAINING</b> 0030	<b>COMPLETED ACTION TAKEN</b>		<b>S/F MANHOURS</b>	<b>PRIORITY</b>		
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL			1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
PER SEMAT I – EDUCTOR ROOM (5-51-0-Q) TWO 2X3X1/8IN TRANSVERSE TEE STRINGERS BETWEEN THE KEEL AND THE PORT AND STARBOARD 2 <sup>ND</sup> LONGITUNINALS ARE CORRODED AND RUSTED THROUGH. XXX REQUEST OUTSIDE REPAIR ACTIVITY TO REPLACE THE EXISTING 12 FT OF TRANSVERSE TEES ON THE SONAR EDUCTOR SPACE (5-51-0-Q). CUT TO SUIT. ASSESSED BY R. DAVIS, D. SMITH POC J. BRUCKNER, SPORT CODE 221, DSN 961-4001, COMM (757) 396-4001 5 X 168474 XCOMPARTMENT A303 HOLDING JSN FOR DRYDOCK AVAIL, REQUEST OUTSIDE REPAIR ACTIVITY TO REPLACE THE EXISTING 12 FT OF TRANSVERSE TEES ON THE SONAR EDUCTOR SPACE (5-51-0-Q) CUT TO SUIT. ASSESSED BY R. DAVIS, D. SMITH, POC J. BRUCKNER, SPORT CODE 221, DSN 961-4001, COMM (757)396-4001							
<b>CSMP SUMMARY: REPAIR TRANSVERS TEES 5-51-0-Q</b>					<b>TEST#</b>		
<b>ROOT CAUSE/AMPLIFICATION</b>					<b>STEP#</b>		
<b>SYSTEM LEVEL IMPACT:</b>							
<b>TECHNICIAN MARK APPROPRIATE BLOCKS:</b> 2-KILO IS:  <input checked="" type="checkbox"/> <b>VALID</b> (NO CORRECTIONS) <input type="checkbox"/> <b>REWRITE</b> (VALID) <input type="checkbox"/> <b>FOUND COMPLETE</b> <input type="checkbox"/> <b>COMPLETED BY SEMAT</b> <input type="checkbox"/> <b>CANCEL</b> (WORK NOT REQUIRED) <input type="checkbox"/> <b>NOT VALIDATED</b>				<b>UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP:</b>  <input type="checkbox"/> <b>YES</b>  <input type="checkbox"/> <b>NO</b>			
<b>FIRST CONTACT</b> HILLYARD	<b>RATE</b> MR1	<b>SECOND CONTACT</b> BROOKS		<b>RATE</b> HT1	<b>PHONE</b>		
<b>BLUEPRINTS: TECH MANUALS, PLANS, ETC.</b>						<b>ON BRD</b> YES NO	
<b>ASSESSOR: J. LAROCK QED SYSTEMS INC. (757) 490-5047</b> CODE SPORT 221 / N. TAGLIANETTI				<b>TD</b>	<b>TL</b>	<b>LOGISTICIAN</b>	<b>PAGE NO</b>

# CSMP REVIEW

<b>ITEM NUMBER</b>				<b>SHIP</b> USS DE WERT (FFG-45)			
<b>SYSTEM HULL DECKS</b>		<b>ESWBS</b>	<b>EIC</b> A703	<b>APL</b> X-SYSTEMS	<b>RIN</b> N/L		
<b>EQUIPMENT NAME</b> SONAR EDUCTOR ROOM		<b>IDENT/SERIAL</b>		<b>LOCATION</b> 5-51-0-Q	<b>WORK CENTER</b> EM04		<b>JSN</b> P054
<b>EQUIPMENT STATUS</b>		<b>PROBLEM STATUS</b>		<b>CATEGORY</b>			<b>EOC</b>
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
<b>TYPE AVAILABILITY</b>	<b>WHEN TO BE ACCOMPLISHED</b>	<b>STATUS</b>	<b>CAUSE</b>		<b>DEFERRAL REASON</b>		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL  <div style="text-align: center;"><b>1</b></div>	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY  DEADLINE DATE: <div style="text-align: center;">1182</div>	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE  <div style="text-align: center;"><b>3</b></div>	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE  <div style="text-align: center;"><b>7</b></div>		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE  <div style="text-align: right;"><b>6</b></div>		
<b>MAN HRS EXPENDED</b> 0001	<b>MAN HRS REMAINING</b> 0010	<b>COMPLETED ACTION TAKEN</b>		<b>S/F MANHOURS</b>	<b>PRIORITY</b>		
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL			1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE  <div style="text-align: right;"><b>3</b></div>		
<p>PER SEMAT I – EDUCTOR ROOM (5-51-0-Q) BULKHEAD STIFFENER OVER THE KEEL, FRAME 51, IS RUSTED THROUGH AT THE RIDER PLATE. XXX REQUEST OUTSIDE REPAIR ACTIVITY TO CROP OUT TO GOOD METAL THE 4X6X3 / 16 TEE. INSTALL METAL OF SAME TYPE REMOVED, CLEAN AND PAINT THE BILGE AREA AND ALL SUPPORTS IN THE SONAR EDUCTOR ROOM WITH EURO NAVY PAINT. ASSESSED BY R. DAVIS, D. SMITH POC J. BRUCKNER, SPORT CODE 221, DSN 961-4001, COMM (757)396-4001. ASSESS / SEMAT I/MAYPORT 5 X 168474 XCOMPARTMENT A800 HOLDING JSN FOR DRYDOCK AVAIL REQUEST OUTSIDE REPAIR ACTIVITY TO CROP OUT TO GOOD METAL THE 4X6X3/16IN TEE. INSTALL METAL OF SAME TYPE REMOVED. CLEAN AND PAINT THE BILGE AREA AND ALL SUPPORTS IN THE SONAR EDUCTOR ROOM. ASSESSED BY R. DAVIS, D. SMITH, POC J. BRUCKNER, SPORT CODE 221, DSN 961-4001, COMM (757) 396-4001. ASSESS/SEMAT I / MAYPOET</p>							
<b>CSMP SUMMARY: REPAIR BHD STIFFENER 5-51-0-Q</b>					<b>TEST#</b>		
<b>ROOT CAUSE/AMPLIFICATION</b>					<b>STEP#</b>		
<b>SYSTEM LEVEL IMPACT:</b>							
<b>TECHNICIAN MARK APPROPRIATE BLOCKS:</b> 2-KILO IS:  <input checked="" type="checkbox"/> VALID (NO CORRECTIONS) <input type="checkbox"/> REWRITE (VALID) <input type="checkbox"/> FOUND COMPLETE <input type="checkbox"/> COMPLETED BY SEMAT <input type="checkbox"/> CANCEL (WORK NOT REQUIRED) <input type="checkbox"/> NOT VALIDATED				<b>UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP:</b>  <input type="checkbox"/> YES  <input type="checkbox"/> NO			
<b>FIRST CONTACT</b> HILLYARD	<b>RATE</b> MR1	<b>SECOND CONTACT</b> BROOKS	<b>RATE</b> HT1	<b>PHONE</b>			
<b>BLUEPRINTS: TECH MANUALS, PLANS, ETC.</b>							<b>ON BRD</b> YES NO
<b>ASSESSOR: J. LAROCK QED SYSTEMS INC. (757) 490-5047</b> CODE SPORT 221 / N. TAGLIANETTI					<b>TD</b>	<b>TL</b>	<b>LOGISTICIAN</b>
							<b>PAGE NO</b>

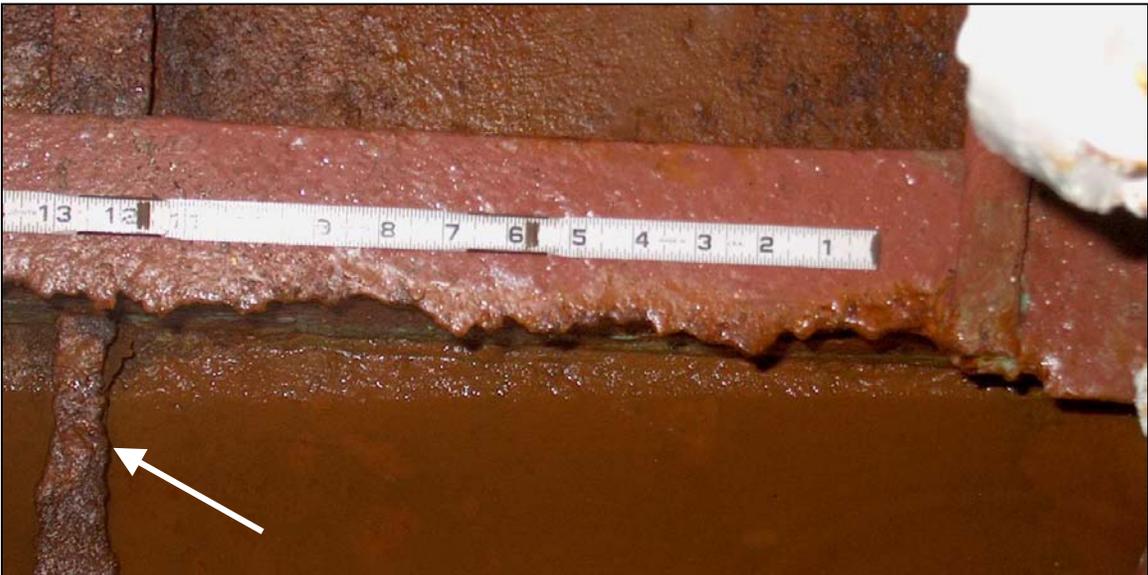
# CSMP REVIEW

<b>ITEM NUMBER</b>				<b>SHIP</b> USS DE WERT (FFG-45)			
<b>SYSTEM HULL DECKS</b>		<b>ESWBS</b>	<b>EIC</b> A703	<b>APL</b> X-SYSTEMS		<b>RIN</b> N/L	
<b>EQUIPMENT NAME</b> SONAR EDUCTOR ROOM		<b>IDENT/SERIAL</b>		<b>LOCATION</b> 5-51-0-Q	<b>WORK CENTER</b> EM04		<b>JSN</b> P052
<b>EQUIPMENT STATUS</b>		<b>PROBLEM STATUS</b>		<b>CATEGORY</b>			<b>EOC</b>
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 3 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
<b>TYPE AVAILABILITY</b>	<b>WHEN TO BE ACCOMPLISHED</b>	<b>STATUS</b>	<b>CAUSE</b>		<b>DEFERRAL REASON</b>		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">1</div>	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. <b>PIROR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY  DEADLINE DATE: 1182	1. OPERATIONAL 2. NON-OPERATIONAL 3. <b>REDUCED CAPABILITY</b> 4. NOT APPLICABLE  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">3</div>	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. <b>ABNORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">7</div>		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. <b>LACK OF FACILITIES/CAPABILITIES</b> 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE  <div style="text-align: right; font-weight: bold; font-size: 1.2em;">6</div>		
<b>MAN HRS EXPENDED</b> 0001	<b>MAN HRS REMAINING</b> 0060	<b>COMPLETED ACTION TAKEN</b>		<b>S/F MANHOURS</b>	<b>PRIORITY</b>		
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL			1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. <b>HIGHLY DESIRABLE</b> 4. DESIRABLE	
PER SEMAT I – EDUCTOR ROOM (5-51-0-Q) 1 <sup>ST</sup> AND 2 <sup>ND</sup> LONGITUDINAL STRINGERS, PORT AND STARBOARD SIDES OF KEEL, ARE THINNED BY CORROSION WITH HOLES IN THE 1 <sup>ST</sup> LONGITUDINAL TO STARBOARD. XXX REQUEST OUTSIDE REPAIR ACTIVITY TO REPLACE THE 1 <sup>ST</sup> LONGITUDINAL STRINGER TO STARBOARD WITH A 4X10X1/4 IN 5FT TEE OF THE SAME MATERIAL. CLEAN TO NEAR BRIGHT METAL THE OTHER THREE LONGITUDINALS ASSESSED BY R. DAVIS, D. SMITH, POC J. BRUCKNER, SPORT CODE 221. DSN 961-4001, COMM (757)396-4001. */ASSESS/SEMAT I / MAYPORT 5X168474. XCOMPARTMENT A301 HOLDING JSN FOR DRYDOCK AVAIL REQUEST OUTSIDE REPAIR ACTIVITY TO REPLACE THE 1 <sup>ST</sup> LONGITUDINAL STRINGER TO STARBOARD WITH A 4X10X1/4 IN 5FT TEE OF THE SAME MATERIAL CLEAN TO NEAR BRIGHT METAL THE OTHER 3 LONGITUDINALS ASSESSED BY R. DAVIS, D. SMITH, POC J. BRUCKNER, SPORT CODE 221, DSN 961-4001, COMM (757)396-4001. */ASSESS/SEMAT 1 / MAYPORT							
<b>CSMP SUMMARY: REPAIR LONGITUDINALS 5-51-0-Q</b>					<b>TEST#</b>		
<b>ROOT CAUSE/AMPLIFICATION</b>					<b>STEP#</b>		
<b>SYSTEM LEVEL IMPACT</b>							
<b>TECHNICIAN MARK APPROPRIATE BLOCKS:</b> 2-KILO IS:  <input checked="" type="checkbox"/> <b>VALID</b> (NO CORRECTIONS) <input type="checkbox"/> <b>REWRITE</b> (VALID) <input type="checkbox"/> <b>FOUND COMPLETE</b> <input type="checkbox"/> <b>COMPLETED BY SEMAT</b> <input type="checkbox"/> <b>CANCEL</b> (WORK NOT REQUIRED) <input type="checkbox"/> <b>NOT VALIDATED</b>				<b>UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP:</b>  <input type="checkbox"/> <b>YES</b>  <input type="checkbox"/> <b>NO</b>			
<b>FIRST CONTACT</b> HILLYARD	<b>RATE</b> MR1	<b>SECOND CONTACT</b> BROOKS		<b>RATE</b> HT1	<b>PHONE</b>		
<b>BLUEPRINTS: TECH MANUALS, PLANS, ETC.</b>						<b>ON BRD</b> YES NO	
<b>ASSESSOR: J. LAROCK QED SYSTEMS INC. (757) 490-5047</b> CODE SPORT 221 / N. TAGLIANETTI				<b>TD</b>	<b>TL</b>	<b>LOGISTICIAN</b>	<b>PAGE NO</b>

**USS DE WERT (FFG-45)**  
**EDUCTOR ROOM (5-51-0-Q)**



ENTRANCE TO FORWARD EDUCTOR ROOM



DETERIORATED FLANGE ON STRINGER (S-1) CSMP / JSN-P052  
ARROW INDICATES CORRODED TRANSVERSE STIFFENER CSMP / JSN-P050

**USS DE WERT (FFG-45)**  
**EDUCTOR ROOM (5-51-0-Q)**



CORROSION IN BILGE, PORT SIDE. DECK SUPPORTS ARE SEVERELY DETERIORATED  
CSMP / JSN-P053



DETERIORATED BHD STIFFENER ABOVE KEEL  
CSMP / JSN-P054

**USS DE WERT (FFG-45)**  
**EDUCTOR ROOM (5-51-0-Q)**



DETERIORATED TRANSVERSE STIFFENERS PORT SIDE  
CSMP / JSN-P050



# MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP <b>USS DE WERT (FFG-45)</b>			
SYSTEM SHELL & SUPPORTING STRUCTURE 110	ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY	IDENT/SERIAL N/A	LOCATION 4-172-1-E	WORK CENTER EM04	JSN A367	
EQUIPMENT STATUS	PROBLEM STATUS	CATEGORY			EOC
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD	1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b>	4. D - DOWN 5. L - LIMITED	.9	
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PRIOR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	<b>1. OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE	<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2	MAN HRS REMAINING 100	COMPLETED ACTION TAKEN	S/F MANHOURS	PRIORITY	
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION		1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE	
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: FIRE PUMP ROOM (4-172-1-E)</b>					
STARBOARD BILGE POCKET HAS APPROXIMATELY 30 SF OF CORROSION ON SHELL AND MARGIN PLATE. ZINC ANNODE IS DETERIORATED.					
<b>RECOMMENDED REPAIRS:</b>					
RECOMMEND SHIPS FORCE REMOVE ANNODE, POWER CLEAN ENTIRE BILGE AREA APPROXIMATELY 30 SF. PRIME AND PAINT. REPLACE ANNODE.					
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>					
<b>CSMP SUMMARY:</b> BILGE POCKET AREA CORRODED, ZINC ANNODE DETERIORATED.				TEST# MRC 1102/1	
<b>ROOT CAUSE/AMPLIFICATION:</b> H1				STEP# 1,2,3,4 & 5	
<b>SYSTEM LEVEL IMPACT:</b>					
PART NO.	NOMENCLATURE		QTY	NSN	COST
1					
2					
3					
4					
5					
6					
FIRST CONTACT <b>HILLYARD</b>	RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>	RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID# <b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>			TD	LOGISTICIAN	TSP

**USS DE WERT (FFG-45)**  
**FIRE PUMP ROOM (4-172-1-E)**



BILGE POCKET OUTBOARD OF FIRE PUMP LOOKING FORWARD TO BHD (172)



BILGE POCKET AT BHD (180) NOTE DETERIORATION OF ZINC ANNODE.

# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b>				
				<b>USS DE WERT (FFG-45)</b>				
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 4-160-0-Q	WORK CENTER EM04	JSN A396		
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC	
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED			.9	
TYPE AVAILABILITY		WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PRIOR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	<b>1. OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2		MAN HRS REMAINING 120		COMPLETED ACTION TAKEN		S/F MANHOURS		
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE		
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: CHT ROOM (4-160-0-Q) PORT AND STBD BILGE</b>								
POCKETS HAVE STANDING WATER, CORROSION AND PAINT SEPARATION. APPROXIMATELY 120 SF.								
<b>RECOMMENDED REPAIRS:</b>								
RECOMMEND SHIPS FORCE POWER CLEAN AREAS, PRIME AND PAINT USING EURO-NAVY COATING, APPROXIMATELY 120 SF								
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>								
<b>CSMP SUMMARY:</b>						TEST#		
CORROSION IN BILGE POCKETS						MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b>						STEP#		
H1						1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>								
PART NO.		NOMEMCLATURE		QTY	NSN	COST		
1								
2								
3								
4								
5								
6								
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE		
ASSESSOR / ACT / TECH ID#				TD	TL	LOGISTICIAN	TSP	
<b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>								

**USS DE WERT (FFG-45)**  
**SEWAGE COLLECTING AND HOLDING ROOM (4-160-0-Q)**  
**PORT SIDE**



PORT SIDE BILGE AREA AND STRINGERS



CORROSION IN BILGE POCKET AT BHD (180)

**USS DE WERT (FFG-45)**  
**SEWAGE COLLECTING AND HOLDING ROOM (4-160-0-Q)**  
**STARBOARD SIDE**

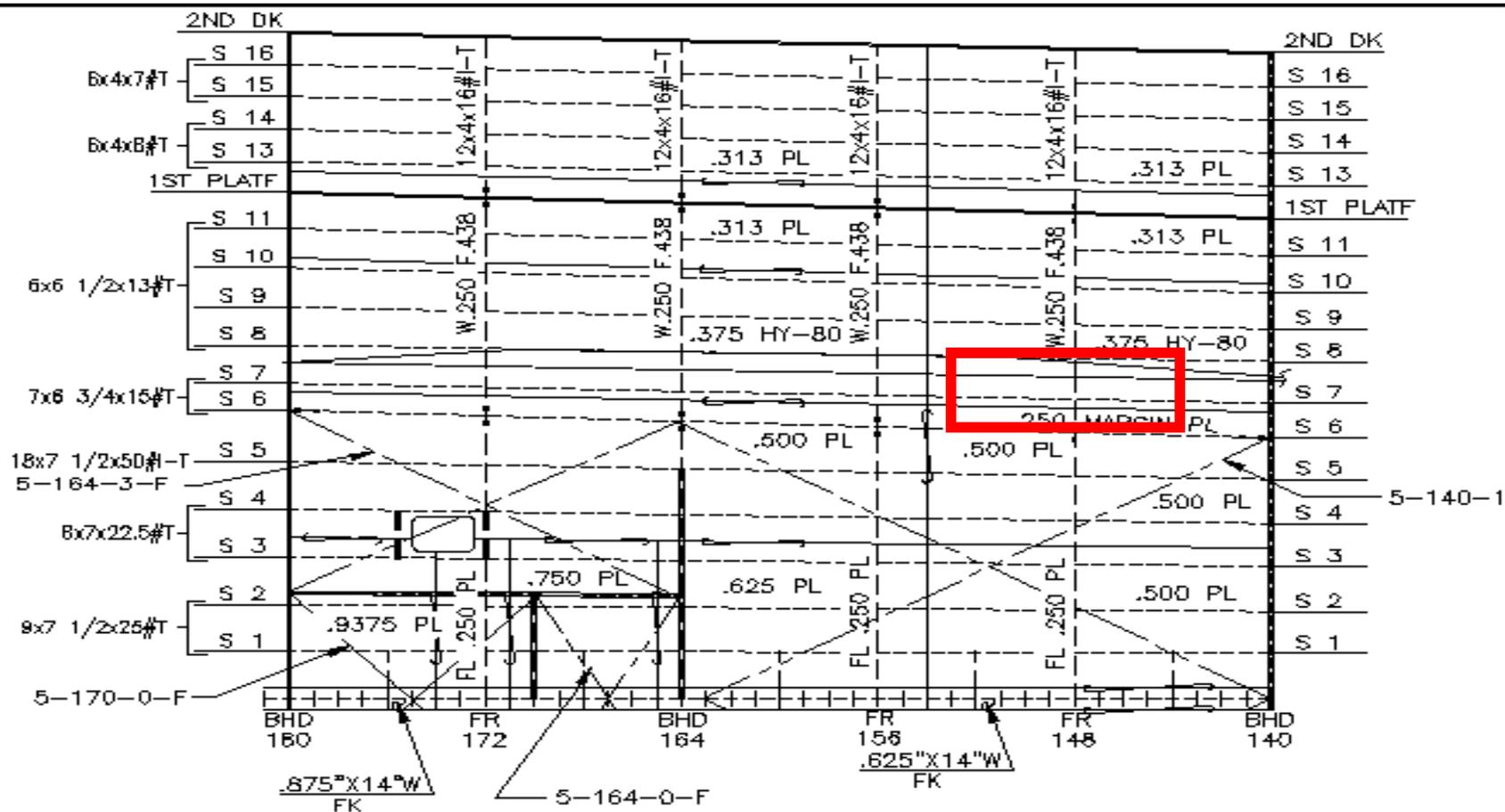


STARBOARD SIDE BILGE POCKET HAS CORROSION AND STANDING WATER.

# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b>						
				<b>USS DE WERT (FFG-45)</b>						
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011		EIC		APL		RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY			IDENT/SERIAL N/A		LOCATION 4-140-0-Q		WORK CENTER EM04		JSN A392	
EQUIPMENT STATUS		PROBLEM STATUS			CATEGORY			EOC		
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS			1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b>			4. D - DOWN 5. L - LIMITED  .9		
TYPE AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE		DEFERRAL REASON		
<b>1. DEPOT</b>  2. IMA  3. TECH ASSIST  4. SHIP'S FORCE  5. SFWL		1. IMMEDIATELY  2. PRIOR TO NEXT UNDERWAY  3. PRIOR TO NEXT DEPLOYMENT  <b>4. DURING POST DEPLOYMENT AVAILABILITY</b>		1. OPERATIONAL  2. NON-OPERATIONAL  <b>3. REDUCED CAPABILITY</b>  4. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2		MAN HRS REMAINING 100		COMPLETED ACTION TAKEN			S/F MANHOURS		PRIORITY	
<b>SAFETY HAZARD:</b> 1. <b>SERIOUS - CORRECT AS SOON AS POSSIBLE</b> 2. <b>SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED</b> 3. <b>SERIOUS - WAIVER OF EQUIPMENT/SYSTEM</b> 4. <b>SAFETY ITEM - MINOR</b> 5. <b>COMBUSTIBLE MATERIAL</b>				1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE		
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: LAUNDRY (4-140-0-Q) PORT SIDE</b>										
WEB OF TRANSVERSE WEB FRAME (164) IS HOLED WHERE IT MEETS THE SHELL AND MARGIN PLATE.										
<b>RECOMMENDED REPAIRS:</b>										
RECOMMEND REPAIR ACTIVITY CUT OUT APPROXIMATELY 1 SF OF TRANSVERSE WEB FRAME WHERE IT MEETS THE SHELL AND MARGIN PLATE REPLACE WITH .250 MILD STEEL.										
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>										
<b>CSMP SUMMARY:</b>							<b>TEST#</b>			
TRANSVERSE WEB FRAME IS HOLED										
<b>ROOT CAUSE/AMPLIFICATION:</b>							<b>STEP#</b>			
H1										
<b>SYSTEM LEVEL IMPACT:</b>										
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>		SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>		PHONE		
ASSESSOR / ACT / TECH ID#				TD		TL		LOGISTICIAN		TSP
<b>J. LAROCK / T. WHITMORE QED SYSTEMS INC.</b>										

**USS DE WERT (FFG-45)  
SHIPS LAUNDRY (4-140-0-Q)**



SHIPS LAUNDRY (4-140-0-Q)

RED BOX INDICATES AREA OF INSPECTION

USS DE WERT (FFG-45)  
SHIPS LAUNDRY (4-140-0-Q)  
PORT SIDE



HOLE IN TRANSVERSE WEB FRAME (164) CHT ROOM IS ON OPPOSITE SIDE.  
NUMEROUS DRAINS PIPED DIRECTLY INTO BILGE ARE LEAVING STANDING WATER  
CAUSING CORROSION. U/T READINGS OF THE SHELL AND MARGIN PLATE ARE  
SATISFACTORY.



STANDING WATER AND CORROSION IN BILGE POCKET LOOKING FORWARD

# MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP <b>USS DE WERT (FFG-45)</b>				
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 4-140-0-Q	WORK CENTER EM04	JSN A387		
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC	
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED			.9	
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS		CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PRIOR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	1. <b>OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 1	MAN HRS REMAINING 100	COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY		
<b>SAFETY HAZARD:</b> 1. <b>SERIOUS - CORRECT AS SOON AS POSSIBLE</b> 2. <b>SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED</b> 3. <b>SERIOUS - WAIVER OF EQUIPMENT/SYSTEM</b> 4. <b>SAFETY ITEM - MINOR</b> 5. <b>COMBUSTIBLE MATERIAL</b>		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE		
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: SHIPS LAUNDRY (4-140-0-Q) PORT SIDE, ENTIRE BILGE POCKET HAS STANDING WATER RUST AND CORROSION, APPROXIMATELY 60 SF. COATING</b>								
<b>RECOMMENDED REPAIRS:</b> RECOMMEND SHIPS FORCE POWER CLEAN ENTIRE BILGE AREA APPROXIMATELY 60 SF, PRIME AND PAINT USING EURO-NAVY								
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>								
<b>CSMP SUMMARY:</b> ENTIRE BILGE AREA IS CORRODED.						TEST# MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b> H1						STEP# 1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>								
PART NO.	NOMENCLATURE			QTY	NSN	COST		
1								
2								
3								
4								
5								
6								
FIRST CONTACT <b>HILLYARD</b>	RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE			
ASSESSOR / ACT / TECH ID# <b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>				TD	TL	LOGISTICIAN	TSP	

**USS DE WERT (FFG-45)**  
**SHIPS LAUNDRY (4-140-0-Q)**



BILGE POCKET SHOWING TRAPPED WATER, ROOT CAUSE FOR THIS CORROSION.

# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b>			
				<b>USS DE WERT (FFG-45)</b>			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 4-100-0-E	WORK CENTER EM04		JSN A348	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED		.9	
TYPE AVAILABILITY		WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PRIOR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	<b>1. OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2		MAN HRS REMAINING 100	COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL			1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE	
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: APU MACHINERY ROOM (4-100-0-E) STBD SIDE, SHELL AND MARGIN PLATE BETWEEN BHD (100) AND BHD (108) AND BELOW POWER DISTRIBUTION PANELS 1 &amp; 2 APPROXIMATELY 30 SF OF HEAVY SURFACE RUST, U/T READINGS REVEALED NO SIGNIFICANT LOSS OF MATERIAL.</b>							
<b>RECOMMENDED REPAIRS:</b> RECOMMEND SHIPS FORCE POWER CLEAN ENTIRE STARBOARD BILGE AREA APPROXIMATELY 30 SF PRIME AND PAINT.							
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>							
<b>CSMP SUMMARY:</b> STBD BILGE AREA CORRODED.					TEST# MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b> H1					STEP# 1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>							
PART NO.		NOMENCLATURE		QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE	
ASSESSOR / ACT / TECH ID# <b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>				TD	TL	LOGISTICIAN	TSP

**USS DE WERT (FFG-45)**  
**AUXILIARY PROPULSION MACHINERY ROOM (4-100-0-E)**



BILGE POCKET BETWEEN BHD (100) AND POWER DISTRIBUTION PANELS 1 AND 2  
STARBOARD SIDE



SHELL AND MARGIN PLATE AT BHD (100). POWER DISTRIBUTION PANELS AND  
ASSOCIATED CABLES MAKE PRESERVATION OF THIS AREA DIFFICULT. U/T READINGS  
SHOW NO SIGNIFICANT LOSS.

**USS DE WERT (FFG-45)**  
**AUXILIARY PROPULSION MACHINERY ROOM (4-100-0-E)**



BILGE POCKET LOOKING AFT AT BHD (108).



SHELL AND MARGIN PLATE BELOW POWER DISTRIBUTION PANELS.

# MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP <b>USS DE WERT (FFG-45)</b>				
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 4-48-1-Q	WORK CENTER EM04	JSN A389		
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC	
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED			.9	
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS		CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PRIOR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	1. <b>OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		1. <b>S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 150	COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY		
<b>SAFETY HAZARD:</b> 1. <b>SERIOUS - CORRECT AS SOON AS POSSIBLE</b> 2. <b>SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED</b> 3. <b>SERIOUS - WAVIER OF EQUIPMENT/SYSTEM</b> 4. <b>SAFETY ITEM - MINOR</b> 5. <b>COMBUSTIBLE MATERIAL</b>		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE		
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: SONAR COOLING EQPT RM (4-48-1-Q)</b>								
HULL INSULATION IS TRAPPING WATER AND HIDING CORROSION.								
<b>RECOMMENDED REPAIRS:</b>								
RECOMMEND SHIPS FORCE REMOVE HULL INSULATION FROM DECK TO OVERHEAD AND BHD TO BHD APPROXIMATELY 100 SF. POWER CLEAN AREAS TO BARE METAL, PRIME AND PAINT WITH A NON-SWEAT COATING. REPLACEMENT OF INSULATION IS NOT RECOMMENDED.								
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>								
<b>CSMP SUMMARY:</b> SATURATED INSULATION CAUSING HIDDEN CORROSION ON SHELL AND STRINGERS.						TEST# MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b> H1						STEP# 1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>								
PART NO.		NOMENCLATURE		QTY	NSN	COST		
1								
2								
3								
4								
5								
6								
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE		
ASSESSOR / ACT / TECH ID# <b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>				TD	TL	LOGISTICIAN	TSP	

**USS DE WERT (FFG-45)**  
**SONAR COOLING EQUIPMENT ROOM (4-48-1-Q)**



CONDENSATION CREATED BY SONAR COOLING EQUIPMENT IS TRAPPED BY HULL INSULATION CAUSING HIDDEN CORROSION. REMOVAL OF INSULATION FROM DECK TO OVERHEAD AND USE OF A NON-SWEAT COATING IS HIGHLY RECOMMENDED. THIS HAS BEEN ACCOMPLISHED ON SEVERAL FFG-7 CLASS SHIPS.



TYPICAL VIEW OF CORROSION ON SHELL AND STRINGERS.

# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b> <b>USS DE WERT (FFG-45)</b>				
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 3-140-1-L	WORK CENTER EM04	JSN A395		
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC	
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED			.9	
TYPE AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS		CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST <b>4. SHIP'S FORCE</b> 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY <b>3. PRIOR TO NEXT DEPLOYMENT</b> 4. DURING POST DEPLOYMENT AVAILABILITY	1. <b>OPERATIONAL</b> 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 1	MAN HRS REMAINING 150	COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY		
<b>SAFETY HAZARD:</b> 1. <b>SERIOUS - CORRECT AS SOON AS POSSIBLE</b> 2. <b>SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED</b> 3. <b>SERIOUS - WAVIER OF EQUIPMENT/SYSTEM</b> 4. <b>SAFETY ITEM - MINOR</b> 5. <b>COMBUSTIBLE MATERIAL</b>		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE		
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: CLEANING GEAR LOCKER (3-140-1-L)</b>								
TERRAZZO DECK COVERING IS DAMAGED WHERE IT MEETS SHELL TRAPPING WATER AND CAUSING CORROSION.								
<b>RECOMMENDED REPAIRS:</b>								
RECOMMEND SHIPS FORCE REMOVE TERRAZZO DECK COVERING APPROXIMATELY 24 SF, POWER CLEAN AREA EXPOSED BY REMOVALS, PRIME AND PAINT. REPLACEMENT OF DECK COVERING TO BE ACCOMPLISHED BY OUTSIDE REPAIR ACTIVITY.								
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>								
<b>CSMP SUMMARY:</b> DECK COVERING IS DAMAGED CAUSING CORROSION.						TEST# MRC 1102/1		
<b>ROOT CAUSE/AMPLIFICATION:</b> H1						STEP# 1,2,3,4 & 5		
<b>SYSTEM LEVEL IMPACT:</b>								
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>	PHONE		
ASSESSOR / ACT / TECH ID# <b>J. LaROCK/ T. WHITMORE QED SYSTEMS INC.</b>				TD	TL	LOGISTICIAN	TSP	

# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b>						
				<b>USS DE WERT (FFG-45)</b>						
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011		EIC		APL		RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY			IDENT/SERIAL N/A		LOCATION 3-140-1-L		WORK CENTER EM04		JSN A394	
EQUIPMENT STATUS		PROBLEM STATUS			CATEGORY			EOC		
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS			1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b>			4. D - DOWN 5. L - LIMITED  .9		
TYPE AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE		DEFERRAL REASON		
<b>1. DEPOT</b>  2. IMA  3. TECH ASSIST  4. SHIP'S FORCE  5. SFWL		1. IMMEDIATELY  2. PRIOR TO NEXT UNDERWAY  3. PRIOR TO NEXT DEPLOYMENT  <b>4. DURING POST DEPLOYMENT AVAILABILITY</b>		1. OPERATIONAL  2. NON-OPERATIONAL  <b>3. REDUCED CAPABILITY</b>  4. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2		MAN HRS REMAINING 150		COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY		
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL				1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE		
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: CLEANING GEAR ROOM (3-140-1-L)</b>										
TERRAZZO DECK COVERING IS DAMAGED WHERE IT MEETS SHELL TRAPPING WATER AND CAUSING CORROSION.										
<b>RECOMMENDED REPAIRS:</b> IN CONJUNCTION WITH SHIPS FORCE REMOVAL OF DECK COVERING RECOMMEND REPAIR ACTIVITY INSTALL APPROXIMATELY 24 SF OF BROADCAST QUARTZ DECK COVERING.										
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>										
<b>CSMP SUMMARY:</b> DECK COVERING IS DAMAGED CAUSING CORROSION.							<b>TEST#</b> MRC 1102/1			
<b>ROOT CAUSE/AMPLIFICATION:</b> H1							<b>STEP#</b> 1 THRU 5			
<b>SYSTEM LEVEL IMPACT:</b>										
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>		SECOND CONTACT <b>BROOKS</b>		RATE <b>HT1</b>		PHONE		
ASSESSOR / ACT / TECH ID# <b>J. LAROCK / T. WHITMORE QED SYSTEMS INC.</b>				TD		TL		LOGISTICIAN		TSP

**USS DE WERT (FFG-45)**  
**CLEANING GEAR LOCKER (3-140-1-L)**

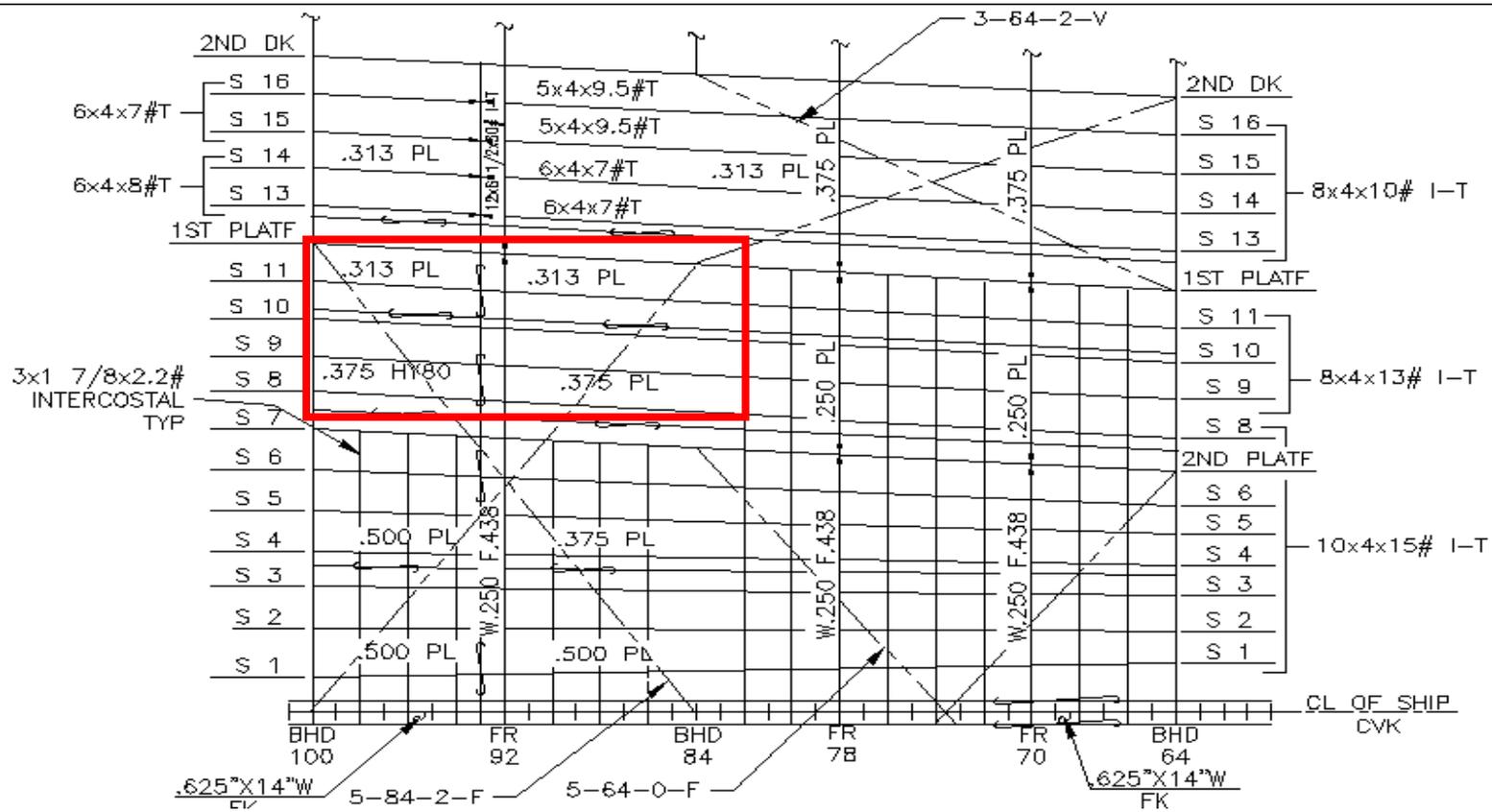


ARROW INDICATES DAMAGED TERRAZZO DECK COVERING WHERE IT MEETS SHELL PLATING. REMOVING TERRAZZO AND REPLACING WITH (PRC) DECK COATING IS RECOMMENDED.

# MATERIAL ASSESSMENT FORM

<b>ITEM NUMBER</b>				<b>SHIP</b>						
<b>USS DE WERT (FFG-45)</b>										
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011		EIC		APL		RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY			IDENT/SERIAL N/A		LOCATION 3-84-0-E		WORK CENTER EM04		JSN A366	
EQUIPMENT STATUS		PROBLEM STATUS			CATEGORY				EOC	
1. SAT - SATISFACTORY <b>2. UNSAT - UNSATISFACTORY</b> 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* <b>4.S - SHIP'S FORCE</b> *UNCORRECTED PROBLEMS			1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY <b>3. H - HARDWARE</b> 4. D - DOWN 5. L - LIMITED				.9	
TYPE AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE		DEFERRAL REASON		
<b>1. DEPOT</b>  2. IMA  3. TECH ASSIST  4. SHIP'S FORCE  5. SFWL		1. IMMEDIATELY  2. PRIOR TO NEXT UNDERWAY  3. PRIOR TO NEXT DEPLOYMENT  <b>4. DURING POST DEPLOYMENT AVAILABILITY</b>		1. OPERATIONAL  2. NON-OPERATIONAL  <b>3. REDUCED CAPABILITY</b>  4. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN <b>7. NORMAL WEAR AND TEAR</b> 8. NOT APPLICABLE		<b>1. S/F BACKLOG/OPERATIONAL PRIORITY</b> 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2		MAN HRS REMAINING 1000		COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY		
<b>SAFETY HAZARD:</b> 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL				1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL <b>3. HIGHLY DESIRABLE</b> 4. DESIRABLE		
<b>DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: A/C MACHINERY ROOM (3-84-0-E)</b>										
TANK TOP / DECK UNDER A/C PLANT IS THINNING. SEVERAL READINGS WERE BELOW THE 25% WASTAGE CRITERIA.										
TANK TOP / DECK BETWEEN A/C PLANT AND SHELL HAS HEAVY CORROSION. IT IS IMPOSSIBLE FOR SHIPS FORCE TO MAINTAIN THE AREA DUE TO THE CLOSE PROXIMITY OF EQUIPMENT, BHD, AND SHELL.										
<b>RECOMMENDED REPAIRS:</b>										
RECOMMEND REPAIR ACTIVITY, REMOVE INTERFERENCES (A/C PLANT AND ASSOCIATED PIPING). GAS FREE TANK (5-84-2-F)										
CUT OUT APPROXIMATELY 60 SF, REPLACE WITH .250 MILD STEEL REPLACE INTERFERENCES, PERFORM NDT ON TANK PRIME AND PAINT										
<b>SSPORT C221 POC: A. DAVIS (757-396-4001) TPOC: N. TAGLIANETTI</b>										
<b>CSMP SUMMARY:</b>							<b>TEST#</b>			
TANK TOP / DECK IS THINNING							MRC 1102/1			
<b>ROOT CAUSE/AMPLIFICATION:</b>							<b>STEP#</b>			
H1							1, 2, 3, 4 & 5			
<b>SYSTEM LEVEL IMPACT:</b>										
PART NO.		NOMEMCLATURE				QTY	NSN		COST	
1										
2										
3										
4										
5										
6										
FIRST CONTACT <b>HILLYARD</b>		RATE <b>MR1</b>	SECOND CONTACT <b>BROOKS</b>			RATE <b>HT1</b>		PHONE		
ASSESSOR / ACT / TECH ID# <b>J. LAROCK / T. WHITMORE QED SYSTEMS INC.</b>					TD	TL		LOGISTICIAN	TSP	

**USS DE WERT (FFG-45)  
A/C MACHINERY ROOM (3-84-0-E)**



A/C MACHINERY ROOM (4-84-0-E)

RED BOX INDICATES AREA OF INSPECTION

**USS DE WERT (FFG-45)**  
**A/C MACHINERY ROOM (3-84-0-E)**



A/C PLANT NO. 1



CORROSION ON DECK BETWEEN FOUNDATION AND BHD (100)

**USS DE WERT (FFG-45)**  
**A/C MACHINERY ROOM (3-84-0-E)**



CORROSION ON DECK BELOW A/C PLANT



**USS DE WERT (FFG-45)**  
**A/C MACHINERY ROOM (3-84-0-E)**

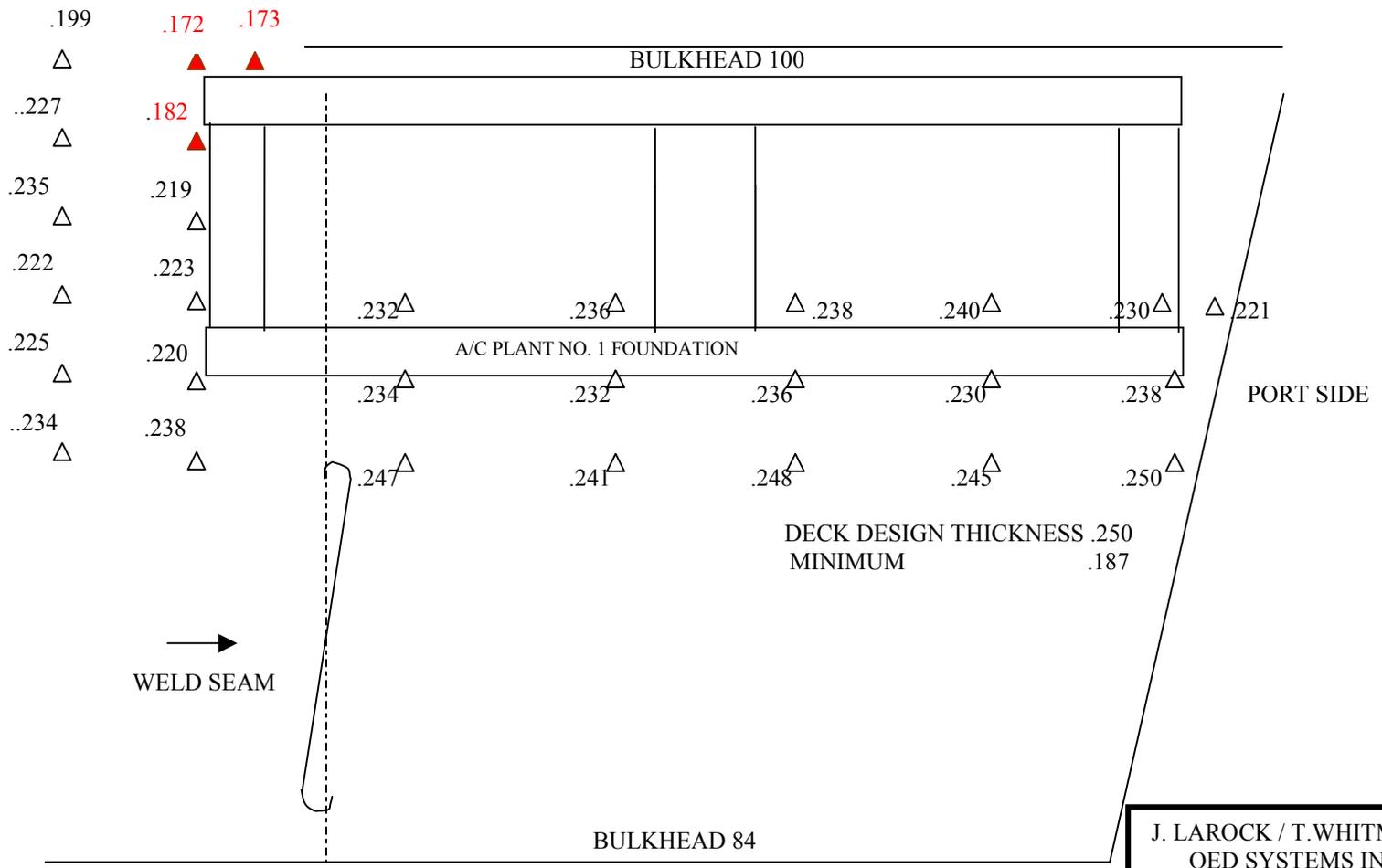


CORROSION ON DECK BETWEEN A/C PLANT AND SHELL. NOTE THE CLOSE PROXIMITY OF A/C PLANT NO. 1 AND SHELL. THIS PREVENTS SHIPS FORCE FROM PERFORMING PROPER MAINTAINANCE



DAMAGED LAGGING ON SHELL PLATE OUTBOARD OF A/C PLANT.

**USS DE WERT (FFG-45)  
A/C MACHINERY ROOM (3-84-0-E)**



J. LAROCK / T. WHITMORE  
QED SYSTEMS INC.  
03/09/02

### FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<b>3RD DECK</b>					
3-20-0-Q	N	N	Y		SPACE REQUIRES GAS FREE
3-32-2-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-32-1-K	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-36-2-T	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-40-2-A	Y	Y	Y		
3-46-1-A	Y	Y	Y		
3-48-2-A	Y	Y	Y		
3-53-2-A	Y	Y	Y		
3-56-0-A	Y	Y	Y		
3-64-2-V	NOT DURING SHIP CHECK	N	Y		SPACE REQUIRES GAS FREE
3-64-1-V	NOT DURING SHIP CHECK	N	Y		SPACE REQUIRES GAS FREE

### FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<b>3RD DECK</b>					
3-84-0-E	Y	Y	Y	FRS 94-100 STBD SIDE SHELL, DECK TO OVERHEAD  FR 95, PORT SIDE, ON TANK TOP	ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE SHELL ASSESSABLE)  ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA - STBD FWD BHD 84 TO FRAME 93, 5'-6" OFF DECK ELECT PANELS)
3-93-1-Q	Y	Y	Y		ACCESSIBLE LAGGING 100% STBD SIDE
3-100-0-L	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA PORT AND STBD FROM FRAME 115 TO AFT BHD 140, 6' 3" OFF DECK - BUNKS)
3-100-1-L	Y	Y	Y		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAME 100 TO 113)
3-113-0-L	Y	Y	Y	FR 113-124, STBD SIDE OF SHELL, DECK TO OVERHEAD	LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAME 113 TO 123)
3-140-2-L	Y	Y	Y		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAME 140 TO 155)

### FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<b>3RD DECK</b>					
3-140-1-L	Y	Y	Y		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAMES 140 TO 155)
3-144-0-L	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA, PORT & STBD FRAME 165 TO 180, 6'3" OFF DECK BUNKS)
3-156-2-Q	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE SHELL ASSESSABLE)
3-154-1-Q	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-180-2-C	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-180-5-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-196-2-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-236-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-236-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-240-1-F	Y	N	Y		SPACE REQUIRES GAS FREE

### FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<b>3RD DECK</b>					
3-240-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-272-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-272-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-278-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-278-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-286-2-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-286-1-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-292-8-F	Y	N	Y		SPACE REQUIRES GAS FREE
3-316-1-J	Y	N	Y		SPACE REQUIRES GAS FREE
3-322-1-J	Y	N	Y		SPACE REQUIRES GAS FREE
3-328-0-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)

### FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<b>4TH DECK</b>					
4-H-0-V	Y	N	Y		SPACE REQUIRES GAS FREE
4-20-0-W	Y	N	Y		SPACE REQUIRES GAS FREE
4-27-0-V	N	N	Y		SPACE REQUIRES GAS FREE FR 27 FR 32 P/S FROM 3' UP 26' 4 1/16
4-32-0-Q	Y	N	Y		
4-48-2-L	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-48-1-Q	Y	Y	Y	FR 49-55 STBD SIDE OF SHELL, 4'-0' OFF DECK	ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA FRAME 50 TO AFT BHD 56, 4'-0' OFF DECK HEATEX & PPG)
4-56-2-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-56-0-M	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)

### FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX

<b>SPACE NUMBER</b>	<b>SPACE ASSESSABLE</b>	<b>LAGGING INSTALLED ON BHD</b>	<b>IS THE SPACE INSPECTED DURING SEMAT 1</b>	<b>HISTORICAL HOT SPOT</b>	<b>COMMENTS</b>
<b>4TH DECK</b>					
4-64-0-Q	Y	N	Y		
4-100-0-E	Y	Y	Y	FR 100-101 STBD SIDE OF SHELL 6'BELOW GRATING	ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT & STBD SHELL ASSESSABLE)
4-100-0-Q	Y	Y	Y	TANK TOP FOR 5-140 & 5-164-2F	STAINLESS STEEL 100% (100% OF PORT SIDE SHELL ASSESSABLE)
4-140-0-Q	Y	Y	Y	N	100% ASSESSABLE
4-140-2-A	Y	Y	Y	N	100% ASSESSABLE
4-140-3-A	Y	N	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-152-1-A	Y	N	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-160-0-Q	Y	N	Y		100% OF PORT AND STBD SHELL ASSESSABLE
4-172-1-E	Y	Y	Y	FR 174-180 STBD OF SHELL 6" BELOW GRATING BETWEEN L7-L9	100% OF PORT & STBD SHELL ASSESSABLE

**FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX**

<b>SPACE NUMBER</b>	<b>SPACE ASSESSABLE</b>	<b>LAGGING INSTALLED ON BHD</b>	<b>IS THE SPACE INSPECTED DURING SEMAT 1</b>	<b>HISTORICAL HOT SPOT</b>	<b>COMMENTS</b>
<b>5TH DECK</b>					
5-FF-0-V	N	N	N		INACCESSIBLE VOID FR 18 - FR 32, P/S. FROM STEM UP 4FT. FR 5 - FR 18, P/S. FROM STEM UP ~6FT; FR E - 12, P/S. FROM STEM UP ~10FT
5-32-0-W	N	N	Y		SPACE REQUIRES GAS FREE
5-51-0-Q	Y	N	Y		100% OF PORT & STBD SHELL ASSESSABLE
5-56-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-64-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-84-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-84-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-100-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-100-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-100-4-F	N	N	Y		SPACE REQUIRES GAS FREE
5-100-3-F	N	N	Y		SPACE REQUIRES GAS FREE
5-116-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-116-1-F	N	N	Y		SPACE REQUIRES GAS FREE

**FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX**

<b>SPACE NUMBER</b>	<b>SPACE ASSESSABLE</b>	<b>LAGGING INSTALLED ON BHD</b>	<b>IS THE SPACE INSPECTED DURING SEMAT 1</b>	<b>HISTORICAL HOT SPOT</b>	<b>COMMENTS</b>
<b>5TH DECK</b>					
51/2-116-0-V	N	N	N		INACCESSIBLE VOID FR 116 - FR 132, P/S FROM KEEL UP ~4FT
5-132-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-137-1-T	N	N	N		SPACE REQUIRES GAS FREE
5-140-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-140-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-164-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-164-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-164-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-170-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-180-0-E	Y	Y	Y	FRAME 180, PORT 15'-0" OFF CL, 8' SQFT	SHELL NON-ASSESSABLE ON PORT SIDE FRAME 180 TO 195, FRAME 204 TO 212, OVERHEAD TO BILGE, TANK & FND
5-180-01-E	Y	Y	Y		100% OF STBD SHELL ASSESSABLE
5-192-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-201-1-F	N	N	Y		SPACE REQUIRES GAS FREE
5-201-3-F	N	N	Y		SPACE REQUIRES GAS FREE

### FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<b>5TH DECK</b>					
5-204-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-204-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-212-0-E (UL)	Y	Y	Y	FRS 215-220 PORT SIDE OF SHELL, U/L BETWEEN L13-L14	ACCESSIBLE HIDDEN LAGGED UPPER LEVEL. (NOT ACCESSIBLE AREA, PORT SIDE FRAME 220 TO 224, 5'-0" OFF U/L GRATING VOLTAGE REGULATOR)
5-212-0-E (LL)	Y				ASSESSABLE HIDDEN, LAGGED LOWER LEVEL, ACCESSIBLE AREA PORT FRAME 212 TO 228, L10 TO BILGE AREA, STBD FRAME 212 TO 228 L8 TO BILGE AREA. (NOT ACCESSIBLE AREA - PORT & STBD FRAME 228 TO 250, FROM U/L TO BILGE AREA FUEL OIL HEATER)
5-220-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-222-1-F	N	N	N		SPACE REQUIRES GAS FREE

**FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX**

<b>SPACE NUMBER</b>	<b>SPACE ASSESSABLE</b>	<b>LAGGING INSTALLED ON BHD</b>	<b>IS THE SPACE INSPECTED DURING SEMAT 1</b>	<b>HISTORICAL HOT SPOT</b>	<b>COMMENTS</b>
<b>5TH DECK</b>					
5-226-2-E	Y	Y	Y		SHELL NON-ASSESSABLE FRAME 225 TO 229, 4'-2" OFF U/L GRATING, FRAME 235 TO 250, 6'-3" OFF U/L GRATING - AIR FLASK, MANIFOLD & FUEL TANK
5-226-1-E	Y	Y	Y		SHELL NON-ASSESSABLE FRAME 225 TO 229, 4'-2" OFF U/L GRATING, FRAME 235 TO 250, 6'-3" OFF U/L GRATING, AIR FLASK, MANIFOLD & FUEL TANK
5-250-0-E	Y	Y	Y	FR 271-272 PORT SIDE OF SHELL TOP OF L0 TANK TOP	LAGGED EXCEPT FOR BILGE AREA, AT 18" ABOVE GRATING INTO BILGE AREA, (SHELL NON-ASSESSABLE ON PORT 1'-0" AFT OF FRAME 270 TO FRAME 292, FROM 5'-0" OFF GRATING, STBD FRAME 265 TO 270 FROM 1'-0" FROM OVERHEAD TO 6" BELOW GRATING, 14" AFT OF FRAME 270 TO 273, 5'-0" OFF GRATING POWER PANELS)

### FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<b>5TH DECK</b>					
5-250-0-E (CONT'D)	Y	Y	Y	FR 250 PORT SIDE OF SHELL, BETWEEN L9-L12	
5-250-0-E (CONT'D)	Y	Y	Y	FR 258-264 STBD SIDE OF SHELL, BETWEEN L9-L12	
5-250-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-250-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-270-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-276-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-290-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-292-0-E	Y	Y	Y	FR 316-328 PORT SIDE OF SHELL BETWEEN L5-L9	ACCESSIBLE HIDDEN LAGGED, ASSESSABLE AREA PORT FRAME 292 TO 318, DK GRATING TO OVERHEAD (SHELL NON-ASSESSABLE ON PORT FRAME 318 TO 328, 2'-0" FROM GRATING TO OVERHEAD OF SPACE, STBD FRAME 292 TO 300, 3'-0" OFF GRATING

### FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<b>5TH DECK</b>					
5-292-0-E (CONT'D)	Y	Y	Y	FR 316-328 PORT SIDE OF SHELL BETWEEN L5- L9	TO OVERHEAD, FRAME 305 TO 308, 3'-0" OFF GRATING TO OVERHEAD, FRAME 313 TO 328, 6'- 3" OFF GRATING & POWER PANELS
5-292-0-E (CONT'D)			Y	FR 292-328 PORT SIDE OF SHELL BETWEEN L1- L3	
5-292-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-292-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-292-3-W	N	N	N		SPACE REQUIRES GAS FREE
5-308-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-308-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-328-0-J	N	N	N		SPACE REQUIRES GAS FREE
5-328-2-W	N	N	N		SPACE REQUIRES GAS FREE

**FFG-7 CLASS STRUCTURAL ASSESSMENT MATRIX**

<b>SPACE NUMBER</b>	<b>SPACE ASSESSABLE</b>	<b>LAGGING INSTALLED ON BHD</b>	<b>IS THE SPACE INSPECTED DURING SEMAT 1</b>	<b>HISTORICAL HOT SPOT</b>	<b>COMMENTS</b>
<b>5TH DECK</b>					
5-328-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-344-0-J	N	N	N		SPACE REQUIRES GAS FREE
5-368-0-V	N	N	N		SPACE REQUIRES GAS FREE
5-368-0-E	Y	Y	Y		ACCESSABLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
5-376-1-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
5-386-0-V	N	N	N		INACCESSIBLE VOID FRAME 386 TO 392, P/S, FROM KEEL UP ~2FT; FRAME 392 TO 400, S, FROM KEEL UP ~2FT; FRAME 400 TO 408 P/S FROM KEEL UP ~2FT
5-390-1-A	Y	Y	Y	N	SPACE 100% ACCESSABLE
5-392-0-V	N	N	N		SPACE REQUIRES GAS FREE