

Appendix N: MARAD OPDS Shore Set

NAME	DESCRIPTION
ACTUATOR	BUTTERFLY VALVE, 8" AND 10", 30:1 RATIO ASSEMBLY, EQ # 9702-OUTFG-04A SALM PIPING SYSTEM
ADAPTER	"A", ALUMINUM, 2 1/2",
ADAPTER	"D", ALUMINUM, 2 1/2"
ADAPTER	"D", ALUMINUM, 6"
ADAPTER	BRASS, 2 1/2" MALE NST X 2 1/2" MALE NPT
ADAPTER	MALE AND FEMALE, WITH PIG CATCHER, ALT P/N C16-203-SP
ADAPTOR	FLANGE, CAMLOCK 6"
ADAPTOR	FLANGE, CAMLOCK, 4"
ADAPTOR	FLANGE, SINGLE GROOVE VICTALLIC 4"
ADAPTOR	FLANGE, SINGLE GROOVE VICTALLIC 6"
AMPLIFIER	LINE TYPE, S/N 1874 DWG NO. JB-WB-224
ANCHOR	1500LBS, LWT/DANFORTH, EQ 9716-OUTFG-02A OUB TOW TUG
ANCHOR	DANFORTH, 75 LB.
ANCHOR	DUCKBILL, EARTH, ALT P/N 152134
ANCHOR	MUSHROOM, 50LBS, ALT MFG SEABOARD
ANCHOR	NAVMOR (100 LB)
ANTI-SEIZE	6 OZ
BAG	AIR, LIFT, PARACHUTE TYPE, 2200 LB CAPACITY, MODEL DLE 1
BAG	TOOL, CANVAS 18" ALT P/N MFR KLEIN 5102-18
BAR	CROW, WRECKING, WEDGE POINT, 1-1/4" X 57", 16 LB, ALT P/N MFR COLLINS AXE PP 18, MCMaster-CARR 5891A
BAR	PINCH-OFF SET, 14", ALT P/N MFR PROTO 2120
BAR	SPREADER, FOR TOWING BRACKET ASSEMBLY, 1 EA AMERICAN OSPREY SALMCAGE
BAR	SPREADER, W/3 SLING, 5 TON, USE WITH 40' HOSE SECTIONS FOR TANKER RAIL HOSES, 4 EA LOC LWRCGOHDPORT
BAR	SS 2" DIA ROUND BAR, EQ # 9700STENEZP SUBMARINE HOSE TOWING ARRANGEMENT
BAR	THREADED, 5/8" X 6' LG, WITH TEN EA 5/8" UNC NUT AND WASHERS ATTACHED
BASKET	STRAINER, EQ# 9700-OUTFG-01A, OPDS CONDUIT FLOODING BUOY
BATTERY	BATTLE LANTERN 6 VOLT (12 EACH PER BOX) ALT P/N MFR EVEREADY EV90
BATTERY	D CELL 1 BOX OF 12 EACH, ALT P/N MFR MCMaster-CARR 71455K55
BATTERY	FOR MAIN BUOY 12 V 115 AH PHOTOVOLTAIC-RECHARGEABLE, ALT P/N MFR AUTOMATIC POWER AA1-1200, APB-1295A
BATTERY	GELTYPE, 6 VOLT, 1.35 VOLYS 1200 AH (FOR NAVLTS) ALT P/N MFR AUTOMATIC POWER AA1-1200,
BELL	BRASS, WITH BRACKET, NOMINAL DIA MOUTH 8",
BLADE BUNDLE	HACKSAW, 12 X 18 TPI, 10 PER BUNDLE, ALT P/M MC MASTER CARR 4050A5
BLADE BUNDLE	HACKSAW, 12 X 24 TPI, 10 PER BUNDLE, ALT P/M MC MASTER CARR 4050A6
BLOCK	1" STAINLESS STEEL HALYARD, W1/4" SS SHACKLE. ALT P/N MFR MCMaster-CARR 3083T21 3583T34 AND ALT P/N
BLOCK	MOUNTING, ALT P/N MFR ENERPAC RB-5
BLOCK	SNATCH, 12 TON, STAR WHEEL, WITH SAFETY SHACKLE, ALT P/M MC KISSICK 107262
BLOCK	SNATCH, 2 TON, STAR WHEEL, WITH SAFETY SHACKLE 1 3/8" STDALT P/N MFR MCMaster-CARR 3257T24
BLOCK	SNATCH, 8 TON, 6" SHEAVE FOR 3/4" DIA WIRE ROPE ALT P/N MFR MCMaster-CARR 3197T23 419A WITH SHACKLE
BOLT	1" X 5" 8 UNC HEAVY HEX, ALT P/N MFR MCMaster-CARR 91571A340

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BOLT	2-1/2"-8 UNC X 9" LG, INSTRUMENTED PIN, 1 EA AMERICAN OSPREY LOCATION OPDSDIVELKRDK BOX OUT-05
BOLT	3" X 1-1/2" (USED TO MOUNT CLAMP DEVICE) ALT P/N MFR FASTENAL 13665 ALT P/N F 3007 A
BOLT	3/4"-10 UNC X 4" USED TO ATTACHED FLOODING CHAMBER, OPDS CONDUIT FLOODING BUOY 9700-OUTFG-01A
BOLT	5/8" X 2-1/2"-11 UNC, ALT P/N MFR MCMMASTER-CARR 91571A270, (25 PER BOX)
BOLT	HEX HD, 5/8"-11 UNC X 2" LG, 316 SS, PART OF ASSY P/N 160EL3-5, ALT P/N MFR MCMMASTER-CARR 91571A266
BOLT	STEEL, 3/4" X 2-1/4" LG, WITH NUTS, ALT P/N MFR MCMMASTER-CARR 92655A315, 91849A645, 91571A292
BOUY	BOUY, ROUTE MARKER, WITH LIGHT AND ANCHOR, ALT P/M TIDELAND SIGNAL CORP HOUSTON TX P/N 73-95, SPAR,
BOX	TOOL
BRACKET	HOSE SUPPORT, WITH STUDS AND NUTS 6 EA, DWG 160-PT-3, 1 EA LOCATION OPDSDIVELKR SHELF D
BRIDLE	AUXILIARY SUPPORT, 57.5' OF NO 11 KARAT ROPE, ENDLESS GROMET, WITH MINIMUM BREAKING STRENGTH OF 425
BRIDLE	AUXILIARY, SUPPORT, EXTENSION 30', OF NO. 11 KARAT ROPE ENDLESS GROMMET W/MIN BREAKING STENGTH OF 4
BRIDLE	LEGS, WITH SOFT EYES 1/2" X 8'
BRUSH	WIRE, ALT P/N MFR MCMMASTER-CARR 7188T6
BUOY	ANCHOR, 5" X 24" , ALT P/N MODEL 422
BUOY	CHAIN SUPPORT, LARGE, 3' DIA X 6' 3-1/2", 2 EA LOCATION SALMDK AND FCSLSTBDOVERHEAD
BUOY	HOSE SUPPORT, 1000KG NET BUOYANCY, SAMSOM CB-2 OR EQUAL, 1 EA AMERICAN OSPREY, LOCATION SALMBOW
BUOY	LIFE RING, 24", WITH DISTRESS MARKER LIGHT, WITH 100' LINE, (FOR LIGHT-GUEST MODEL 326-A)ALT P/N JBO
BUOY	PEAR SHAPED INFLATABLE (ORANGE) ALT P/N MFR POLY FOAM A4 200 LB LIFT, EQ # 9700-OUTFG-01A OPDS CONDU
BUOY	PICK UP, SMALL, ORANGE, ALT P/M SAMSON CB-2 OR EQUAL, 6 EA AMERICAN OSPREY FCSLFWDSTBD
BUOY	PUMPKIN, 200 LB LIFT, 60", ALT P/N MFR POLY FOAM/A4
CABLE ASSEMBLY	19 CONDUCTOR, 100 MLG
CABLE ASSEMBLY	4 CONDUCTOR, NEOPRENE, 33MLG REF EQ NO: 9703OUTFG05A
CABLE ASSEMBLY	4 CONDUCTOR, NEOPRENE, X 5MLG REF EQ NO: 9703OUTFG05A ALT MFR OCEAN TECHNICAL SYSTEM
CABLE ASSEMBLY	INTER CONNECT SUB SEA 60' FOR TRANSPONDER, ALT P/N MFR ROYAL ELECTRIC CO. P-122-66
CABLE	EXTENSION, 50 M,
CAN	GERRY 5 GAL (ENGINE OIL) ALT P/N MFR MCMMASTER-CARR 4303T5 ALT P/N CID A-A-59592
CAN	GERRY 5 GAL (HYD OIL 1W MILSPEC 2110 AND 1/W MILSPEC 6083, ALT P/N MFR MCMMASTER-CARR 4303T5, ALT P/N
CAN	GERRY 5 GAL (WATER) ALT P/N MFR MCMMASTER-CARR 4303T5, ALT P/N CID A-A-59592
CAP	3" W/0-25 PSI GAGE, NAVSEA REQUIREMENT 3/99
CAP	3" W/1-1/2" BALL VALVE AND CHICAGO FITTING NAVSEA REQUIREMENT 3/99, ALT P/N MFR MCMMASTER-CARR 4726K1
CAP	DUST, TYPE IV, 4" COUPLING HALF, QUICK DISCONNECT, CAM LOCKING TYPE, ALT P/N MS27028-18 MIL-C-27487
CAP	DUST, TYPE IX, 6" COUPLING HALF, QUICK DISCONNECT, CAM LOCKING TYPE, ALT P/N MS27028-18 MIL-C-27487
CAP	KNOCK-OFF, WITH INFLATION FITTING, ALT MFR WECO 3" FIG 207

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CAP	KNOCK-OFF, WITH PRESSURE GUAGE 0-5 PSI, ALT MFR FMC WECO 3" FOG 207, ALT P/M ASHCROFT SIZE 25, TYPE
CAP	PULL PLUG, WITH 2-1/2", BALL VALVE,
CHAIN ASSEMBLY	1 1/8" DIA STUD LINK CHAIN GR 2, 105 COMMON LINKS 39' 4 1/2' OVAL, 2 EA LOCATION SALMCAGE
CHAIN ASSEMBLY	1 1/8" DIA STUD LINK, CHAIN GR2, 105 COMMON LINKS 39' 4 1/2" OVAL,
CHAIN ASSEMBLY	CHAFE 3" (TWO COMMON LINKS WITH ONE ENLARGED LINK AND ONE OPEN LINK AT EACH END) 1 EA AMERICAN OSPRE
CHAIN ASSEMBLY	CHAFE, OCIMF, C, 2 1/8" DIA, FOR 100,000 TON DWT TANKER
CHAIN HOIST	3 TON, HAND PULL, 5' LIFT, ROUSTABOUT LEVER, MODEL LV-6000, ALT P/M BEEBE R3-600 OR EQUAL, ALT P/M J
CHAIN SUPPORT	1" X 4', WITH ALL OPEN LINKS AND 2 EACH 1 3/8" ANCHOR SAFETY SHAKLES, 1 EA AMERICAN OSPREY LOC SALM
CHAIN	1 INCH X 6 FEET FOR ANCHOR BUOY
CHAIN	1" CIRCUMFERENCE X 45' LG FOR USE WITH 75 LBOR 100 LB ANCHORS, ALT P/N MFR MCMMASTER-CARR 3457T23
CHAIN	3/4" STUD LINK ANCHOR GRADE C,3-SHOT, 90 FEET EACH, 68 KIP BREAKING STRENGHT, 480 LB/SHOT, ALT P/N 4
CHAIN	CHAFE, SPECIAL, 2-1/8" X 10', 12 COMMON LINKS WITH ENLARGED LINK, 1 END LINK, 2 EA LOC SALMDK AND FC
CHAIN	HANG-OFF, 5/8" DIA X 15' LG, 20,300 LB SWL WITH HOOK ON EACH END, TYPE GG ALT P/N GG-16-8, 2 EA AMER
CHAIN	LINK STUD, 3 1/2" DIA, 1 COMMON LINK, GRADE ORQ, 1 EA AMERICAN OSPREY, LOC SALMCAGE
CHAIN	LINK STUD, 3 1/2" DIA, 12 COMMON LINKS, GRADE ORQ, 1 EA AMERICAN OSPREY LOC SALMDK
CHAIN	LINK STUD, 3 1/2" DIA, 13 COMMON LINKS, GRADE ORQ, 1 EA AMERICAN OSPREY LOC SALMDK
CHAIN	LINK STUD, 3 1/2" DIA, 2 COMMON LINKS, GRADE ORQ, 1 EA AMERICAN OSPREY LOC SALMDK
CHAIN	LINK STUD, 3 1/2" DIA, 26 COMMON LINKS, GRADE ORQ, 1 EA AMERICAN OSPREY LOC SALMDK
CHAIN	LINK STUD, 3 1/2" DIA, 3 COMMON LINKS, GRADE ORQ, 1 EA AMERICAN OSPREY LOC SALMDK
CHAIN	LINK STUD, 3 1/2" DIA, 5 COMMON LINKS, GRADE ORQ, 1 EA AMERICAN OSPREY LOC SALMDK
CHAIN	LINK STUD, 3 1/2" DIA, 52 COMMON LINKS, GRADE ORQ, 1 EA AMERICAN OSPREY LOC SALMDK
CHAIN	SNUBBING ASSEMBLY, 5/8"DIA X 45' LG, 20,300 LB SWL, WITH 2 ALLOY BERLOCK CHAIN COUPLER, TYPE PNBL-16
CHAMBER	FLOODING, W/BLANK FLANGE, EQ# 9700-OUTFG-01A OPDS CONDUIT FLOODING BUOY
CHARGER	BATTERY UNIT, W/CABLE, ALT MFR OCEAN TECHNICAL SYSTEM
CHEMLIGHT	GREEN 1 BOX OF 10 EACH, ALT P/N MFR MCMMASTER-CARR 5712T43 (SPECIFY GREEN) OMINI GLOW/CYALUME 9-42290
CHISEL SET	COLD, HAND, ALT P/N MFR MCMMASTER-CARR 3575A23
CHUTE	BOW, WITH MAST, S/N F-1204-002
CHUTE	STERN, WITH MAST, S/N F-1204-002
CLAMP	6" HEAVY DUTY BOLT TYPE, ALT P/N MFR MCMMASTER-CARR 5411K88, EQ 9700-OUTFG-01A OPDS CONDUIT FLOODING
CLAMP	BASE, WITH HYDRAULIC CYLINDER AND HOSE, S/N F-1204-002, ALT P/N E-80C-006
CLAMP	BASE, WITH HYDRAULIC CYLINDER AND HOSE, S/N F-1204-002, ALT P/N E-80C-006
CLAMP	MOUNTING, TRANSPONDER
CLEVIS	JACK

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CLIP	WIRE 1/4" SS, ALT P/N MFR MCMMASTER-CARR 3465T13, EQ # 9700-OUTFG-01A
CLIP	WIRE ROPE, 1/2", CROSBY G-450 OR EQUAL, ALT P/N MFR MCMMASTER-CARR 3465T17
CLIP	WIRE ROPE, 3/4"
CLIP	WIRE ROPE, 5/8" CROSBY G-450 OR EQUAL, ALT P/N MFR MCMMASTER-CARR 3465T38
CLIP	WIRE ROPE, 9/16", CROSBY G450 OR EQUAL
COLLAR	RESTRAINING, 6", FOR MALE AND FEMALE COUPLING, ALT MFR MANULI, 1 EA AMERICAN OSPREY LOC OPDSDIVELKR
COME ALONG	1 1/2 TON, 5/16" WIRE STRAP, WITH RACHET AND HANDLE, ALT P/N MFR MCMMASTER-CARR 3349T23, ALT P/N 6000
COMPRESSOR	AIR, 175 CFM AT 125 PSI
CONNECTOR	DIXON "BRASS-LOCK" CAM AND GROOVE TYPE F MALE ADAPTER X 1-1/2" MALE NPT, MATERIAL S/S, ALT P/N MFR M
CORD	HEAVING LINE, 100' W/PLASTIC BALL, ALT P/N MFR MANULI RUBBER INDUSTIES
COUPLING	C-L CAMLOCK 6", 300 LB ASA, WITH WRENCH AND O-RING, ALT P/N MFR MMC INTERNATIONAL CO. 6H2274-2R-300S
COUPLING	FEMALE, BLANK FLANGE, WITH TOWING EYE, DWG 16428, ALT MFR MANULI, 2 EA AMERICAN OSPREY LOCATION OPDS
COUPLING	FIELD INSTALLABLE REPAIR, FEMALE 6"
COUPLING	FIELD INSTALLABLE REPAIR, MALE
COUPLING	MALE, TO 300 LB ASA FLANGE, 3 EA AMERICAN OSPREY LOCATION OPDSDIVE LKRPORT SHELF B
COUPLING	MALE, TO 300 LB ASA FLANGE, DWG 16426
COUPLING	REPAIR ASSEMBLY TOOL, ALT P/N MFR MANULI RUBBER INDUSTIES D16636, 3 EA AMERICAN OSPREY LOCATION OPDS
COVER	PROTECTIVE, DUMMY FEMALE, DC-2MP PART OF ASSY P/N 160EL3-2
COVER	PROTECTIVE, DUMMY MALE, DC-2MP PART OF ASSY P/N 160EL3-2
COVER	REPAIR MATERIAL, CONDUIT, ALT P/N MANULI RUBBER INDUSTIES 5181-RS
CYLINDER	15 TON CAPACITY, 2 STROKE, ALT P/N MFR ENERPAC RC 152
CYLINDER	HYDRAULIC, 5 TON 1 1/8" DIA BORE X 9 1/8" STROKE ATTACHED TO HYD PUMP, ALT P/N ENERPAC MODEL P-39
DAY SHAPE	12" DIAMOND, WOODEN
DEPTH	SOUNDER, ALT P/N MODEL 3001, D-3001/000
DISPLAY	LOAD MONITORING UNIT, SN PU 88/5 DWG NO. EE-AR-691 REF EQ NO: 9703OUTFG05A
DUNNAGE	FOR CONDUIT REELS, 4 PCS PER SET, ALT MFG MANULI RUBBER, ALT P/N MFR UNIROYAL 5186F-1
EXTENSION	4" X 3/4" DRIVE
EXTENSION	5-1/2" LG X 1/2" DRIVE, ALT P/N MFR WILLIAMS 9-110P
FENDER	MOORING (18' X 36") (10.5" X 30") ALT P/N MFR PLOYFOAM US G-6
FILE SET	FILE SET, ALT P/N MFR MCMMASTER-CARR 8173A11,
FILE	BASTARD HALF ROUND, 12" ALT P/N MFR NICHOLSON 05094
FIRE EXTINGUISHER (C	15 LB WITH BRACKET, (1) 15 LB & (1) 20 LB
FIRE EXTINGUISHER (P	20 LB WITH BRACKET
FLAG	(ENSIGN) (28" X 54") ALT P/N MFR TAYLOR MADE 8460
FLANGE ASSEMBLY	BLIND, 1 1/2", 300 LB, HALF COUPLING, FOR FLOATING HOSE, WITH 1 1/2" NPT PLUG, DWG 160-PT-3 SHT 1 2
FLANGE INSULATION KI	MICARTA 6" 300 PSI, TYPE FWD-641 KIT CONSIST OF 12 EA. SLEEVES PLASTIC 3/4" ID X 1/16" WALL THICK X
FLANGE	6" 300# W/WELDED NECK, EQ# 9700-OUTFG-01A OPDS CONDUIT FLOODING BUOY
FLANGE	ASSEMBLY BLIND, 300 LB ASA, FOR CAMLOCK FLANGE ASSEMBLY

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FLANGE	BLIND, 6", 3000 LB, FOR FLOATING HOSE AND TRANKER RAIL HOSE, DWG 160-PT-3 SHT 1, 4 EA AMERICAN OSPRE
FLANGE	BLIND, 6", EQ# 9702-OUTFG-04A SALM PIPING SYSTEM, 2 EA AMERICAN OSPREY LOCATION FWDCRGOHDAFT BOX OP-
FLANGE	BLIND/PIPE PLUGS FOR MAIN VALVE BONNET (BROOKS VALVE USED FOR BTU HYDROSTATIC TESTING) (COMES IN SET
FLASHLIGHT	(D-CELL W/WAND, ALT P/N MFR RAYOVAC 10695T71, EVEREADY 1259,
FLEXITALLIC	6" 300 ASME, B16.20
FLOAT	HAWSER, 7 POCKET LACE ON TYPE, ASSEMBLED ON HAWSER, P/N 160MH1-1, ALT P/N MFR SAMSON 00600577-4
FLOAT	HAWSER, 9 POCKET LACE ON TYPE, ASSEMBLED ON HAWSER, P/N 160MH1-1, ALT P/N MFR SAMSON 00600577-6
GASKET	1/8" THK, PTFE 300 LBS, 6", FLEXITALIC
GASKET	1/8" THK, PTFE 400 A-P HOSE, ALT P/N MFR STERLING SPIROFLEX 6-300 API-601
GASKET	FLEXITALIC, 300# 6" CHANGE FOR CFB NAVSEA REQUIREMENT 3/99
GASKET	FLEXITALIC, 4", 300 ASME B16.20 , ALT P/M MC MASTER-CARR 44955K179
GLOBAL	POSITIONING SYSTEM, SI-TEX TYPE
GLOVES	LEATHER, WORKING, ALT P/N MFR MEMPHIS 1220D
GOGGLES	INDUSTRIAL, ALT P/N MFR MCMMASTER-CARR 5405T11
GRAPNEL	HOOK (4 LB)
GRIP HOIST	4 TON, WITH 5/8" DIA CABLE AND HANDLE, MODEL TU-32, ALT MFG TRACTEL
GROMMET	WIRE ROPE SWAGED, WITH CRESENT THIMBLE, 3/4" X 18", OPDS ALT 950010
GUN	GREASE, HAND OPERATED, WITH ZERK ADAPTER AND CARTRIDGE
HACKSAW	10" WITH SPARE BLADES FOR C-STEEL, ALT P/N MFR MCMMASTER-CARR 4077A1, DUREX PROCRAFT 7359
HACKSAW	FRAME, ALT P/N MFR MCMMASTER-CARR 4077A1
HALYARD	FOR YARDARM
HAMMER	BALL PEEN, 1 1/2 LB
HAMMER	DOUBLE FACED, ENGINEERS, ALT P/N MFR MCMMASTER-CARR 5882A3, BERYLCO H-322-2132
HAMMER	MACHINIST 40 OZ FLAT FACED NAVSEA REQUIREMENT 3/99
HAMMER	SLEDGE, 16 LB, ALT P/N MFR MCMMASTER-CARR 56-816
HAMMER	SLEDGE, 3 LB, ALT P/N 496A1
HAMMER	SLEDGE, LONG HANDLE, 10 LBS,
HAMMER	WELDERS, CHIPPING
HAWSER	MOORING, 12" CIRCUMFERENCE X 180' LG, 2 IN 1 NYLON, GROMMENT MOORING HAWSER, WITH P/N 160MH1-6 AND 1
HOOK BOAT	(8' ALUM/WOODEN)
HOOK	PELICAN FOUR INCH OPDSALT 950001
HOOK	QUICK RELEASE, MANUAL RELEASE 50 TO 125 TON W/100 LB PULL TO RELEASE, ALT P/N MFR WASHINGTON CHAIN A
HOOK	SNAP, 1/4", STAINLESS STEEL W LANYARDS, ALT P/M MCMMASTER-CARR 3933T41
HOOK	TRIPPING, LARGE, 15 TON, ALT P/M CROSBY 890307, ALTP/N MFR COOPER TOOLS 392315
HOOK	TRIPPING, SMALL, (HOOK SLIP EYE 3/8")
HOSE	6-5/8" ID X 7-5/8" OD X 10' FOR USE WITH CFB STRAINER BASKET FLOATION WIRE, ALT P/N MFR TITAN MARINE
HOSE	AIR, 1" DIA X 50' LG, 150 PSI, JUMPER HOSE BETWEEN AIR COMPRESSOR
HOSE	BTU HOOK UP, 40'LG WITH BUILT IN FITTINGS, S/N 1089167 AND

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	12292264, ALT MFG UNIROYAL MANULI, 2 EA A
HOSE	DISCHARGE, 6" X 50', LAY FLAT, W/BRASS MALE CAMLOCK AND FEMALE CAMLOCK AT ENDS,
HOSE	DISCHARGE, LAYFLAT, 2 1/2" DIA X 50' LG
HOSE	HYDRAULIC, 1/4" ID X 3' LG, H.P. RUBBER HOSE W/COUPLER END CONNECTIONS, ALT P/N MFR ENERPAC HC-921
HOSE	HYDRAULIC, 25' LG WITH QUICK DISCONNECTS
HOSE	HYDRAULIC, DWG SOFEC 160RI2-23, ALT P/M ENERPAC HC927
HOSE	HYDRAULIC, WITH QUICK DISCONNECT FITTING, 3/8" X 40'
HOSE	SUCTION, 6" X 50', W/BRASS FEMALE CAMLOCK ONE END AND SUCTION STRAINER AND FOOT VALVE AT ONE END, 2
JACK	HYDRAULIC 2-1/2 TON OPDSALT 950002 DATED 25 JAN 95, ALT P/N MFR DAYTON ELECTRIC CO. 3ZC65
JOINT	UNIVERSAL, 1/2" DRIVE, ALT P/N MFR WILLIAMS S-140A ALT P/N 73176 KD 1/2"
JUG	WATER, DRINKING, 5 GALLONS, ALT MFR IGLOO
LADDER	DIVE
LADDER	FIBERGLASS 12', ALT P/N MFR MCMMASTER-CARR 7983T53, GREENBULL INC 609212
LANTERN	BATTLE, COMPLETE WITH BRACKET (BRACKET NSN 6230-00-578-7401 \$2.15)
LANYARD	NYLON COATED SS 12" LG LOOP/EYE EQ # 9700-CAGEN-XXX SUBMARINE HOSE TOWING ARRANGEMENT
LIGHT	MOORING, CLEAR LENS, 200NM, ALT P/N MFR AUTOMATIC POWER FA-231
LIGHT	NAVIGAATION, GREEN LENS, TYPE VI, BARGE LIGHT, WITHOUT BATTERY, ALT MFR AUTOMATIC POWER
LIGHT	NAVIGAATION, RED LENS, TYPE VI BARGE LIGHT WITHOUT BATTERY, ALT MFR AUTOMATIC POWER
LIGHT	NAVIGATION, CLEAR LENS, TYPE VI, BARGE LIGHT, WITHOUT BATTERY ALT MFR AUTOMATIC POWER
LINE	1" DIA X 300' POLY PROPYLENE FOR SUPPORT BUOY
LINE	MESSENGER, 5" DIA X 150'LG, POLYESTER, WITH SOFT EYE 1 END AND THIMBLE, P/N 160MH1-10, ON OTHER END,
LINE	MOORING-LONG, 2" DIA X 1200 FEET, W/4' SOFT EYE WITH CHAFE PROTECTION ON OUTBOARD END WHIPPED TIGHT
LINE	PICK UP, POLYPROPOLINE, 1/2" X 20' WITH 6" SOFT EYE EACH END
LINE	TIE DOWN, NYLON, 1/2" DIA X 600' LG,
LINK	1" SLING, WELDLESS ALT P/N MFR CROSBY GROUP INC 101399, EQ # 9700-CAGEN-XXX SUBMARINE HOSE TOWING AR
LINK	ADAPTER, CHAFING CHAIN, 5" X 6-3/4" X 1'-5" PLATE, 1 EA AMERICAN OSPREY LOCATION FC SLSTBDRACKLSE
LINK	CONNECTING, 3 1/2", WITH EARS WELDED, 1 EA AMERICAN OSPREY LOCATION SALMCAGE
LINK	DETACHABLE CONNECTING CHAIN 3/4" USN 91 KIP BREAKING STRENGHT, USE @ EACH END AND BETWEEN SHOTS, ALT
LINK	LONG 2" USED TO LIFT DIVE BOAT, ALT P/N MFR MCMMASTER-CARR 3570T41
LINK	LONG, 1", ALT P/M CROSBY GROUP INC A-342 (GIVE SIZE)
LINK	MASTER 1", GALV, ALT P/N MFR CROSBY GROUP INC. 101143, EQ# 9700-CAGEN-XXX SUBMARINE TOWING ARRANGEM
LINK	MASTER 3/4 CROSBY A-343, ULIMATE STRENGTH 51.6 KIP, USE BETWEEN BUOY STUD CHAIN AND CONNECTING LINK,
LINK	MASTER, 1 1/8" DIA, ALLOY

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LOUD HAILER	(LH 5)
MALE PULL	6", WITH FLOOD PORT, ALT MFR MANULI, ALT MFR HYDRASEARCH CO. INC., 4 EA AMERICAN OSPREY LOCATION OPD
MALLET	RUBBER, 2 1/8" OD HEAD, ALT P/N GGG-H-33
MANIFOLD	AIR, INSTALLED ON THE AIR COMPRESSOR
MANIFOLD	SPIDER AIR ASSY NAVSEA REQUIREMENT 3/99
MARLINSPIKE	
MEDICAL	KIT, 10 MAN, ALT MFR HEALER PRODUCTS
METER	CURRENT, BIDIRECTIONAL AXIAL FLOW, TYPE 174SSM, WITH TETHER, WATERPROOF/ WITH COMPUTER/CASE/CARD, RA
METER	CURRENT, ELECTRONIC READOUT, MODEL 2035 MK III, WITH CABLES, S/N 00665, ALT MFR GENERAL OCEANICS INC
METER	FLOW, LOW VELOCITY DIGITAL, MODEL 2031H2,
MODULE	CONTROL, WITH POWER CABLE, S/N 36, ALT P/M OCEANO INST TT101S1, MODULE, 160-EL4-2
NIPPLE	6" NPT X 2 1/2" NPT, FORGED STEEL
NIPPLE	ALT P/N MFR ENERPAC FZ1617
NIPPLE	PIPE, 1-1/2" NPT, CLOSE NIPPLE PIPE, ALT P/N MFR MCMMASTER-CARR 4568K265, EQ# 9702-OUTFG-11A SALM TIE
NOZZLE	FIRE, 2 1/2" NST, WITH SHUT OFF VALVE
NUT	1"-8UNC, HEAVY HEX, ALT P/N MFR MCMMASTER-CARR 9504A038
NUT	3/4" 10UNC HEAVY HEX SUB HOSE FLANGE, ASTM A194 GR 2H, ALT P/N MFR MCMMASTER-CARR 160PT1-24, (25 PER
NUT	7/8" HEAVY HEX, SC-1 COATED, GOES TO CONNECT HOSE TO SWIVEL, ALT P/N MFR MCMMASTER-CARR, 94811A038,
NUT	HEX 3/4"-10 SS, EQ# 9700-OUTFG-01A OPDS CONDUIT FLOODING BUOY
NUT	HEX, 2-1/2"-8UNC, ASTM A-194 GK-2H PART OF P/N 160MH1-24, 1 EA AMERICAN OSPREY LOCATION OPDSDIVELKRD
NUT	HEX, 3/4" 10 UNC, ASTMA193B7, MANHOLE, BASE REF EQ NO: 9702-OUTFG-02A MANHOLE COVERS
NUT	HEX, 3/4"-16UNF 2A, 316, PART PF AASY P/N 160EL3-1, ALT P/N MFR MCMMASTER-CARR 94804A365
NUT	HEX, 5/8" 11 UNC, USED ON 4" PIPING A194 GR 2H, EQ# 9702-OUTFG-04A SALM PIPING SYSTEM
NUT	JAM, 1"-8 UNC HEAVY HEX, ALT P/N MFR MCMMASTER-CARR 95045A038
O RING	BUNA-N, 7" ID 1/4" OD, ALT P/N MFR MMC INTERNATIONAL 0/R7.3DX.275XS
OPERATOR	REMOTE FOR CONDUIT LEVEL WIND P/S
OPERATOR	REMOTE FOR CONDUIT REELS P/S
O-RING	KIT, CLAMP BASE
PADEYE	DISCONNECT, TYPE-2, 24,000 LB CAPACITY
PADS	ABSORBENT (PACKAGE) W/TRASH BAGS, 38" X 63" 50 COUNT, ALT P/N R-3886340
PAIL	GALVANIZED 2 1/2 GAL, ALT P/N MFR MCMMASTER-CARR 4260T2
PENDANT	1" DIA X 100' LG, IWRC 6 X 37 RRL BRIGHT, WITH THIMBLE ENDS
PENDANT	1/2" X 30' (FOR RESTRAINING COLLAR)
PENDANT	3/4" DIA X 8' LG, IWRC 6 X 37 RRL, BRIGHT SWAGED EYES
PENDANT	5/8" DIA X 8' LG, IWRC 6 X 37 RRL, THIMBLED EYES SWAGED EACH END
PENDANT	TRIPPING, HOLDING, 5/8" X 8' 6 X 19 IWRC, RRHL SWAGED EYE
PENDANT	WIRE ROPE, WITH REGULAR THIMBLE 3/4" DIA X 30" LG IWRC 6 X 37, OPDS ALT 950010
PENDENT	1/2" DIA X 15' LG, IWRC 6 X 37 RRL, THIMBLED EYES SWAGED 7 1/2" FROM EACH END
PETROLEUM	JELLY, NAVSEA REQUIREMENT 3/99 , ALT P/N MFR MCMMASTER-CARR 1215K11

Appendix N: MARAD OPDS Shore Set

PIGS	SPHERICAL 6-1/4", MEDIUM COAT YELLOW MOLDED
PIN	CLEVIS, 7/8" DIA, WITH P/N E622-3568-160-17
PIN	COTTER, 3/8" X 4" LG, PART OF P/N 160MH1-24, 1 EA AMERICAN OSPREY LOCATION OPDSDIVELKRDK BOX OUT-05
PIN	COTTER, 5/32" DIA, NORMALLT ATTACHED TO P/N E622-3568-160-7, ALT P/N MFR MCMMASTER-CARR 98355A180
PIN	COTTER, BOX ASSORTED, ALT MFR WESTER WIRE PRODUCT FFP-386-D
PIN	STERN 2" X 4'
PLATE	PUSHER, FOR HOSE REPAIR, ALT MFR HYDRA SEARCH, 3 EA AMERICAN OSPREY LOCATION OPDSDIVELKR SHELF D
PLATE	SUBMARINE TOWING BRACKET FOR SUB HOSE, EQ# 9700-CAGEN-XXX SUBMARINE HOSE TOWING ARRANGEMENT
PLATE	TIE
PLATE	TOWING, TYPE MARQUIP, NO1 TOWING PLATE, PULL TEST 300,000 LBS
PLATE	TRIANGULAR, AUXILIARY SUPPORT BRIDLE, SWL 100 TONS, REF DWG 160-RI-2
PLIERS	10" SLIP JOINT NAVSEA REQUIREMENT 3/99, ALT P/N MFR WILDE TOOL B107.23M.TY2
PLIERS	LINEMAN 8" NAVSEA REQUIREMENT 3/99, ALT P/N MFR COOPER TOOLS B107-20M
PLIERS	TONGUE AND GROOVE, 12", ALT P/N MFR MCMMASTER-CARR 5765A2
PLIERS	TONGUE AND GROOVE, 16", ALT P/N MFR MCMMASTER-CARR 5769A1
PLUG	1-1/2" NPT 300# SQ HD PIPE PLUG ASTM A105 ON P/N 160PT1-17
PLUG	DUMMY, DC-2-FS, PART OF ASSY P/N 160EL3-1
PLUG	DUMMY, DC-8-FS, PART OF ASSY P/N 160EL4-4
PLUG	FEMALE PULL, SUBSEA, 6" ALT MFR MANULI, ALT MFR HYDRASEARCH CO. INC. 9 EA AMERICAN OSPREY LOCATION O
PLUG	PULL, BLIND FLANGE, 600 LB, WITH TOW EYE, 1 EA AMERICAN OSPREY LOCATION OPDSDIVELKRPORT SHELF A
PLUNGER	CLEVIS, ALT P/N MFR ENERPAC REP-10
POWER SUPPLY	FOR P/N 160EL4-2, ALT P/M OCEANO INST. PS300B
PROTECTOR	EAR, AURAL, MODEL 1000, ALT P/N MFR MCMMASTER-CARR 53295T56
PUMP	HAND, SINGLE SPEED, 0 TO 10,000 PSI, ALT P/M ENERPAC PC 391
PUMP	HYDRAULIC, SINGLE SPEED HAND PUMP, 0 TO 10,000 PSI, 43 CUBIC INCH RESERVOIR, ALT P/N MFR STEEL GRIP
PUMP	JET, 5" X 6', 1000 GPM AT 1750 RPM AT 100' HEAD, LOC FWDCGOHLDAFT
PUMP	SALM DEWATERING, GPM 225-230, AIR OPERATED 90 PSI, CPM 160, DISCHARGE SIZE 2-1/2" FPT, AIR INLET SIZ
PUNCH SET	PUNCH SET
PUNCH	KNOCKOUT, 5/8" X 15" BERYLLIUM COPPER ALLOY, ALT P/N MFR MCMMASTER-CARR 6052A12, WARREN 179
RADIO	VHF (*ICOM IC-M127 W/UX130K COMBINED,
RAGS	WIPING, ALT P/N MFR MCMMASTER-CARR 7366T15
RATCHET	1/2" DRIVE, 15" HANDLE, ALT P/N MFR WILLAMS 5-53, B107.10
RECEIVER	MODEL AM 121, S/N 377, 296 AND IE6
REDUCER	6" FEMALE CAMLOCK TO 4" MALE CAMLOCK, TYPE XI MFG P/N MS4900-21 MIL-C-27487, ALT P/N MFR MCMMASTER-CA
REMOVAL TOOL	TUBE, ALT MFR HYDRASEARCH CO INC. 1 EA AMERICAN OSPREY LOCATION OPDSDIVELKR SHELF D
ROD	DUCK BILL ANCHOR DRIVE, 1/2" DIA X 3' LG
ROPE	3 STRAND NYLON 1-5/16" X 300' (TOWING MESSINGER W/THIMBLES BOTH ENDS,
ROPE	3 STRAND NYLON 3/8" X 600', FOR ANCHOR BUOY, TO CUT AS NEEDED, ALT P/N MFR MCMMASTER-CARR 3827T34
ROPE	3" X 600' YELLOW POLY-PRO 3 STRAND ALT P/N MIL-R-24049, EQ # OPDS

Appendix N: MARAD OPDS Shore Set

	CONDUIT FLOODING BUOY
ROPE	5/8" X 600' WHITE NYLON 3 STRAND, ALT P/N MIL-R-17343D
ROPE	AUXILARY TETHER, 1" DIA X 50' LG, NYLON ROPE
ROPE	DBL BRAID NYLON 3" CIRC 1000' W/12" EYES EACH END (ANCHOR LINE)
ROPE	DBL BRAID NYLON 3" CIRC 150' W/12" SPLICED EYE (FOR 75 LB ANCHOR LINE)
ROPE	DBL BRAID NYLON 3" CIRC 48' W/18" SPLICED EYE MOORING LINE
ROPE	DBL BRAID NYLON 3" CIRC 90' W/LARGE SPLICED EYE (FOR RAISING AND LOWERING MAST)
ROPE	DBL BRAID NYLON 3" CIRC X 1400' W/18" HARD EYE ONE END (ANCHOR LINE)
ROPE	DBL BRAID NYLON 3" CIRC X 18' W/18" SPLICED EYE (MOORING LINE)
ROPE	DBL BRAID NYLON 3" CIRC X 20' (FOR FENDER LINE ATTACHED TO FENDER)
ROPE	DBL BRAID NYLON 3" CIRC X 300' W/HARD EYE (ANCHOR LINE FOR 75 LB ANCHOR)
ROPE	DBL BRAID NYLON 3" CIRC X 40' W/HOOK, (HAUL BACK LINE), ALT P/N MFR CROSBY GROUP INC. A-329/1026213
ROPE	DBL BRAID NYLON 3" CIRC X 400' W/18" EYES EACH END (ANCHOR LINE)
ROPE	DBL BRAID NYLON 3" CIRC X 600' W/12" EYES EACH END (ANCHOR LINE)
ROPE	DBL BRAID NYLON 5" CIRC 500' W/BRIDLE TWO 5" X 14' W/12" EYE ONE END AND BOTH OTHER ENDS SPLICED INT
ROPE	MANILLA, 21 THREAD MANILA LINE 5/8" X 600' COIL, ALT P/N CI 1301
ROPE	NYLON 5/8" X 400' FOR MUSHROOM ANCHOR, (NSN UI RL 600' PER ROLL)
ROPE	PICK UP, 10" CIRCUMFERENCE X 300' LG, 8 STRAND POLYPROLENE SAMSON OR EQUAL, 1 EA AMERICAN OSPREY LOC
ROPE	POLYPROPYLENE 1/4" DIA X 600'
ROPE	WIRE, 1/2" DIA X 15' LG, 6 X 19 IWRC, NO EYES
ROPE	WIRE, GALV (ASSEMBLY A 3/4" X 40' LG 6 X 37, IWRC W/3/4" THIMBLE EXTRA HEAVY GALV AT BOTH ENDS) EQ 9
ROPE	WIRE, GALV (ASSEMBLY C 3/4" X 90' 6 X 37, IWRC W/3/4" THIMBLE EXTRA HEAVY GALV AT BOTH ENDS, EQ# 9700
ROPE	WIRE, GALV (ASSEMBLY D 3/4" X 10' LG 6 X 37, IWRC W/3/4" THIMBLE EXTRA HEAVY 1 END IT 8 AND 3/4" CLO
ROPE	WIRE, GLAV (ASSEMBLY B 3/4 X 3' LG 6 X 37, IWRC W/3/4" THIMBLE EXTRA HEAVY GALV AT BOTH ENDS IT 18)
SAIL	TWINE
SAW	POWER, SAFETY, DWG 5186G, ALT P/N MFR AEG K66 ALT P/N 4PW31
SCREW	CAP, SOCKET HD, 1/2"-13 UNC- 2 A X 1-1/4" LG, ALT P/N MFR MCMMASTER-CARR 91309A714, ALT P/N 2144-714B
SCREW	HEX HD MACH 8-32 X 3/8" LG SS, ALT P/N MFR MCMMASTER-CARR 91720A192 ALT P/N 316, EQ# 9700-CAGEN-XXX S
SCREWDRIVER SET	ALT P/N MFR STANLEY 64-856, MCMMASTER-CARR 8551A31
SHACKLE	1 3/8" 15.5 TONS, BOW SHACKLE, 2 EA AMERICAN OSPREY LOCATION SALMDK
SHACKLE	3", 110 TON SWL, WITH 3 1/4" PIN, ALT P/M GROSBY G2140, 2 EA AMERICAN OSPREY LOCATION SALMCAGE AND 4
SHACKLE	3", 110 TON SWL, WITH 3 1/4" PIN, ALT P/M GROSBY G2140, 2 EA AMERICAN OSPREY LOCATION SALMCAGE AND 4
SHACKLE	3", 85 TON SWL W/3-1/4" DIA PIN, CROSBYG2130 OR EQUAL, ALT P/N 1019711

Appendix N: MARAD OPDS Shore Set

SHACKLE	3", ANCHOR FOR INSTRUMENTED PIN, 1 EA AMERICAN OSPREY LOCATION OPDSDIVELKRDK BOX OUT-05
SHACKLE	7/8" 6.5 TON SWL BOW, ALT P/N 1019533
SHACKLE	ANCHOR 1-1/2" BOLT TYPE, GALV, ALT P/N MFR CROSBY GROUP INC. MCMASTER-CARR 3558T58
SHACKLE	ANCHOR BOLT TYPE 1", ALT P/N MFR CROSBY GROUP INC 101931, EQ# 9700-CAGEN-XXX SUBMARINE HOSE TOWING A
SHACKLE	ANCHOR BOLT TYPE, 1-1/8" DIA, W/1-1/4" DIA PIN 9.5 TON, CROSBY G-2130, MOUNTED ON TOWING BRACKET, AL
SHACKLE	ANCHOR SAFETY 1/2" NAVSEA REQUIREMENT, ALT P/N MFR MCMASTER-CARR 8966T51
SHACKLE	ANCHOR SAFETY 1-1/2" G2130, FOR TOW PLATE, ALT P/N MFR MCMASTER-CARR 8966T57, EQ# 9717-OUTFG-01A IMP
SHACKLE	ANCHOR SAFETY 3/4", ALT P/N MFR MCMASTER-CARR 3555T53
SHACKLE	ANCHOR SAFETY 3/4, ALT P/N MFR MCMASTER-CARR 3555T53
SHACKLE	ANCHOR SAFETY, 1 1/8", 9 1/2 TON, ALT MFR MC MASTER-CARR 355T56TYPE:BOLT, MFR.-ID:160RI2-13,
SHACKLE	ANCHOR SAFETY, 1" NAVSEA REQUIREMENT 3/99, ALT P/N MFR MCMASTER-CARR 8966T55
SHACKLE	ANCHOR SAFETY, 1/2", 2 TON W/COTTER PIN, ALT P/N 12GSPA, EQ# 9700-OUTFG-01A OPDS CONDUIT FLOODING BU
SHACKLE	ANCHOR SAFETY, 3/4", 4 3/4 TON, ALT P/M MC MASTER-CARR 3663T44 3/4", DWG SOFEC 160RI1-9, MFR.-ID:G-2
SHACKLE	ANCHOR SAFETY, 5/8", 5 TON
SHACKLE	ANCHOR SAFETY, 7/8", 6 1/2 TON ALT P/N MFR MCMASTER-CARR 3558T53, EQ# 9702-OUTFG-11A SALM TIEDOWN RET
SHACKLE	ANCHOR, BOLT TYPE, 1 1/2", 17 TON, GROSBY G-2130 OR EQUAL, ALT P/M MC MASTER CARR 3558T58
SHACKLE	ANCHOR, BOLT TYPE, 1 3/4", 25 TON, GROSBY G-2130 OR EQUAL, ALT P/M MC MASTER CARR 3558T59
SHACKLE	ANCHOR, BOLT TYPE, 1-1/4" DIA, 12 TON CROSBY G-2130 OR EQUAL, ALT P/N MFR MCMASTER-CARR 3558T56 ALT
SHACKLE	ANCHOR, BOLT TYPE, 1-1/8" DIA W/1-1/4" DIA PIN 9.5 TON ALT P/N MFR MCMASTER-CARR 3558T55
SHACKLE	BOW, 42 TON SWL, 3 EA AMERICAN OSPREY LOCATION FC SLPORTDK AND SALMDK
SHACKLE	CHAIN SAFETY, 1-1/2", ALT P/N MFR MCMASTER-CARR 3556T23
SHACKLE	CHAIN, BOLT TYPE, 1 3/8", 13 1/2 TON, GROSBY G-2130 OR EQUAL
SHACKLE	HEAVY DUTY, 14" TO 15", BLUE, ALT P/N MFR SAMSON 00400684-5
SHACKLE	JOINING, 1 1/8", KENNER, TYPE GR2
SHACKLE	JOINING, 3", TYPE D, 1 EA AMERICAN OSPREY LOCATION SALMMTD ON AUXILIARY BUOY
SHACKLE	KENTER, JOINING, 3-1/2" DIA. GRADE ORQ, 10 EA AMERICAN OSPREY LOCATION SALMCAGE AND FC SLSTBDRACKDK
SHACKLE	SAFETY 1-1/2", ALT P/N MFR MCMASTER-CARR 8966T57
SHACKLE	SAFETY 1/2", ALT P/N MFR MCMASTER-CARR 8966T51
SHACKLE	SAFETY 2", FOR LIFTING BOAT, ALT P/N 6R434
SHACKLE	SAFETY, 1 1/4", 12 TON ANCHOR, WITH 1 3/8" DIA PIN, ALSO USED ON OUB'S
SHACKLE	SAFETY, 1 1/4", ALT P/N MFR MCMASTER-CARR 3558T56
SHACKLE	SAFETY, 3/4", ALT P/N MFR MCMASTER-CARR 3555T53
SHACKLE	SAFETY, 5/8", ALT P/N MFR MCMASTER-CARR 8966T52
SHACKLE	SAFETY, 7/8", ALT P/N MFR MCMASTER-CARR 8966T54
SHACKLE	SCREW PIN 1", ALT P/N MFR MCMASTER-CARR 3663T46

Appendix N: MARAD OPDS Shore Set

SHACKLE	SCREW PIN, 1 1/2"
SLING	WIRE ROPE, 1/2" DIA X 2' LG, 6 X 19 IWRC GRADE, EYE EACH END.
SLING	WIRE ROPE, 3/4" DIA X 2' LG, IWRC, GR IPS, WITH SPLICED EYE AT EACH END, EQ# 9702-OUTFG-11A SALM TIE
SLING	WIRE ROPE, 3/4" DIA X 34' LG, 6 X 19 IWRC GR IPS, WITH SPLICED EYE IN EACH END, EQ# 9702-OUTFG-11A S
SLING	WIRE ROPE, 5/8" DIA 6' LG, 6 X 19 IWRC, WITH 5" WD X 10" LG SOFT EYE EACH END,
SLING	WIRE ROPE, 5/8" DIA X 10' LG, 6 X 19 IWRC, WITH 5" WD X 10" LG SOFT EYE SLICED IN EACH END
SLING	WIRE ROPE, 5/8" DIA X 40' LG, 2 X 19 IWRC, GRADE IPS WITH EYE IN BOTH ENDS, EQ# 9702-OUTFG-11A SALM
SLING	WIRE ROPE, 5/8" X 5' LG, 6 X 19 IWRC GRIPS, WITH SPLICED EYE AT EACH END
SOCKET SET	3/8" DRIVE, 23 PIECE, ALT P/N MFR MCMMASTER-CARR 5582A11
SOCKET	1-1/4", 1/2" DRIVE, ALT P/N MFR MCMMASTER-CARR 5545A67, WILLIAMS ST-1240
SOCKET	1-1/8", 3/4" DRIVE
SOCKET	15/16", 3/4" DRIVE
SOCKET	1-7/16", 1/2" DRIVE, ALT P/N 7446 ALT P/N MFR MCMMASTER-CARR 5545A273
SOCKET	2", 3/4" DRIVE, THIN WALL, ALT P/N MFR PROTO 5564
SOCKET	2-3/8", 3/4" DRIVE, ALT P/N MFR ARMSTRONG 13176
SOCKET	7/8", 3/4" DRIVE THIN WALL
SOCKET	CLOSED SWAGE 3/4" STEEL, ALT P/N MFR CROSBY GROUP INC. 1039469, EQ# 9700-CAGEN-XXX SUBMARINE HOSE TO
SPOUT	GERRY CAN, ALT P/N MFR STANSPORT IT CN-10
STRAP	3" W X 6' LG CONDUIT HANDING, ALT P/N MFR SUPPLY DEPOT SE83-EE1803T
STRAP	CARGO NYLON, 2" WIDE X 6' LG 9/16" SNAP HOOK EACH END FOR TIE DOWN SUBMARINE HOSE
STRAP	NYLON 3" X 12', ALT P/N MFR SUPPLY DEPOT SE3-EE1803T-12, EE1 X 93EG X12FT
STUD	3/4' X 4-3/4" 10 UNC, FOR SUBHOSE FLANGE, ASTM A193 GR B7
STUD	3/4" X 5-1/2" 10 UNC SUBHOSE FLANGE, ASTM A193 GR B7
STUD	3/4"-10 UNC 5" LG, ALT P/N MFR MCMMASTER-CARR 95412A855
STUD	7/8" X 6", SC-1 COATED, GOSE TO CONNECT HOSE TO SWIVEL, ALT P/N MFR MCMMASTER-CARR 98750A421
SWITCH	LIMIT, MODEL 78-15541-ED, ALT P/N MFR GO SWITCH, LOUISVILLE KY. 713999, GENERAL EQUIPMENT DWG S-70-0
SWIVEL ASSEMBLY	2" CHAIN SWIVEL, WITH 2" END LINK EACH END - GR2, 1 EA AMERICAN OSPREY LOCATION SALMDK
SWIVEL	CLIP LKG PIN W/RING, 1/4" DIA X 1-1/2" GRIP, ALT P/N MFR MCMMASTER-CARR 98305A163
SWIVEL	HYDRAULIC 8-1/2 TON, EYE TO EYE, NAVSEA REQUIREMENT 3/99, ALT P/N MFR MCKISSICK 297459, EQ# 9700-CAG
TAPE	MEASURING 6' FABRIC COATED NAVSEA REQUIREMENT 3/99
TAPE	TEFLON, ALT P/N MFR MCMMASTER-CARR 6802K33
TEE	ALT P/N FZ1612
TETHER	BUOY AUXILARY DEPLOYMENT, 5/8" DIA WITH 85' NYLON ROPE, ALT P/N MIL-R-17343D
THIMBLE	11" 113" GALVANIZED, ASSEMBLE ON HAWSER P/N 160MH1-1, ALT P/N MFR SAMSON 00600542, 2 EA AMERICAN OSP
THIMBLE	EXTRA HEAVY, 3/4" GALV, ALT P/N MFR CROSBY GROUP INC 1037773

Appendix N: MARAD OPDS Shore Set

THIMBLE	FOR 1" LINE, ALT P/N MFR MCMMASTER-CARR 98970A035
THIMBLE	FOR 3" MESSENGER LINE ON P/N 160MH1-3, 1 EA AMERICAN OSPREY LOCATION FCSLPORTDK
TIE DOWN	BUOY DEPLOYMENT, 9/16" DIA X 12' LG, 6 X 19 IWRC GD IPS WIRE ROPE
TIE DOWN	BUOY DEPLOYMENT, 5/8" DIA X 10' LG, 6 X 19 IWRC GD IPS WIRE ROPE,
TIE DOWN	MAIN BUOY, WIRE ROPE 1" X 34' LG, 6 X 19 IWRC, W/1-1/4" ID 1-1/2" OD HOSE COVER, 2 EA AMERICAN OSPRE
TIP	FIRE NOZZLE, TYPE T-211
TOILET	PORTABLE, PORTA-POTTI
TOWING SWIVEL	CROSBY OR BULLARD GOLDEN GATE HOOK CLOSED SWIVEL, ALT P/N MFR MCKISSICK 1050243
TRANSPONDER TRAY	AR191 TM, S/N 138 AND 07, ALT P/M MOSRT-66S, INTERMEDIATE SUPPORT, S/N F-1204-004 AND 005
TRAY	SUPPORT, S/N F-1204-003 AND 004
TURNBUCKLE	1 1/2" X 12", JAW AND EYE, HOT DIP GALVANIZE, CROSBY HG-277 OR EQUAL
TURNBUCKLE	1 1/4" X 18", JAW/JAW HOT DIP GALVANIZED, CROSBY HG-228 OR EQUAL, ALT P/M MC MASTER-CARR 2999T33
TURNBUCKLE	TIE DOWN, 1 1/4" X 12", JAW AND JAW, HOT DIPPED GALVINIZED
UMBILICAL	AIR, 200' LG X 1-1/2" ID, WITH P/N 160AE1-3B AND 160AE1-3C ON EACH END, LOC 4 EA FWDCARGOHAFTLSE
VALVE	3/4" SHUTOFF, P/M ENERPAC V-8, ATTACHED TO P/N E622-3568-160-8
VALVE	BALL 1/2" W/CHICAGO FITTING EACH END W/PIPE NIPPLE, ALT P/N MFR MCMMASTER-CARR 4726K11, 5344K29
VALVE	BALL, 6" BTU INLET WITH HANDLE, OPDSALT 95001
VALVE	BALL, 6", 300LB, DWG 160-PT-1
VALVE	BALL, FEMALE, 1-1/2", NPT, WITH BRONZE BODY AND 316 SS BALL AND STEM, ALT P/M MC MASTER-CARR 7865K27
VALVE	CHECK AIR ESCAPE ASSEMBLY 1-1/2" W/3 PSI LIFT FOR MALE PULL CAP AND PART OF CFB, EQ# 9700-OUTFG-001
WARPING	NEOPRENE, 1/2" X 4" X 14-1/2", 60 DUROMETER,
	NEOPRENE, 1/2" X 4" X 14-1/2", 60 DUROMETER,
WASHER	1" NOMINAL, FLAT, ALT P/N MFR MCMMASTER-CARR 90108A038
WASHER	3/4", FLAT 8" INTAKE PIPE SUPPORT, ASTM F436
WASHER	5/8" PLAIN, ALT P/N MFR MCMMASTER-CARR 98970A035
WASHER	7/8", TYPE A, SERIES N
WASHER	FLAT, 3/4" SS, ALT P/N T-316 FOR CONDUIT FLOODING BUOY, EQ# 9700-OUTFG-01A
WIRE ROPE	1" X 100' STAINLESS STEEL W/12" SOFT SWAGED EYES 6 X 37 IWRC NAVSEA REQUIREMENT 3/99
WIRE ROPE	1/2" X 100' STAINLESS STEEL W/12" SWAGED SOFT EYES 6 X 37 IWRC, FOR TOWING SALM, NAVSEA REQUIREMENT
WIRE ROPE	1/4" X 150' 6 X 37 FIBER CORE,
WIRE ROPE	5/8" X 10' 6 X 19 IWS IWRC EYES EACH END
WIRE ROPE	5/8" X 6' W/SWAGED EYES EACH END,
WIRE	SEIZING NAVSEA REQUIREMENT 3/99, ALT P/N MFR MCMMASTER-CARR 9666K25
WRENCH SET	SET, COMBINATION 7/16" TO 1-1/8", ALT P/N MFR MCMMASTER-CARR 5304A73
WRENCH	ADJUSTABLE 12", ALT P/N B107.8M
WRENCH	ADJUSTABLE, 10", ALT P/N MFR MCMMASTER-CARR 5385A14
WRENCH	ADJUSTABLE, 6", ALT P/N MFR MCMMASTER-CARR 5406A12

Appendix N: MARAD OPDS Shore Set

WRENCH	ALLEN SET, ALT P/N MFR MCMASTER-CARR 7156A11
WRENCH	COMBINATION, 1-1/4", ALT P/N MFR WILLIAMS 1173
WRENCH	COMBINATION, 1-1/8",
WRENCH	COMBINATION, 15/16"
WRENCH	CRESCENT ADJUSTABLE 24" ALT P/N B107.8-1991, EQ # 9700-OUTFG-01A OPDS CONDUIT FLOODING BUOY
WRENCH	HAMMER BOX, 1-1/4", ALSO KNOW AS SLUGGING WRENCH, ALT P/N MFR MCMASTER 8341A43 OR 5455A13, WILLIAMS
WRENCH	IMPACT PNEUMATIC 3/4", ALT P/N CAT 2329-99
WRENCH	OPEN END, 1-1/4", ALT P/N MFR BW-8
WRENCH	PIPE, 24"
WRENCH	PIPE, 8", ALT P/N MFR MCMASTER-CARR 5357A122
WRENCH	RATCHET, REVERSIBLE, 3/4" DRIVE, ALT P/N MFR MCMASTER-CARR 5524A11
WRENCH	SET 7 PC, OPEN END 1/4" THUR 1", ALT P/N MFR MCMASTER-CARR 5304A73
WRENCH	SLUGGING, 2-3/8", ALT P/N MFR MCMASTER-CARR 5456A25
WRENCH	SPANNER, 300 ASA BLIND, FOR CAM GUARD RING 6" COUPLING, WITH CAMLOCK COUPLING, 3 EA AMERICAN OSPREY
WRENCH	SPUD 1", ALT P/N MFR PROTO C 904 A, MCMASTER-CARR 5406A23
WRENCH	SPUD 1/2"
WRENCH	SPUD 1-1/4" NAVSEA REQUIREMENT 3/99, ALT P/N MFR MCMASTER- CARR 5405A26 OR 5457A17
WRENCH	SPUD 1-1/8" OPEN END, ALT P/N MFR MCMASTER-CARR 5405A25
WRENCH	SPUD 15/16" NAVSEA REQUIREMENT 3/99, ALT P/N MFR ARMSTRONG 32-530, MCMASTER-CARR 2615
WRENCH	SPUD 3/4" ALT P/N MFR MCMASTER-CARR 5406A17 PROTO C 904 A
WRENCH	SPUD, 2-3/8",
WRENCH	TORQUE, 1/2" DRIVE, 10-150 LBS, ALT P/N MFR MCMASTER-CARR 85555A44, BONNEY TCI-150-FRD
WRENCH	VALVE 4"
WRENCH	VALVE, 2" REG VALVE
WRENCH	VALVE, TEE 6"