

CTI Consultants Pty Ltd



Head Office:
4 Rothwell Avenue,
Concord West NSW 2138

ABN 56 003 824 815
PO Box 153,
North Strathfield NSW 2137

www.cticonsultants.com.au
P: (02) 9736 3911
F: (02) 9736 3287

CERTIFICATE OF ANALYSIS LEAD PAINT SURVEY

Client:	Crown Solicitor's Office GPO Box 25, Sydney NSW 2001	Contact:	Kirrilee Sanders
		Phone:	(02) 8224 5357
Project:	Ex-HMAS Adelaide	Report No.	2559C11022
Sampling By:	Carol Bodle	Report Date:	July 13 th , 2010

1. PURPOSE OF TESTING

The Ex HMAS Adelaide is due to be sunk as a diving wreck off the coast of Avoca. Concern has been raised regarding the possible presence of lead paint. CTI Consultants were commissioned by the Crown Solicitor's Office to carry out a lead paint survey on the ship.

2. TEST PROCEDURES

The lead paint survey was carried out by Carol Bodle of CTI Consultants on July 12th, 2010 accompanied by Bruce Richens of Capability by Design. Testing was performed at locations as directed by the Sampling, Analysis and Quality Plan (SAQP) produced by Ross McFarland of AECOM, dated 8 July 2010.

The paint was tested for lead content using a field portable Niton XL309 XRF Analyser, in accordance with Method 3, Appendix A of AS 4361.2, *Guide to lead paint management – Part 2, Residential and Commercial Buildings*. Readings are reported in mg lead/cm².

Coating thickness on steel substrates was determined by use of an electromagnetic dry film thickness (DFT) gauge (Elcometer 345) in accordance with Method B of AS 3894.3, *Site testing of protective coatings - Method 3: Determination of dry film thickness*. Where the substrate was aluminium, DFT readings could not be taken with the equipment available at the time of inspection.

The definition of lead paint, as used by Safe Work Australia (in NOHSC:1012) and Standards Australia (in AS 4361 Parts 1 and 2) is set as 1% lead by weight of dry paint, which broadly corresponds with a surface loading of 1 mg/cm² as detected by portable XRF lead analysers for a paint DFT of 500 µm.

3. RESULTS

The XRF results are presented in Table 1 at the end of this report. Positive readings (> 1mg/cm²) are shown in bold. An estimation of the percentage of lead in the paint has been made using an average dry film thickness recorded at the same location.

While carrying out the lead paint survey, the coating system present at each location tested was also noted. Generally, these fell into the following categories:

- Red oxide primer alone
- Red oxide plus white topcoat
- Grey deck paint
- Yellow primer alone
- Yellow primer + topcoat (generally white)
- Lead paint alone (orange red colour)
- Lead paint (orange red colour) plus white topcoat.



The "red oxide primer alone", and the "red oxide primer plus white topcoat" were found where alterations appeared to have been carried out on the ship after initial commissioning, such as at the rear of the ship but also found at a few locations on Deck 2. Lead was not detected in these coating systems.

Where tested, the paint on the steel decks was generally grey and did not contain lead. Exceptions to this were in areas which would have probably been inaccessible since commissioning, such as under cupboards (see below).

The "yellow primer alone" was found on the internal surface of the hull on Deck 2, generally covered by insulation, except where this has been removed in preparation for sinking. Of these, in only one instance was this paint found to contain lead which may have been associated with maintenance painting at some stage as there were remnants of an orange red paint visible on edges at that location.

The "yellow primer plus white topcoat" was found on aluminium surfaces, such as associated with Deck 1. There were also two instances in the ship of this coating system on steel but both are thought to be associated with alterations after commissioning. Lead was not detected in this coating system.

The "lead paint alone (orange red colour)" was present on surfaces which had been uncovered, mostly where insulation had been removed in preparation for sinking. This was also found in other localised areas, possibly having been obscured by equipment or furniture such as in the staterooms on Deck 1 where areas of the deck had been covered, probably by cupboards. The average lead loading of areas where only the lead paint was present was 5.6 mg/cm². For the average DFT of 100µm, this equates to an approximate concentration of 28% lead by weight of the dry film.

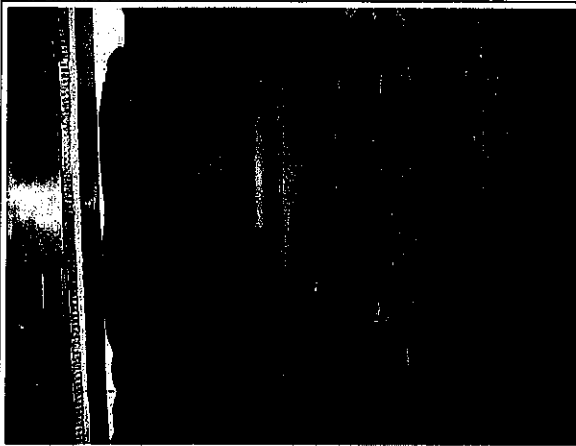
Where the lead paint was covered with a white topcoat, generally found on bulkheads, the average lead loading was 4.8 mg/cm². For the average DFT of 350µm for this system, this equates to approximately 8% lead. However, caution should be exercised when using the percentage of lead in paint where both lead and lead-free paints are present. The average lead concentration in such systems will be diluted by the presence of lead-free paint, although the total amount of lead expressed as a surface loading will be unaffected by the additional lead-free paint and is therefore the more pertinent result.

Signed:
CTI Consultants Pty Ltd

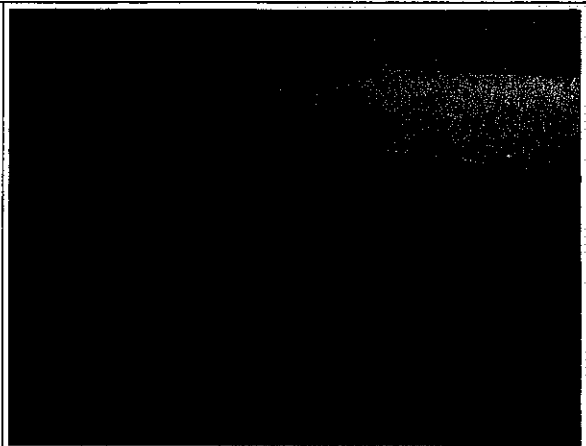
Carol Bodle,
Occupational Hygienist
B.Med.Sc.(Hons.), M.App.Sc.(OH&S), Grad.Dip.Occ.Hyg.

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Typical of orange red paint film which contains lead (XRF #36)



Typical of yellow paint film (XRF #44) which does not contain lead.



Typical of red oxide primer at rear of ship (XRF #57) which does not contain lead.



Insulation covering paint on internal surface of hull.

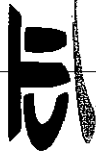


Table 1 Lead Paint Survey Results

XRF No	Room Number	Compartment Name	Surface Tested	Coating System	Lead (mg/cm ²)	DFT (µm)	Estimated Lead (%)
3	02-116-2-C	Chart Room	Port Bulkhead	Yellow primer + white T/C	0.21 ± 0.09	*	
4	01-113-2-L	Passage	Starboard Bulkhead	Yellow primer + white T/C	0.04 ± 0.15	*	
5	01-180-0-Q	AN/SPS 55 Air Nav/ECM Room	Starboard Bulkhead	Yellow primer + white T/C	0.04 ± 0.04	*	
6	01-193-0-Q	Stir Equipment Room	Port Bulkhead	Yellow primer + white T/C	0.08 ± 0.09	*	
7	1-100-0-Q	RADAR, IFF, CIC, Equipment Room	Deck	Grey topcoat	0.08 ± 0.12	110	0
8	1-140-0-L	Officers Stateroom 1	Deck	Red Lead only	10.55 ± 1.23	140	38
9	1-140-2-L	Officers Stateroom 2	Deck	Red Lead only	5.58 ± 1.26	100	28
10	1-156-2-L	Supply Officers Stateroom	Deck	Red Lead only	13.17 ± 1.26	170	39
11	1-164-1-L	Officers Stateroom 3	Deck	Red Lead only	3.96 ± 0.43	70	28
12	1-164-2-L	Weapons Electrical Officers Stateroom	Deck	Red Lead only	6.18 ± 1.17	100	31
13	1-171-1-L	Officers Stateroom 4	Deck	Red Lead only	3.71 ± 0.47	75	25
14	1-172-2-L	Operations Officers Stateroom	Deck	Red Lead only	6.42 ± 1.04	100	32
15	1-212-0-L	Passage (Pass Fr 278-328)	Starboard Bulkhead	Yellow primer + white T/C	0.02 ± 0.14	*	
16	1-212-0-L	Passage (Pass Fr 220-250)	Port Bulkhead	Yellow primer + white T/C	0.13 ± 0.43	*	
17	1-212-0-L	Passage (Pass Fr 250-278)	Starboard Bulkhead	Yellow primer + white T/C	0.02 ± 0.06	*	
18	1-220-0-M	Torpedo Magazine	Deck	White topcoat	0.01 ± 0.02	250	0
19	1-220-0-M	Torpedo Magazine	Deck	Grey topcoat	0.12 ± 0.63	500	0
20	1-236-1-A	Halon Cylinder Storerom	Deck	Grey topcoat	0.05 ± 0.08	200	0
21	1-253-2-Q	Helicopter Shop	Deck	Grey topcoat	0 ± 0.13	200	0
22	2-0-0-A	Bosuns S/Room No 1/Ordnance W/shop	Deckhead	Red Lead + White T/C	3.95 ± 1.5	300	7
23	2-20-0-A	Bosuns Storerom No. 2	Forward Bulkhead	Red Lead + White T/C	3.04 ± 0.9	300	5
24	2-32-0-Q	Windlass Room	Internal Bulkhead	Red Lead + White T/C	1.6 ± 0.68	300	3
25	2-36-2-T	Watertight Escape Trunk	Starboard Bulkhead	Red Lead + White T/C	4.06 ± 0.89	550	4
26	2-40-2-L	Passage	Forward Bulkhead	Red Oxide + White T/C	0.03 ± 0.06	500	0
27	2-48-1-A	Armoury	Aft Bulkhead	Red Lead only	2.88 ± 0.47	85	17
28	2-48-4-Q	Registered Publications Vault	Starboard Bulkhead	Yellow primer only	0.06 ± 0.15	150	0
29	2-55-1-A	FWD Repair 2	Forward Bulkhead	Red Lead + White T/C	6.16 ± 0.95	400	8
30	2-64-0-L	Passage	Port Bulkhead	Yellow primer only	0.29 ± 0.2	130	0
31	2-79-0-C	IC & Gyro Room Electronics Workshop	Internal Bulkhead	Red Lead only	5.1 ± 1.12	100	26
32	2-84-1-T	Watertight Escape Trunk	Aft Bulkhead	Red Lead + White T/C	5.28 ± 1.02	600	4



XRF No	Room Number	Compartment Name	Surface Tested	Coating System	Lead (mg/cm ²)	DFT (µm)	Estimated Lead (%)
33		Frame 100-140	Deckhead	Red Lead + White T/C	2.71 ± 0.6	140	10
34		Frame 140-180	Port Bulkhead	Red Lead + White T/C	2.23 ± 0.79	575	2
35	2-180-1-L	Passage	Aft Bulkhead	Red Lead + White T/C	6.46 ± 1.5	730	4
36	2-180-2-L	Chief Petty Officers Messroom	Starboard Bulkhead	Red Lead only	3.39 ± 0.49	60	28
37	2-180-4-L	Passage	Port Bulkhead	Yellow primer only	2.04 ± 0.49	150	7
39	2-208-2-T	Watertight Escape Trunk	Forward Bulkhead	Red Lead + White T/C	4.93 ± 1.22	250	10
40	2-212-0-L	Junior Sailor Dining Crew Messroom	Port Bulkhead	Yellow primer only	0.08 ± 0.28	130	0
41	2-225-1-A	Repair Base 5	Aft Bulkhead	Red Lead + White T/C	1.77 ± 0.51	350	3
42	2-237-1-Q	Trash Disposal Room (Old Canteen)	Forward Bulkhead	Red Lead + White T/C	4.17 ± 1.01	200	10
43	2-250-0-L	Cross Passage	Aft Bulkhead	Red Lead + White T/C	3.4 ± 0.96	650	3
44	2-250-0-L	Passage (Stbd)	Starboard Bulkhead	Yellow primer only	0.05 ± 0.21	200	0
45	2-250-0-L	Passage (Port)	Port Bulkhead	Yellow primer only	0.07 ± 0.1	160	0
46	2-292-01-C	Central Control Station (CCS)	Aft Bulkhead	Red Lead only	3.89 ± 0.52	60	32
47	2-292-0-L	Passage	Deck	Grey topcoat	0 ± 0.09	1000	0
48	2-292-2-Q	General Workshop	Forward Bulkhead	Red Lead + White T/C	6 ± 1.17	250	12
49	2-316-2-Q	Electrical Shop & Degaussing Equipment Room	Forward Bulkhead	Red Lead Only	5.83 ± 1.08	80	36
50	2-325-0-T	Watertight Escape Trunk	Port Bulkhead	Red Lead + White T/C	3.6 ± 1.13	480	4
51	2-328-0-Q	Central Office Complex (COC)	Forward Bulkhead	Red Lead only	5.1 ± 1.1	100	26
52	2-328-6-Q	Supply Support Centre	Deck	Grey topcoat	0.06 ± 0.17	200	0
53	2-368-0-Q	RAST Helicopter Haul Down & Traverse Machinery Room	Starboard Bulkhead	Yellow primer + white T/C	0.02 ± 0.06	200	0
54	2-368-1-A	Aviation Storeroom No. 1	Port Bulkhead	Red Oxide + White T/C	0.04 ± 0.13	280	0
55		Frame 368-388 Port	Aft Bulkhead	Red Oxide + White T/C	0.06 ± 0.22	360	0
56	2-388-2-Q	Tactas, Sonobuoy & Bathythermograph Room	Deckhead	Red Oxide + White T/C	0.02 ± 0.16	140	0
57	2-397-1-Q	NIXIE Room	Starboard Bulkhead	Red Oxide only	0.02 ± 0.07	90	0
58	3-32-1-K	Flammable Liquid Storeroom	Deckhead	Red Lead + White T/C	5.74 ± 1.45	230	12
59	3-32-2-A	Deck Gear Storeroom	Forward Bulkhead	Red Lead + White T/C	8.4 ± 1.19	250	17
61	3-36-2-T	Watertight Escape Trunk	Aft Bulkhead	Red Lead + White T/C	2.74 ± 1.1	340	4
62		Frame 40-64 Port	Starboard Bulkhead	Red Lead + White T/C	5.36 ± 1.17	180	15
63		Frame 40-64 Stbd	Port Bulkhead	Yellow primer + white T/C	0.09 ± 0.16	260	0
69	3-84-0-E	Air conditioning Machinery Room	Port Bulkhead	Red Lead only	5.1 ± 1	130	20



XRF No	Room Number	Compartment Name	Surface Tested	Coating System	Lead (mg/cm ²)	DFT (µm)	Estimated Lead (%)
70		Frame 100-140	Starboard Bulkhead	Red Lead only	8.84 ± 1.16	110	40
71		Frame 140-180	Aft Bulkhead	Red Lead + White T/C	6.06 ± 1.18	190	16
78	3-180-2-C	Switchgear Room	Starboard Bulkhead	Red Lead + White T/C	3.5 ± 0.95	290	6
79	3-180-5-A	Dry Provision Storeroom	Port Bulkhead	Red Lead + White T/C	3.82 ± 1.05	430	4
80	3-188-0-L	Passage	Port Bulkhead	Red Lead + White T/C	8.67 ± 1.3	400	11
82	3-196-2-A	Ships Canteen Storeroom	Deck	Grey topcoat	0.07 ± 0.09	550	0
83	3-200-2-E	Elevator Machinery Room	Aft Bulkhead	Grey/green + white T/C	0.02 ± 0.22	200	0
88	3-328-0-A	Combined Supply Department Storeroom	Aft Bulkhead	Red Lead + White T/C	5.43 ± 1.21	275	10
64	4-32-0-Q	Sonar Equipment Room	Starboard Bulkhead	Red Lead only	5.1 ± 1	100	26
65	4-48-1-Q	Sonar Cooling Equipment Room	Deck	Grey topcoat	0.1 ± 0.69	700	0
66	4-48-2-L	Passage	Aft Bulkhead	Red Lead + White T/C	2.79 ± 1	500	3
67	4-56-0-M	Small Arms Magazine	Port Bulkhead	Red Lead + White T/C	4.55 ± 1.17	300	8
68	4-64-0-Q	MK13 GMLS Magazine Service Room	Internal Bulkhead	Red Lead + White T/C	6.43 ± 0.98	300	11
72	4-100-0-E	Auxiliary Propulsion Unit (APU) Machinery Room	Beam	Red Lead only	3.79 ± 0.65	90	21
73	4-140-0-Q	Laundry Room	Forward Bulkhead	Red Lead only	5.91 ± 1.28	125	24
74	4-160-0-Q	Sewage Collection Holding & Boiler Room	Aft Bulkhead	Red Lead + White T/C	12.55 ± 1.57	260	24
75	4-172-1-E	Fire Pump Room	Deck	Grey topcoat	0.05 ± 0.09	560	0
76	4-203-0-T	Elevator Trunk	Forward Bulkhead	White topcoat	0.03 ± 0.15	375	0
77	5-180-0-E	Auxiliary Machinery Room (AMR) No. 1	Starboard Bulkhead	Red Lead Only	4.79 ± 1.26	110	22
84	5-212-0-E	Auxiliary Machinery Room (AMR) No. 2	Deck	Grey topcoat	0.01 ± 0.05	400	0
85	5-250-0-E	Engine Room	Forward Bulkhead	Red Lead only	5.99 ± 1.23	190	16
86	5-292-0-E	Auxiliary Machinery Room (AMR) No. 3	Forward Bulkhead	Red Lead only	3.3 ± 0.96	80	21
87	5-368-01-E	Steering Gear Room	Forward Bulkhead	Red Lead only	3.9 ± 0.58	60	33

Note: Readings 2, 38, 81 and 89 were calibration readings.
* Where the substrate was aluminium, a DFT reading could not be taken.

No	XLNo	Number	Compartment Name	Surface	Coating System	Pb (mg/cm ²)	DFT
7	7	1-100-0-Q	RADAR, IFF, CIC, Equipment Room (RICER)	Deck	Grey topcoat	0.08 ± 0.12	110
19	19	1-220-0-M	Torpedo Magazine	Deck	Grey topcoat	0.12 ± 0.63	500
20	20	1-236-1-A	Halon Cylinder Storeroom	Deck	Grey topcoat	0.05 ± 0.08	200
21	21	1-253-2-Q	Helicopter Shop	Deck	Grey topcoat	0 ± 0.13	200
47	47	2-292-0-L	Passage	Deck	Grey topcoat	0 ± 0.09	1000
52	52	2-328-6-Q	Supply Support Centre	Deck	Grey topcoat	0.06 ± 0.17	200
65	65	4-48-1-Q	Sonar Cooling Equipment Room	Deck	Grey topcoat	0.1 ± 0.69	700
75	75	4-172-1-E	Fire Pump Room	Deck	Grey topcoat	0.05 ± 0.09	560
82	82	3-196-2-A	Ships Canteen Storeroom	Deck	Grey topcoat	0.07 ± 0.09	550
84	84	5-212-0-E	Auxiliary Machinery Room (AMR) No. 2	Deck	Grey topcoat	0.01 ± 0.05	400
83	83	3-200-2-E	Elevator Machinery Room	Aft Bulkhead	Grey/green + white T/C	0.02 ± 0.22	200
Bosuns Storeroom No 1/Ordnance Workshop							
22	22	2-0-0-A	Bosuns Storeroom No. 2	Deckhead	Red Lead + White T/C	3.95 ± 1.5	300
23	23	2-20-0-A	Windlass Room	Forward Bulkhead	Red Lead + White T/C	3.04 ± 0.9	300
24	24	2-32-0-Q	Watertight Escape Trunk	Internal Bulkhead	Red Lead + White T/C	1.6 ± 0.68	300
25	25	2-36-2-T	FWD Repair 2	Starboard Bulkhead	Red Lead + White T/C	4.06 ± 0.89	550
29	29	2-55-1-A	Watertight Escape Trunk	Forward Bulkhead	Red Lead + White T/C	6.16 ± 0.95	400
32	32	2-84-1-T	Frame 100-140	Aft Bulkhead	Red Lead + White T/C	5.28 ± 1.02	600
33	33		Frame 140-180	Deckhead	Red Lead + White T/C	2.71 ± 0.6	140
34	34		Passage	Port Bulkhead	Red Lead + White T/C	2.23 ± 0.79	575
35	35	2-180-1-L	Watertight Escape Trunk	Aft Bulkhead	Red Lead + White T/C	6.46 ± 1.5	730
39	39	2-208-2-T	Repair Base 5	Forward Bulkhead	Red Lead + White T/C	4.93 ± 1.22	250
41	41	2-225-1-A	Trash Disposal Room (Old Canteen)	Aft Bulkhead	Red Lead + White T/C	1.77 ± 0.51	350
42	42	2-237-1-Q	Cross Passage	Forward Bulkhead	Red Lead + White T/C	4.17 ± 1.01	200
43	43	2-250-0-L	General Workshop	Aft Bulkhead	Red Lead + White T/C	3.4 ± 0.96	650
48	48	2-292-2-Q	Watertight Escape Trunk	Forward Bulkhead	Red Lead + White T/C	6 ± 1.17	250
50	50	2-325-0-T	Flammable Liquid Storeroom	Port Bulkhead	Red Lead + White T/C	3.6 ± 1.13	480
58	58	3-32-1-K	Deck Gear Storeroom	Deckhead	Red Lead + White T/C	5.74 ± 1.45	230
59	59	3-32-2-A	Watertight Escape Trunk	Forward Bulkhead	Red Lead + White T/C	8.4 ± 1.19	250
61	61	3-36-2-T	Frame 40-64 Port	Aft Bulkhead	Red Lead + White T/C	2.74 ± 1.1	340
62	62		Passage	Starboard Bulkhead	Red Lead + White T/C	5.36 ± 1.17	180
66	66	4-48-2-L	Small Arms Magazine	Aft Bulkhead	Red Lead + White T/C	2.79 ± 1	500
67	67	4-56-0-M	MK13 GMLS Magazine Service Room	Port Bulkhead	Red Lead + White T/C	4.55 ± 1.17	300
68	68	4-64-0-Q	Frame 140-180	Internal Bulkhead	Red Lead + White T/C	6.43 ± 0.98	300
71	71		Sewage Collection Holding & Boiler Room	Aft Bulkhead	Red Lead + White T/C	6.06 ± 1.18	190
74	74	4-160-0-Q	Switchgear Room	Aft Bulkhead	Red Lead + White T/C	12.55 ± 1.57	260
78	78	3-180-2-C	Dry Provision Storeroom	Port Bulkhead	Red Lead + White T/C	3.5 ± 0.95	290
79	79	3-180-5-A	Passage	Port Bulkhead	Red Lead + White T/C	3.82 ± 1.05	430
80	80	3-188-0-L	Combined Supply Department Storeroom	Port Bulkhead	Red Lead + White T/C	8.67 ± 1.3	400
88	88	3-328-0-A		Aft Bulkhead	Red Lead + White T/C	5.43 ± 1.21	275
							358
Officers Stateroom 1							
8	8	1-140-0-L	Officers Stateroom 1	Deck	Red Lead only	10.55 ± 1.23	140
9	9	1-140-2-L	Officers Stateroom 2	Deck	Red Lead only	5.58 ± 1.26	100
10	10	1-156-2-L	Supply Officers Stateroom	Deck	Red Lead only	13.17 ± 1.26	170
11	11	1-164-1-L	Officers Stateroom 3	Deck	Red Lead only	3.96 ± 0.43	70
12	12	1-164-2-L	Weapons Electrical Officers Stateroom	Deck	Red Lead only	6.18 ± 1.17	100
13	13	1-171-1-L	Officers Stateroom 4	Deck	Red Lead only	3.71 ± 0.47	75
14	14	1-172-2-L	Operations Officers Stateroom	Deck	Red Lead only	6.42 ± 1.04	100
27	27	2-48-1-A	Armoury	Deck	Red Lead only	2.88 ± 0.47	85
31	31	2-79-0-C	IC & Gyro Room Electronics Workshop	Aft Bulkhead	Red Lead only	5.1 ± 1.12	100
36	36	2-180-2-L	Chief Petty Officers Messroom	Internal Bulkhead	Red Lead only	3.39 ± 0.49	60
46	46	2-292-01-C	Central Control Station (CCS)	Starboard Bulkhead	Red Lead only	3.89 ± 0.52	60
49	49	2-316-2-Q	Electrical Shop & Degaussing Equipment Room	Aft Bulkhead	Red Lead only	5.83 ± 1.08	60
				Forward Bulkhead	Red Lead Only		80

51	51	2-328-0-Q	Central Office Complex (COC)	Forward Bulkhead	Red Lead only	5.1 ± 1.1	100	26
64	64	4-32-0-Q	Sonar Equipment Room	Starboard Bulkhead	Red Lead only	5.1 ± 1	100	26
69	69	3-84-0-E	Air conditioning Machinery Room	Port Bulkhead	Red Lead only	5.1 ± 1	130	20
70	70		Frame 100-140	Starboard Bulkhead	Red Lead only	8.84 ± 1.16	110	40
72	72	4-100-0-E	Auxiliary Propulsion Unit (APU) Machinery Room	Beam	Red Lead only	3.79 ± 0.65	90	21
73	73	4-140-0-Q	Laundry	Forward Bulkhead	Red Lead only	5.91 ± 1.28	125	24
77	77	5-180-0-E	Auxiliary Machinery Room (AMR) No. 1	Starboard Bulkhead	Red Lead only	4.79 ± 1.26	110	22
85	85	5-250-0-E	Engine Room	Forward Bulkhead	Red Lead only	5.99 ± 1.23	190	16
86	86	5-292-0-E	Auxiliary Machinery Room (AMR) No. 3	Forward Bulkhead	Red Lead only	3.3 ± 0.96	80	21
87	87	5-368-01-E	Steering Gear Room	Forward Bulkhead	Red Lead only	3.9 ± 0.58	60	33
							102	28
26	26	2-40-2-L	Passage	Forward Bulkhead	Red Oxide + White T/C	0.03 ± 0.06	500	0
54	54	2-368-1-A	Aviation Storeroom No. 1	Port Bulkhead	Red Oxide + White T/C	0.04 ± 0.13	280	0
55	55		Frame 368-388 Port	Aft Bulkhead	Red Oxide + White T/C	0.06 ± 0.22	360	0
56	56	2-388-2-Q	Tactas, Sonobuoy & Bathythermograph Room	Deckhead	Red Oxide + White T/C	0.02 ± 0.16	140	0
57	57	2-397-1-Q	NIXIE Room	Starboard Bulkhead	Red Oxide only	0.02 ± 0.07	90	0
18	18	1-220-0-M	Torpedo Magazine	Deck	White topcoat	0.01 ± 0.02	250	0
76	76	4-203-0-T	Elevator Trunk	Forward Bulkhead	White topcoat	0.03 ± 0.15	375	0
3	3	02-116-2-C	Chart Room	Port Bulkhead	Yellow primer + white T/C	0.21 ± 0.09	AI	AI
4	4	01-113-2-L	Passage	Starboard Bulkhead	Yellow primer + white T/C	0.04 ± 0.15	AI	AI
5	5	01-180-0-Q	AN/SPS 55 Air Nav/ECM Room	Starboard Bulkhead	Yellow primer + white T/C	0.04 ± 0.04	AI	AI
6	6	01-193-0-Q	Stir Equipment Room	Port Bulkhead	Yellow primer + white T/C	0.08 ± 0.09	AI	AI
15	15	1-212-0-L	Passage (Pass Fr. 278-328)	Starboard Bulkhead	Yellow primer + white T/C	0.02 ± 0.14	AI	AI
16	16	1-212-0-L	Passage (Pass Fr. 220-250)	Port Bulkhead	Yellow primer + white T/C	0.13 ± 0.43	AI	AI
17	17	1-212-0-L	Passage (Pass Fr. 250-278)	Starboard Bulkhead	Yellow primer + white T/C	0.02 ± 0.06	AI	AI
53	53	2-368-0-Q	RAST Helicopter Haul Down & Traverse Machinery Room	Starboard Bulkhead	Yellow primer + white T/C	0.02 ± 0.06	200	0
63	63		Frame 40-64 Stbd	Port Bulkhead	Yellow primer + white T/C	0.09 ± 0.16	260	0
28	28	2-48-4-Q	Registered Publications Vault	Starboard Bulkhead	Yellow primer only	0.06 ± 0.15	150	0
30	30	2-64-0-L	Passage	Port Bulkhead	Yellow primer only	0.29 ± 0.2	130	0
37	37	2-180-4-L	Passage	Port Bulkhead	Yellow primer only	2.04 ± 0.49	150	7
40	40	2-212-0-L	Junior Sailor Dining Crew Messroom	Port Bulkhead	Yellow primer only	0.08 ± 0.28	130	0
44	44	2-250-0-L	Passage (Stbd)	Starboard Bulkhead	Yellow primer only	0.05 ± 0.21	200	0
45	45	2-250-0-L	Passage (Port)	Port Bulkhead	Yellow primer only	0.07 ± 0.1	160	0
2	2		Calibration (3.72 ± 0.45)			3.7 ± 0.44		
38	38		Calibration (3.72 ± 0.45)			3.56 ± 0.5		
81	81		Calibration (3.72 ± 0.45)			3.81 ± 0.39		
89	89		Calibration (3.72 ± 0.45)			3.8 ± 0.45		

Scan	Result	DI	Sec Date/Time	Pbl	Pbl Error Pbk	Pbk Error Pbk	Pbk Error Pbc	Pbc Error Res Error		
job2559_100712_06	NEG	1.9	12.4	07/12/2010 10:06	0.08	0.12	0.39	1.01	0.08	0.12
job2559_100712_18	NEG	10	26.5	07/12/2010 10:50	0.16	0.17	0.12	0.63	0.12	0.63
job2559_100712_19	NEG	1.2	7.9	07/12/2010 10:56	0.05	0.08	1.07	1.22	0.05	0.08
job2559_100712_20	NEG	1	3.3	07/12/2010 11:00	0	0.13	0.37	2.36	0	0.13
job2559_100712_46	NEG	1	3.3	07/12/2010 13:38	0	0.09	-1.35	2.19	0	0.09
job2559_100712_51	NEG	2.9	12.5	07/12/2010 14:24	0.06	0.17	-0.31	1.02	0.06	0.17
job2559_100712_64	NEG	8.2	22.2	07/12/2010 15:15	0.05	0.07	0.1	0.69	0.1	0.69
job2559_100712_74	NEG	2.6	22.2	07/12/2010 16:04	0.05	0.09	-0.47	0.68	0.05	0.09
job2559_100712_81	NEG	2.5	22.2	07/12/2010 16:38	0.07	0.09	0.04	0.71	0.07	0.09
job2559_100712_83	NEG	1.1	22.1	07/12/2010 16:50	0.01	0.05	-0.15	0.71	0.01	0.05
job2559_100712_82	NEG	2.2	5.7	07/12/2010 16:42	0.02	0.22	0.57	1.48	0.02	0.22
job2559_100712_21	POS	10	8.1	07/12/2010 11:30	0.7	0.53	3.95	1.5	3.95	1.5
job2559_100712_22	POS	7.5	17.4	07/12/2010 11:42	4.3	1.8	3.04	0.9	3.04	0.9
job2559_100712_23	POS	7.5	22.2	07/12/2010 11:48	1.6	0.68	2.77	0.8	1.6	0.68
job2559_100712_24	POS	10	21.5	07/12/2010 11:51	0.15	0.98	4.06	0.89	4.06	0.89
job2559_100712_28	POS	7.4	19.7	07/12/2010 12:10 >>5.0	0.38	2.15	6.16	0.95	6.16	0.95
job2559_100712_31	POS	10	17.1	07/12/2010 12:25	0.38	2.15	5.28	1.02	5.28	1.02
job2559_100712_32	POS	1.6	7.7	07/12/2010 12:33	2.71	0.6	3.17	1.54	2.71	0.6
job2559_100712_33	POS	10	19.8	07/12/2010 12:42	1.1	0.75	2.23	0.79	2.23	0.79
job2559_100712_34	POS	10	10.4	07/12/2010 12:48	0.84	0.61	6.46	1.5	6.46	1.5
job2559_100712_38	POS	10	12.7	07/12/2010 13:01	4.49	1.61	4.93	1.22	4.93	1.22
job2559_100712_40	POS	4.2	19.7	07/12/2010 13:11	1.77	0.51	1.06	0.81	1.77	0.51
job2559_100712_41	POS	3.4	19.2	07/12/2010 13:15	4.2	1.9	4.17	1.01	4.17	1.01
job2559_100712_42	POS	10	17.5	07/12/2010 13:20	0.6	0.42	3.4	0.96	3.4	0.96
job2559_100712_47	POS	3.3	14.8	07/12/2010 13:42 >>5.0	1.23	0.95	6	1.17	6	1.17
job2559_100712_49	POS	8.4	12.8	07/12/2010 14:16	1.23	0.95	3.6	1.13	3.6	1.13
job2559_100712_57	POS	5.4	10.3	07/12/2010 14:50 >>5.0	0.75	0.54	5.74	1.45	5.74	1.45
job2559_100712_58	POS	6.2	17.2	07/12/2010 14:54 >>5.0	0.75	0.54	8.4	1.19	8.4	1.19
job2559_100712_60	POS	10	12.8	07/12/2010 14:57	0.75	0.54	2.74	1.1	2.74	1.1
job2559_100712_61	POS	4.5	14.9	07/12/2010 15:05 >>5.0	0.75	0.54	5.36	1.17	5.36	1.17
job2559_100712_65	POS	10	15.1	07/12/2010 15:19	0.71	0.5	2.79	1	2.79	1
job2559_100712_66	POS	9.2	12.7	07/12/2010 15:22	2.39	1.47	4.55	1.17	4.55	1.17
job2559_100712_67	POS	10	19.9	07/12/2010 15:26	2.05	1.47	6.43	0.98	6.43	0.98
job2559_100712_70	POS	2.6	14.6	07/12/2010 15:44 >>5.0	0.75	0.54	6.06	1.18	6.06	1.18
job2559_100712_73	POS	5.9	12.5	07/12/2010 16:02 >>5.0	0.75	0.54	12.55	1.57	12.55	1.57
job2559_100712_77	POS	4.6	17.2	07/12/2010 16:24	3.5	0.95	5.03	1.04	5.03	1.04
job2559_100712_78	POS	10	15.1	07/12/2010 16:30	1.32	0.92	3.82	1.05	3.82	1.05
job2559_100712_79	POS	10	15.1	07/12/2010 16:33	3.88	2.21	8.67	1.3	8.67	1.3
job2559_100712_87	POS	6.7	12.7	07/12/2010 17:11 >>5.0	3.88	2.21	5.43	1.21	5.43	1.21
job2559_100712_07	POS	1.5	15.8	07/12/2010 10:11 >>5.0	0.75	0.54	10.55	1.23	10.55	1.23
job2559_100712_08	POS	1.2	11.8	07/12/2010 10:15 >>5.0	0.75	0.54	5.58	1.26	5.58	1.26
job2559_100712_09	POS	1.5	17.8	07/12/2010 10:19 >>5.0	0.75	0.54	13.17	1.26	13.17	1.26
job2559_100712_10	POS	1.2	16.2	07/12/2010 10:21	3.96	0.43	4.52	0.98	3.96	0.43
job2559_100712_11	POS	1.3	13.9	07/12/2010 10:23 >>5.0	0.75	0.54	6.18	1.17	6.18	1.17
job2559_100712_12	POS	1.1	11.8	07/12/2010 10:25	3.71	0.47	4.82	1.27	3.71	0.47
job2559_100712_13	POS	1.3	18.1	07/12/2010 10:27 >>5.0	0.75	0.54	6.42	1.04	6.42	1.04
job2559_100712_13	POS	1	7.5	07/12/2010 12:02	2.88	0.47	3.4	1.61	2.88	0.47
job2559_100712_26	POS	1.3	3	07/12/2010 12:22 >>5.0	0.75	0.54	5.96	3.14	5.1	1.12
job2559_100712_30	POS	1.1	9.7	07/12/2010 12:53	3.39	0.49	3.61	1.34	3.39	0.49
job2559_100712_35	POS	1.2	11.9	07/12/2010 13:32	3.89	0.52	4.19	1.24	3.89	0.52
job2559_100712_45	POS	1.2	16.1	07/12/2010 14:12 >>5.0	0.75	0.54	5.83	1.08	5.83	1.08

4.835714

job2559_100712_50	POS	1.2	3	07/12/2010 14:20 >>5.0	6.03	3.01	5.1	1.1
job2559_100712_63	POS	1.3	5.2	07/12/2010 15:13 >>5.0	4.66	2.11	5.1	1
job2559_100712_68	POS	1.2	5.2	07/12/2010 15:35 >>5.0	4.83	2.04	5.1	1
job2559_100712_69	POS	1.3	15.9	07/12/2010 15:39 >>5.0	8.84	1.16	8.84	1.16
job2559_100712_71	POS	1.2	7.5	07/12/2010 15:52	5.06	1.61	3.79	0.65
job2559_100712_72	POS	1.3	11.8	07/12/2010 15:58 >>5.0	5.91	1.28	5.91	1.28
job2559_100712_76	POS	1.3	11.8	07/12/2010 16:19 >>5.0	4.79	1.26	4.79	1.26
job2559_100712_84	POS	1.5	14	07/12/2010 16:56 >>5.0	5.99	1.23	5.99	1.23
job2559_100712_85	POS	1.2	3.1	07/12/2010 17:04	3.6	2.72	3.3	0.96
job2559_100712_86	POS	1.2	9.6	07/12/2010 17:08	3.95	1.38	3.9	0.58
							5.567273	
job2559_100712_25	NEG	1.8	22.2	07/12/2010 11:56	0.21	0.72	0.03	0.06
job2559_100712_53	NEG	1.4	5.7	07/12/2010 14:32	0.87	1.65	0.04	0.13
job2559_100712_54	NEG	3.4	12.8	07/12/2010 14:35	0.22	0.98	0.06	0.22
job2559_100712_55	NEG	1.3	5.6	07/12/2010 14:39	1.28	1.54	0.02	0.16
job2559_100712_56	NEG	1	3.1	07/12/2010 14:42	-0.36	2.37	0.02	0.07
job2559_100712_17	NEG	1.7	5.6	07/12/2010 10:49	-1.34	1.57	0.01	0.02
job2559_100712_75	INCOM	4.2	8	07/12/2010 16:13	0.53	1.29	0.03	0.15
job2559_100712_02	NEG	2.3	29.2	07/12/2010 9:43	0.09	0.52	0.21	0.09
job2559_100712_03	NEG	4.3	19.8	07/12/2010 9:48	-0.46	0.64	0.04	0.15
job2559_100712_04	NEG	1.1	22.2	07/12/2010 9:53	-0.17	0.63	0.04	0.04
job2559_100712_05	NEG	2.3	22.1	07/12/2010 9:59	0.09	0.62	0.08	0.09
job2559_100712_14	NEG	2.2	17.5	07/12/2010 10:36	-0.59	0.74	0.02	0.14
job2559_100712_15	NEG	10	47.6	07/12/2010 10:39	0.18	0.43	0.13	0.43
job2559_100712_16	NEG	5.6	34	07/12/2010 10:44	0.17	0.51	0.02	0.06
job2559_100712_52	NEG	1	8	07/12/2010 14:28	0.5	1.29	0.02	0.06
job2559_100712_62	NEG	2.8	12.8	07/12/2010 15:08	0.63	1.01	0.09	0.16
job2559_100712_27	NEG	2.5	15	07/12/2010 12:05	0.84	0.85	0.06	0.15
job2559_100712_29	NEG	2.5	14.5	07/12/2010 12:17	0.24	0.89	0.29	0.2
job2559_100712_36	POS	3	16.6	07/12/2010 12:56	2.34	0.89	2.04	0.49
job2559_100712_39	NEG	2.2	7.7	07/12/2010 13:08	0.27	1.34	0.08	0.28
job2559_100712_43	NEG	1	3.1	07/12/2010 13:23	0.62	2.26	0.05	0.21
job2559_100712_44	NEG	1.9	19	07/12/2010 13:26	0.1	0.78	0.07	0.1
job2559_100712_01	POS	1.1	14	07/12/2010 9:02	3.45	0.87	3.7	0.44
job2559_100712_37	POS	1.1	9.7	07/12/2010 12:59	4.56	1.36	3.56	0.5
job2559_100712_80	POS	1.2	18.6	07/12/2010 16:35	4.06	0.92	3.81	0.39
job2559_100712_88	POS	1.2	14	07/12/2010 17:16	2.97	1.04	3.8	0.45

No	XLNo	Number	Compartment Name	Surface	Coating System	Pb (mg/cm ²)
3	3	02-116-2-C	Chart Room	Port Bulkhead	Yellow primer + white T/C	0.21 ± 0.09
4	4	01-113-2-L	Passage	Starboard Bulkhead	Yellow primer + white T/C	0.04 ± 0.15
5	5	01-180-0-Q	AN/SPS 55 Air Nav/ECM Room	Starboard Bulkhead	Yellow primer + white T/C	0.04 ± 0.04
6	6	01-193-0-Q	Stir Equipment Room	Port Bulkhead	Yellow primer + white T/C	0.08 ± 0.09
7	7	1-100-0-Q	RADAR, IFF, CIC, Equipment Room (RICER)	Deck	Grey topcoat	0.08 ± 0.12
8	8	1-140-0-L	Officers Stateroom 1	Deck	Red Lead only	10.55 ± 1.23
9	9	1-140-2-L	Officers Stateroom 2	Deck	Red Lead only	5.58 ± 1.26
10	10	1-156-2-L	Supply Officers Stateroom	Deck	Red Lead only	13.17 ± 1.26
11	11	1-164-1-L	Officers Stateroom 3	Deck	Red Lead only	3.96 ± 0.43
12	12	1-164-2-L	Weapons Electrical Officers Stateroom	Deck	Red Lead only	6.18 ± 1.17
13	13	1-171-1-L	Officers Stateroom 4	Deck	Red Lead only	3.71 ± 0.47
14	14	1-172-2-L	Operations Officers Stateroom	Deck	Red Lead only	6.42 ± 1.04
15	15	1-212-0-L	Passage (Pass Fr 278-328)	Starboard Bulkhead	Yellow primer + white T/C	0.02 ± 0.14
16	16	1-212-0-L	Passage (Pass Fr 220-250)	Port Bulkhead	Yellow primer + white T/C	0.13 ± 0.43
17	17	1-212-0-L	Passage (Pass Fr 250-278)	Starboard Bulkhead	Yellow primer + white T/C	0.02 ± 0.06
18	18	1-220-0-M	Torpedo Magazine	Deck	White topcoat	0.01 ± 0.02
19	19	1-220-0-M	Torpedo Magazine	Deck	Grey topcoat	0.12 ± 0.63
20	20	1-236-1-A	Halon Cylinder Storerom	Deck	Grey topcoat	0.05 ± 0.08
21	21	1-253-2-Q	Helicopter Shop	Deck	Grey topcoat	0 ± 0.13
22	22	2-0-0-A	Bosuns Storerom No 1/Ordnance Workshop	Deckhead	Red Lead + White T/C	3.95 ± 1.5
23	23	2-20-0-A	Bosuns Storerom No. 2	Forward Bulkhead	Red Lead + White T/C	3.04 ± 0.9
24	24	2-32-0-Q	Windlass Room	Internal Bulkhead	Red Lead + White T/C	1.6 ± 0.68
25	25	2-36-2-T	Watertight Escape Trunk	Starboard Bulkhead	Red Lead + White T/C	4.06 ± 0.89
26	26	2-40-2-L	Passage	Forward Bulkhead	Red Oxide + White T/C	0.03 ± 0.06
27	27	2-48-1-A	Armoury	Aft Bulkhead	Red Lead only	2.88 ± 0.47
28	28	2-48-4-Q	Registered Publications Vault	Starboard Bulkhead	Yellow primer only	0.06 ± 0.15
29	29	2-55-1-A	FWD Repair 2	Forward Bulkhead	Red Lead + White T/C	6.16 ± 0.95
30	30	2-64-0-L	Passage	Port Bulkhead	Yellow primer only	0.29 ± 0.2
31	31	2-79-0-C	IC & Gyro Room Electronics Workshop	Internal Bulkhead	Red Lead only	5.1 ± 1.12
32	32	2-84-1-T	Watertight Escape Trunk	Aft Bulkhead	Red Lead + White T/C	5.28 ± 1.02
33	33		Frame 100-140	Deckhead	Red Lead + White T/C	2.71 ± 0.6
34	34		Frame 140-180	Port Bulkhead	Red Lead + White T/C	2.23 ± 0.79
35	35		Passage	Aft Bulkhead	Red Lead + White T/C	6.46 ± 1.5
36	36	2-180-1-L	Chief Petty Officers Messroom	Starboard Bulkhead	Red Lead only	3.39 ± 0.49
37	37	2-180-2-L	Passage	Port Bulkhead	Yellow primer only	2.04 ± 0.49