

Gun Array Audit Measurements      Vessel      Western Trident      Date      December 31 2004

Array	Sub-Array	Gun Position	Separation	Offset to DI	Offset to NFH	Depth	Indicated Depth
Starboard	1	1	0.80	1.20	1.20	6.95	7.30
Starboard	1	2	0.80		1.25	6.35	7.20
Starboard	1	3			1.20	7.01	7.44
Starboard	1	4		1.10	1.15	6.91	7.24
Starboard	1	5			1.00	6.85	7.06
Starboard	1	6		1.00	1.00	7.20	6.92
Starboard	2	1	0.80	1.20	1.20	6.80	7.25
Starboard	2	2	0.70		1.20	6.75	7.24
Starboard	2	3			1.00	7.00	7.30
Starboard	2	4		1.05	1.05	6.88	7.32
Starboard	2	5			1.00	6.80	6.90
Starboard	2	6		0.95	1.00	6.70	6.80
Starboard	3	1	0.80	1.20	1.20	6.35	7.01
Starboard	3	2	0.75		1.15	6.60	6.95
Starboard	3	3			1.00	6.60	6.76
Starboard	3	4		1.10	1.00	6.70	6.76
Starboard	3	5			1.05	6.65	7.02
Starboard	3	6		1.00	0.95	7.01	7.28
Starboard	4	1	0.80	1.35	1.20	6.65	7.47
Starboard	4	2	0.75		1.27	6.70	7.19
Starboard	4	3			1.00	6.70	6.66
Starboard	4	4		1.10	1.00	6.95	6.64
Starboard	4	5			1.00	7.30	6.90
Starboard	4	6		1.00	1.00	7.25	7.06
Port	5	1	0.80	1.10	1.20	6.75	7.01
Port	5	2	0.70		1.15	6.70	7.07
Port	5	3			1.10	6.85	7.24
Port	5	4		1.15	1.15	7.03	7.26
Port	5	5			1.15	6.85	7.26
Port	5	6		0.95	1.05	7.20	7.06
Port	6	1	0.80	1.20	1.20	7.10	7.03
Port	6	2	0.70		1.10	6.95	6.96
Port	6	3			1.05	6.78	6.74
Port	6	4		1.05	1.05	6.95	6.68
Port	6	5			1.00	7.15	6.84
Port	6	6		1.00	1.00	6.70	6.88
Port	7	1	0.80	1.20	1.20	6.35	6.98
Port	7	2	0.70		1.20	6.55	6.86
Port	7	3			1.00	6.70	6.88
Port	7	4		1.05	1.05	7.00	6.96
Port	7	5			1.00	7.15	7.12
Port	7	6		1.00	1.05	6.65	6.84
Port	8	1	0.80	1.15	1.20	7.35	6.9
Port	8	2	0.70		1.25	6.65	6.96
Port	8	3			1.15	6.70	6.96
Port	8	4		1.20	1.10	6.65	6.98
Port	8	5			1.20	6.75	6.94
Port	8	6		1.00	1.00	7.23	6.37

From	To	Sub array	Length
Gun 1/2	Gun 3/4	1	4.34
Gun 3/4	Gun 5	1	3.32
Gun 5	Gun 6	1	2.80
Gun 6	Gun 7	1	2.55
Gun 7	Gun 8	1	2.24
Gun 1/2	Gun 3/4	2	4.31
Gun 3/4	Gun 5	2	3.34
Gun 5	Gun 6	2	2.86
Gun 6	Gun 7	2	2.53
Gun 7	Gun 8	2	2.26
Gun 1/2	Gun 3/4	3	4.34
Gun 3/4	Gun 5	3	3.36
Gun 5	Gun 6	3	2.84
Gun 6	Gun 7	3	2.57
Gun 7	Gun 8	3	2.22
Gun 1/2	Gun 3/4	4	4.30
Gun 3/4	Gun 5	4	3.30
Gun 5	Gun 6	4	2.84
Gun 6	Gun 7	4	2.55
Gun 7	Gun 8	4	2.25
Gun 1/2	Gun 3/4	5	4.30
Gun 3/4	Gun 5	5	3.30
Gun 5	Gun 6	5	2.87
Gun 6	Gun 7	5	2.56
Gun 7	Gun 8	5	2.25
Gun 1/2	Gun 3/4	6	4.35
Gun 3/4	Gun 5	6	3.34
Gun 5	Gun 6	6	2.82
Gun 6	Gun 7	6	2.56
Gun 7	Gun 8	6	2.24
Gun 1/2	Gun 3/4	7	4.32
Gun 3/4	Gun 5	7	3.33
Gun 5	Gun 6	7	2.84
Gun 6	Gun 7	7	2.55
Gun 7	Gun 8	7	2.21
Gun 1/2	Gun 3/4	8	4.33
Gun 3/4	Gun 5	8	3.33
Gun 5	Gun 6	8	2.83
Gun 6	Gun 7	8	2.54
Gun 7	Gun 8	8	2.23

- Notes: 1 All measurements in metres  
2 New depth ropes fitted, expect some stretching  
3 Depth adjustments to be made as necessary after deployment  
4 Depth Indicator readings checked, accurate to 0.2 metre  
5 In-line positions accurate to within 0.1 metre  
6 Total sub-array length accurate to within 1.6%  
(Worst case sub-array 3: 0.23 metres over standard length of 15.1 metres)  
7 Average offset to depth indicator 1.1 metre