

CONFIDENTIAL
NAVY

<u>BUDGET ACTIVITY - TASK - PROJECT</u>	<u>PROJECT NO.</u>	<u>LABORATORY</u>	<u>AMOUNT</u>	<u>TOTAL</u>
-2 AIR BLAST EFFECTS				540
a. Phenomenology				
01.02 Subsurface detection	OF 008 10 03	NOL	240	
b. Loading and response				
02.05 Aluminum beam	SF 013 04 05	NCEL	10	
02.10 Blast doors & closures	SF 013 04 05	DTMB	25	
02.12 Duct chamber systems	SF 013 04 05	DTMB	10	
02.14 Smoke pipes	SF 013 04 05	DTMB	10	
02.15 Deckhouses	SF 013 04 05	DTMB	50	
02.17 Shipboard radar	SF 013 04 05		50	
02.24 Blast spherical charge	SF 013 04 05	NOL	75	
02.25 Blast HE fuel	SF 013 04 05		50	
02.42 Damage prediction	SF 013 04 05	DTMB	20	
-3 UNDERWATER BLAST & SHOCK EFFECTS				976
a. Phenomenology				
14.01 Bottom reflection	OF 008 10 003	NOL	30	
14.02 Refraction	OF 008 10 003	NOL	75	
14.04 Bubble migration	OF 008 10 003	NOL	250	
14.06 Hi gravity tank	OF 008 10 003	NOL	40	
14.17 Propagation	OF 008 10 003	NOL	33	
14.18 Shallow water propagation	OF 008 10 003	NOL	30	
14.25 Surface reflection	OF 008 10 003	NOL	33	
14.26 Supporting research	RF 001 02 01	Col/U	25	
b. Loading & response				
14.09 Equipment damage	SF 13 10 02	DTMB	360	
14.14 Damage prediction methods	SF 013 10 02	DTMB	30	
14.21 Hull damage	SF 013 04 03	DTMB	70	
A-4 UNDERGROUND BLAST & SHOCK EFFECTS				3
a. Phenomenology				
None			0	
b. Loading & response				
13.18 Failure from grd motion	YF 008 01	NCEL	3	

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5 THERMAL RADIATION				0
None			0	
6 NUCLEAR RADIATION				140
a. Shielding studies				
11.05 Gamma ray penetration	SF 011 05 012	NRDL	75	
b. Effects on materials				
None			0	
c. Theoretical & Experimental Studies				
06.11 Neut-Gamma Reaction	SF 011 05 011	NRDL	65	
d. Weapons test instrumentation				
None			0	
-7 ELECTROMAGNETIC EFFECTS				0
None			0	
-8 FALLOUT				220
a. Distribution of radioactive debris				
None			0	
b. Model & theoretical studies				
10.01 Hydra lab	SF 011 05 11	NRDL	220	
c. Weapons test instrumentation				
None			0	
A-9 MEDICAL ASPECTS OF BLAST INJURY				0
None			0	
-10 MEDICAL ASPECTS OF THERMAL INJURY				0
None			0	
-11 MEDICAL ASPECTS OF IONIZING RADIATION				0
None			0	
		TOTAL		1879