

CAPACITY DATA CALL
NAVWPNSTAs, NAVMAGs, and STRATEGIC MISSILE FACILITIES

Questions for the Activities

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CAPACITY DATA CALL

Weapons Stations, Naval Magazines, and Strategic Missile Facilities

Questions for the Activities:

Primary Activity UIC: 68297

Mission Area

1. Inventory

1.1 Historic and Predicted Workload. List by units of weapon type the quantities of all weapons that were receipted into/are programmed to be in your inventory for the period below. Report the single highest total onboard quantity in inventory for each Fiscal Year. (Report data as of 30 September of the Fiscal Year, where data is not available for the whole year.) For each commodity, separately identify non-DoN requirements (e.g. DoN: #x / Army: #y).

Table 1.1.a: Historic and Predicted Inventory

Ammunition/Ordnance Commodity Type	Units in Inventory (items)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines - Sea (N) (1)	340	340	340	663	323	323	323	115
Mines - Land (N) (1)	22,765	22,765	22,765	22,765	22,765	22,765	22,765	22,765
Mines - Land (A) (2)	40,806	40,806	40,806	40,806	40,806	40,806	40,806	40,806
Torpedoes (N) (1)	950	950	962	968	991	1133	1189	1386
Air Launched Threat	0	0	0	0	0	0	0	0
Surface launched Threat (N) (1)					74	71	69	140
Other Threat	0	0	0	0	0	0	0	0
Expendables (N) (1)	553,875	553,875	553,875	553,875	553,875	553,875	553,875	553,875
Inert (N) (1)	171,010	171,010	171,010	171,010	171,010	171,010	171,010	171,010
CAD's/PAD's (N) (1)	82,550	82,550	82,550	82,550	82,550	82,550	82,550	82,550
Strategic Nuclear	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Tactical Nuclear	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
LOE: Rockets (N) (1, 4)	9,392	9,392	9,392	9,392	9,392	9,392	9,392	9,392
LOE: Rockets (A) (2, 4)	21,710	21,710	21,710	21,710	21,710	21,710	21,710	21,710
LOE: Bombs (N) (1)	1,293	1,293	1,293	1,293	1,293	1,293	1,293	1,293
LOE: Gun AMMO (20mm-16") (N) (1)	4,097,816	4,097,816	4,097,816	4,097,816	4,097,816	4,097,816	4,097,816	4,097,816
LOE: Small Arms (upto 50 cal) (N) (1)	48,339,340	48,339,340	48,339,340	48,339,340	48,339,340	48,339,340	48,339,340	48,339,340
LOE: Small Arms (upto 50 cal) (A) (2)	24,500,000	24,500,000	24,500,000	24,500,000	24,500,000	24,500,000	24,500,000	24,500,000
LOE: Pyro/Demo (N) (1)	1,748,317	1,748,317	1,748,317	1,748,317	1,748,317	1,748,317	1,748,317	1,748,317
LOE: Pyro/Demo (A) (2)	1,056,893	1,056,893	1,056,893	1,056,893	1,056,893	1,056,893	1,056,893	1,056,893
Grenades/Mortars/ Projectiles (N) (1)	520,089	520,089	520,089	520,089	520,089	520,089	520,089	520,089

Grenades/Mortars/Projectiles (A) (2, 5)	570,536	570,536	570,536	570,536	570,536	570,536	570,536	570,536
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1. Inventory, continued

Table 1.1.b: Historic and Predicted Inventory

Ammunition / Ordnance Commodity Type	Units in Inventory (items)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines - Sea (N)	115	115	115	115	115	115	115	115
Mines - Land (N)	22,979	22,979	22,979	22,979	22,979	22,979	22,979	22,979
Mines - Land (A)	40,806	30,868	30,868	30,868	30,868	30,868	30,868	30,868
Torpedoes (N)	1357	1375	1350	1330	1288	1233	1216	1233
Air Launched Threat	0	0	0	0	0	0	0	0
Surface launched Threat (N)	200	200	200	200	200	200	200	200
Other Threat	0	0	0	0	0	0	0	0
Expendables (N)	553,875	553,875	553,875	553,875	553,875	553,875	553,875	553,875
Inert (N)	171,010	171,010	171,010	171,010	171,010	171,010	171,010	171,010
CAD's/PAD's (N)	146,300	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Strategic Nuclear	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Tactical Nuclear	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
LOE: Rockets (N) (4)	6,297	6,302	6,302	6,302	6,302	6,302	6,302	6,302
LOE: Rockets (A) (4)	21,710	21,812	21,812	21,812	21,812	21,812	21,812	21,812
LOE: Bombs (N)	6,842	1,293	1,293	1,293	1,293	1,293	1,293	1,293
LOE: Gun AMMO (20mm-16") (N)	1,246,661	1,246,661	1,246,661	1,246,661	1,246,661	1,246,661	1,246,661	1,246,661
LOE: Small Arms (upto 50 cal) (N)	34,189,151	34,189,151	34,189,151	34,189,151	34,189,151	34,189,151	34,189,151	34,189,151
LOE: Small Arms (upto 50 cal) (A)	24,500,000	24,500,000	24,500,000	24,500,000	24,500,000	24,500,000	24,500,000	24,500,000
LOE: Pyro/Demo (N)	1,440,812	1,440,812	1,440,812	1,440,812	1,440,812	1,440,812	1,440,812	1,440,812
LOE: Pyro/Demo (A)	1,056,893	1,003,598	1,003,598	1,003,598	1,003,598	1,003,598	1,003,598	1,003,598
Grenades/Mortars/Projectiles (N)	520,089	520,089	520,089	520,089	520,089	520,089	520,089	520,089

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Grenades/Mortars/ Projectiles (A) (5)	570,536	616,919	616,919	616,919	616,919	616,919	916,919	616,919
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General Notes for Historic and Predicted Inventory:

- a. (N) indicates Department of the Navy stocks.
- b. (A) indicates Department of the Army stocks.
- c. US Coast Guard stocks are held but comprise less than 1% of station stocks.

Numbered Notes for Historic and Predicted Inventory:

- (1) 1986 through 1989 figures are estimated from best information available. 1990 through 1992 figures are based on Data Call 29 - 1992.
- (2) 1986 through 1993 figures are estimated from best information available.
- (3) See Annex 1.
- (4) LOE Rockets include hand held rockets such as LAWS and Stinger.
- (5) Includes 105/155mm howitzer projectiles.

2. Stowage

2.1 Identify by units of weapon type the quantity of all weapons which can be presently stored at your facility and the maximum storage capability through FY 2001. In determining maximum capability assume (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance stowage, choose the best configuration based on type of facilities available and predicted requirements.

Table 2.1: Present and Predicted Stowage Capability

Ammunition/Ordnance Commodity Type	Present Stowage Capability	Maximum Stowage Capability
Mines-Sea	153	153
Mines - Land	75,741	75,741
Torpedoes	1789	1939
Air Launched Threat	(1)	(1)
Surface Launched Threat	246	246
Other Threat	(2)	(2)
Expendables	710,787	710,787
INERT	321,680	321,680
CADs/PADs	250,250	250,250
Strategic Nuclear	(3)	(3)
Tactical Nuclear	(3)	(3)
LOE: Rockets	45,101 (4)	45,101 (4)
LOE: Bombs	9,675	9,675
LOE: Gun Ammo (20mm-16")	1,521,797	1,521,797
LOE: Sm Arms (< 50 cal.)	30,012,621	80,012,621
LOE: Pyro/Demo	3,558,765	3,558,765
Grenades/Mortars/Projectiles	1,291,376 (5)	1,291,376 (5)

General Notes for Present and Predicted Stowage Capability.

- a. Stowage capability is based on Space Utilization reports listing tons of storage and converted to units. Quantities based on present commodity mix with magazines full of their presently held commodity.
- b. Present stowage capability is equal to maximum stowage capability based on no further MILCON for additional stowage.
- c. Quantities listed do not include storage capacities at Waikele branch.

Numbered Notes:

- (1) Air Launch Threat weapons have not historically been stored at Lualualei. Capabilities to store these weapons exists, but is not considered in calculations.
- (2) No commodities identified to this category.
- (3) See Annex 1.
- (4) Includes hand held rockets such as LAWS and Stinger.
- (5) Includes Army 105/155mm Howitzer projectiles.

2. Stowage, continued

2.2 Provide, by facility number, the present and predicted inventories and the maximum stowage capability in tons and square feet for each stowage facility (e.g. box, igloo) under your cognizance. Using the assumptions given in section 2.1 in predicting the outyear facility utilization, distribute your overall ordnance complement to the most likely configuration. When listing storage by facility, group facilities by location (e.g. main base, outlying area, special area, detachment), and identify that location in the space provided. Present and Predicted Inventories' SF reports the square footage required by those inventories; Maximum Stowage SF values will indicate the total square footage available. Reproduce Table 2.2 as necessary. *If any non-DON inventory is held/programmed to be held, report that material separately from your DON stock.*

Table 2.2: Total Facility Capability Summary

Site: Lualualei-DON

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
101A	12.6	1800	12.6	1800	14	2000
101B	25.4	1900	25.4	1900	26.7	2000
101C	18.3	1000	18.3	1000	36.6	2000
102	200	4250	200	4250	235.3	5000
102A	25.9	2000	25.9	2000	25.9	2000
102B	40	2000	40	2000	40	2000
102C	117	1800	117	1800	130	2000
103A	0	0	0	0	76.7	2000
104	175	5000	175	5000	175	5000
104A	0	0	0	0	76.7	2000
104B	0	0	0	0	76.7	2000
104C	0	0	0	0	77.5	2000
105A	19.8	1900	19.8	1900	20.8	2000
107A	50.7	1700	50.7	1700	54.4	2000
107B	61.7	1900	61.7	1900	64.9	2000

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2. Stowage, continued

2.2 Provide, by facility number, the present and predicted inventories and the maximum stowage capability in tons and square feet for each stowage facility (e.g. box, igloo) under your cognizance. Using the assumptions given in section 2.1 in predicting the outyear facility utilization, distribute your overall ordnance compliment to the most likely configuration. When listing storage by facility, group facilities by location (e.g. main base, outlying area, special area, detachment), and identify that location in the space provided. Present and Predicted Inventories' SF reports the square footage required by those inventories; Maximum Stowage SF values will indicate the total square footage available. Reproduce Table 2.2 as necessary. If any non-DON inventory is held/programmed to be held, report that material separately from your DON stock.

Table 2.2: **Total Facility Capability Summary**

Site: Lualualei-DON

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
101A	12.6	1800	12.6	1800	14	2000
101B	25.4	1900	25.4	1900	26.7	2000
101C	18.3	1000	18.3	1000	36.6	2000
102	200	4250	200	4250	235.3	5000
102A	25.9	2000	25.9	2000	25.9	2000
102B	40	2000	40	2000	40	2000
102C	117	1800	117	1800	130	2000
103A	0	0	0	0	76.7	2000
104	175	5000	175	5000	175	5000
104A	0	0	0	0	76.7	2000
104B	0	0	0	0	76.7	2000
104C	0	0	0	0	77.5	2000
105A	19.8	1900	19.8	1900	20.8	2000
107A	50.7	1700	50.7	1700	54.4	2000

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Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
107C	7.4	1000	7.4	1000	14.8	2000
108A	43.3	1800	43.3	1800	48.1	2000
108B	0	200	0	200	450	2000
108C	65	1900	65	1900	68.4	2000
110B	32.8	1800	32.8	1800	36.4	2000
1111	29	2000	29	2000	29	2000
111A	7.9	2000	7.9	2000	7.9	2000
111B	58.5	1500	58.5	1500	78	2000
111C	42	1400	42	1400	60	2000
117	200	5000	200	5000	200	5000
118	90.9	2000	90.9	2000	227.3	5000
120	220.6	4000	220.6	4000	280.9	5000
1210	35	2000	35	2000	35	2000
123	162	8100	162	8100	162	8100
125	3	70	3	70	6	140
126	2.1	35	2.1	35	8.4	140
127	0	0	0	0	5.5	140
128	0	1200	0	1200	0	1200
129	3	300	3	300	12	1200
130	3	28	3	28	15	140
132	0.7	70	0.7	70	1.4	140
133	0.6	14	0.6	14	6	140
134	0.6	28	0.6	28	0.6	140
135	0.2	70	0.2	70	0.4	140

107B	61.7	1900	61.7	1900	64.9	2000
107C	7.4	1000	7.4	1000	14.8	2000
108A	43.3	1800	43.3	1800	48.1	2000
108B	0	200	0	200	450	2000
108C	65	1900	65	1900	68.4	2000
110B	32.8	1800	32.8	1800	36.4	2000
1111	29	2000	29	2000	29	2000
111A	7.9	2000	7.9	2000	7.9	2000
111B	58.5	1500	58.5	1500	78	2000
111C	42	1400	42	1400	60	2000
117	200	5000	200	5000	200	5000
118	90.9	2000	90.9	2000	227.3	5000
120	220.6	4000	220.6	4000	280.9	5000
1210	35	2000	35	2000	35	2000
123	162	8100	162	8100	162	8100
125	3	70	3	70	6	140
126	2.1	35	2.1	35	8.4	140
127	0	0	0	0	5.5	140
128	0	1200	0	1200	0	1200
129	3	300	3	300	12	1200
130	3	28	3	28	15	140
132	0.7	70	0.7	70	1.4	140
133	0.6	14	0.6	14	6	140
134	0.6	28	0.6	28	0.6	140
135	0.2	70	0.2	70	0.4	140
137	3	70	3	70	6	140
138	0.3	35	0.3	35	1.2	140

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Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
137	3	70	3	70	6	140
138	0.3	35	0.3	35	1.2	140
139	4.5	126	4.5	126	5	140
140	0.1	49	0.1	49	0.2	140
141	0.5	42	0.5	42	1.6	140
142	1.7	42	1.7	42	5.6	140
143	0	0	0	0	3.6	140
144	0	0	0	0	3.6	140
145	0	0	0	0	3.6	140
146	0.1	28	0.1	28	0.5	140
147	1.3	14	1.3	14	13	140
148	0.1	35	0.1	35	0.4	140
149	1.2	28	1.2	28	6	140
150	0	0	0	0	3.6	140
151	6.6	500	6.6	500	6.6	500
152	8	400	8	400	10	500
153	12	200	12	200	30	500
154	0	0	0	0	14.5	500
155	5	500	5	500	5	500
157	8	500	8	500	8	500
2102	15.8	800	15.8	800	19.7	1000
2103	150	500	150	500	300	1000
2104	3	10	3	10	300	1000
2105	25	1000	25	1000	25	1000

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139	4.5	126	4.5	126	5	140
140	0.1	49	0.1	49	0.2	140
141	0.5	42	0.5	42	1.6	140
142	1.7	42	1.7	42	5.6	140
143	0	0	0	0	3.6	140
144	0	0	0	0	3.6	140
145	0	0	0	0	3.6	140
146	0.1	28	0.1	28	0.5	140
147	1.3	14	1.3	14	13	140
148	0.1	35	0.1	35	0.4	140
149	1.2	28	1.2	28	6	140
150	0	0	0	0	3.6	140
151	6.6	500	6.6	500	6.6	500
152	8	400	8	400	10	500
153	12	200	12	200	30	500
154	0	0	0	0	14.5	500
155	5	500	5	500	5	500
157	8	500	8	500	8	500
2102	15.8	800	15.8	800	19.7	1000
2103	150	500	150	500	300	1000
2104	3	10	3	10	300	1000
2105	25	1000	25	1000	25	1000
2106	28	1056	28	1056	28	1000
2107	35	1000	35	1000	35	1000
2109	16	1100	16	1100	29	2000
211	120	1267	120	1267	133.3	1408
2112	5	1000	5	1000	5	1000

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Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
2106	28	1056	28	1056	28	1000
2107	35	1000	35	1000	35	1000
2109	16	1100	16	1100	29	2000
211	120	1267	120	1267	133.3	1408
2112	5	1000	5	1000	5	1000
2116	28	1000	28	1000	28	1000
2119	60	2000	60	2000	60	2000
212	62	1056	62	1056	82.6	1408
2123	50	500	50	500	200	2000
2124	50	2000	50	2000	50	2000
2125	280	2000	280	2000	280	2000
2126	60	2000	60	2000	60	2000
2127	0	0	0	0	113.6	2000
2128	60	2000	60	2000	60	2000
2129	32	2000	32	2000	32	2000
2132	6	600	6	600	20	2000
2134	47.6	2000	47.6	2000	47.6	2000
2141	102.3	2000	102.3	2000	102.3	2000
2142	45.4	2000	45.4	2000	45.4	2000
2143	0	0	0	0	63.9	2000
2145	22	1800	22	1800	24.4	2000
215	12.2	2000	12.2	2000	12.2	2000
2156	33.4	2000	33.4	2000	33.4	2000
216	16.9	2000	16.9	2000	16.9	2000

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2116	28	1000	28	1000	28	1000
2119	60	2000	60	2000	60	2000
212	62	1056	62	1056	82.6	1408
2123	50	500	50	500	200	2000
2124	50	2000	50	2000	50	2000
2125	280	2000	280	2000	280	2000
2126	60	2000	60	2000	60	2000
2127	0	0	0	0	113.6	2000
2128	60	2000	60	2000	60	2000
2129	32	2000	32	2000	32	2000
2132	6	600	6	600	20	2000
2134	47.6	2000	47.6	2000	47.6	2000
2141	102.3	2000	102.3	2000	102.3	2000
2142	45.4	2000	45.4	2000	45.4	2000
2143	0	0	0	0	63.9	2000
2145	22	1800	22	1800	24.4	2000
215	12.2	2000	12.2	2000	12.2	2000
2156	33.4	2000	33.4	2000	33.4	2000
216	16.9	2000	16.9	2000	16.9	2000
217	12.8	800	12.8	800	16	1000
221	9	1000	9	1000	9	1000
222	8.2	850	8.2	850	9.7	1000
223	11	900	11	900	12.1	1000
224	13.2	1000	13.2	1000	13.2	1000
231	6	500	6	500	12	1000
232	25	1000	25	1000	25	1000
233	7	600	7	600	11.6	1000

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Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
217	12.8	800	12.8	800	16	1000
221	9	1000	9	1000	9	1000
222	8.2	850	8.2	850	9.7	1000
223	11	900	11	900	12.1	1000
224	13.2	1000	13.2	1000	13.2	1000
231	6	500	6	500	12	1000
232	25	1000	25	1000	25	1000
233	7	600	7	600	11.6	1000
242	30	1300	30	1300	46.1	2000
243	2.8	700	2.8	700	8	2000
244	30	1500	30	1500	40	2000
245	35	1700	35	1700	41.1	2000
254	15	2000	15	2000	15	2000
255	50	1700	50	1700	58.8	2000
256	60	1400	60	1400	85.7	2000
261	126.8	2000	126.8	2000	126.8	2000
264	120	2000	120	2000	139.1	2000
266	125.8	1700	125.8	1700	148	2000
2711	15	1000	15	1000	30	2000
2712	37.1	1600	37.1	1600	46.4	2000
2714	35	1800	35	1800	38.9	2000
274	54.1	700	54.1	700	77.3	1000
281	120	845	120	845	200	1408
282	100	704	100	704	200	1408

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242	30	1300	30	1300	46.1	2000
243	2.8	700	2.8	700	8	2000
244	30	1500	30	1500	40	2000
245	35	1700	35	1700	41.1	2000
254	15	2000	15	2000	15	2000
255	50	1700	50	1700	58.8	2000
256	60	1400	60	1400	85.7	2000
261	126.8	2000	126.8	2000	126.8	2000
264	120	2000	120	2000	139.1	2000
266	125.8	1700	125.8	1700	148	2000
2711	15	1000	15	1000	30	2000
2712	37.1	1600	37.1	1600	46.4	2000
2714	35	1800	35	1800	38.9	2000
274	54.1	700	54.1	700	77.3	1000
281	120	845	120	845	200	1408
282	100	704	100	704	200	1408
283	120	1250	120	1250	120	1250
286	20	1250	20	1250	20	1250
287	44.6	1250	44.6	1250	44.6	1250
291	5	750	5	750	6.6	1000
292	6.2	700	6.2	700	8.8	1000
293	3	300	3	300	10	1000
296	80	1000	80	1000	80	1000
297	30	950	30	950	31.5	1000
454	0	0	0	0	2.9	90
455	0	0	0	0	2.9	90
456	0	0	0	0	2.9	90

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Activity: 68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
283	120	1250	120	1250	120	1250
286	20	1250	20	1250	20	1250
287	44.6	1250	44.6	1250	44.6	1250
291	5	750	5	750	6.6	1000
292	6.2	700	6.2	700	8.8	1000
293	3	300	3	300	10	1000
296	80	1000	80	1000	80	1000
297	30	950	30	950	31.5	1000
454	0	0	0	0	2.9	90
455	0	0	0	0	2.9	90
456	0	0	0	0	2.9	90
457	0	0	0	0	2.9	90
458	0	0	0	0	2.9	90
459	0	0	0	0	2.9	90
54	622.2	4608	622.2	4608	777.7	5760
55	23.8	4320	23.8	4320	46.7	5760
56	12.1	4320	12.1	4320	16.1	5760
A103	180	5000	180	5000	180	5000
A104	140	3500	140	3500	200	5000
A105	200	5000	200	5000	200	5000
A107	0	0	0	0	200.3	5000
A109	224	4500	224	4500	248.9	5000
A110	92	4000	92	4000	115	5000
A111	157	2500	157	2500	314	5000

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457	0	0	0	0	2.9	90
458	0	0	0	0	2.9	90
459	0	0	0	0	2.9	90
54	622.2	4608	622.2	4608	777.7	5760
55	23.8	4320	23.8	4320	46.7	5760
56	12.1	4320	12.1	4320	16.1	5760
A103	180	5000	180	5000	180	5000
A104	140	3500	140	3500	200	5000
A105	200	5000	200	5000	200	5000
A107	0	0	0	0	200.3	5000
A109	224	4500	224	4500	248.9	5000
A110	92	4000	92	4000	115	5000
A111	157	2500	157	2500	314	5000
B103	20	1000	20	1000	100	5000
B104	253.4	4000	253.4	4000	316.8	5000
B106	156.2	3000	156.2	3000	260.3	5000
B107	80	4000	80	4000	100	5000
B108	320	5000	320	5000	320	5000
B110	52.8	5000	52.8	5000	52.8	5000
B111	160	5000	160	5000	160	5000
D121	300	0	300	0	753.5	10000
E101	192.5	5000	192.5	5000	192.5	5000
E102	300.7	5000	300.7	5000	300.7	5000
E103	68	5000	68	5000	68	5000
E104	300	5000	300	5000	348.9	5000
E106	400	5000	400	5000	405.8	5000
E107	400	5000	400	5000	400	5000
F101	0	0	0	0	453.5	10000
F102	0	0	0	0	453.5	10000

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Activity: 68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
B103	20	1000	20	1000	100	5000
B104	253.4	4000	253.4	4000	316.8	5000
B106	156.2	3000	156.2	3000	260.3	5000
B107	80	4000	80	4000	100	5000
B108	320	5000	320	5000	320	5000
B110	52.8	5000	52.8	5000	52.8	5000
B111	160	5000	160	5000	160	5000
D121	300	0	300	0	753.5	10000
E101	192.5	5000	192.5	5000	192.5	5000
E102	300.7	5000	300.7	5000	300.7	5000
E103	68	5000	68	5000	68	5000
E104	300	5000	300	5000	348.9	5000
E106	400	5000	400	5000	405.8	5000
E107	400	5000	400	5000	400	5000
G102	200	5000	200	5000	200	5000
G103	104	5000	104	5000	104	5000
G105	234	2500	234	2500	468	5000
G106	122	3250	122	3250	187.7	5000
J102	210	8640	210	8640	233.3	9600
J104	300	6000	300	6000	402.3	9600
Total This Site	10613	270110	10613	270110	14986.5	357582

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Site: Lualualei-US Army assigned facilities

G102	200	5000	200	5000	200	5000
G103	104	5000	104	5000	104	5000
G105	234	2500	234	2500	468	5000
G106	122	3250	122	3250	187.7	5000
J102	210	8640	210	8640	233.3	9600
J104	300	6000	300	6000	402.3	9600
J104	258.7	7200	258.7	7200	344.9	9600
J105	85	5760	85	5760	141.6	9600
J106	4.1	960	4.1	960	41	9600
J107	19	960	19	960	190	9600
J108	257.1	9600	257.1	9600	257.1	9600
J109	849.3	9600	849.3	9600	849.3	9600
S10	410	5760	410	5760	410	5760
S11	41.5	4320	41.5	4320	55.3	5760
S12	40.1	5184	40.1	5184	44.5	5760
S7	106	5760	106	5760	106	5760
S8	216	5760	216	5760	216	5760
S9	228	5760	228	5760	228	5760
Total This	12869.1	329534	12869.1	329534	18432.3	460142

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Activity:68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
101	143.1	4750	143.1	4750	172	5000
1010	87	2000	87	2000	87	2000
103B	120	2000	120	2000	120	2000
103C	89.7	1900	89.7	1900	94	2000
105	200	5000	200	5000	200	5000
105B	29.8	0	29.8	0	41.7	2000
105C	71.4	0	71.4	0	96	2000
106	34.5	5000	34.5	5000	34.5	5000
106A	23.5	1900	23.5	1900	25.9	2000
106B	35.8	1600	35.8	1600	43	2000
106C	23.8	1900	23.8	1900	28.6	2000
107	392.2	5000	392.2	5000	392	5000
108	268	0	268	0	268	5000
109	285	5000	285	5000	285	5000
109A	27.1	1800	27.1	1800	32.5	2000
109B	24.4	1000	24.4	1000	36.6	2000
109C	19	1000	19	1000	28.5	2000
110A	55.4	1200	55.4	1200	77.6	2000
110C	17.3	1900	17.3	1900	18.2	2000
1110	49.8	1000	49.8	1000	74.7	2000
116	117	4500	117	4500	123	5000
121	170.2	4000	170.2	4000	204	5000
124	253.7	4500	253.7	4500	330	8100
131	1.6	0	1.6	0	2.2	140

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Site: Lualualei-US Army assigned facilities

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
101	143.1	4750	143.1	4750	172	5000
1010	87	2000	87	2000	87	2000
103B	120	2000	120	2000	120	2000
103C	89.7	1900	89.7	1900	94	2000
105	200	5000	200	5000	200	5000
105B	29.8	0	29.8	0	41.7	2000
105C	71.4	0	71.4	0	96	2000
106	34.5	5000	34.5	5000	34.5	5000
106A	23.5	1900	23.5	1900	25.9	2000
106B	35.8	1600	35.8	1600	43	2000
106C	23.8	1900	23.8	1900	28.6	2000
107	392.2	5000	392.2	5000	392	5000
108	268	0	268	0	268	5000
109	285	5000	285	5000	285	5000
109A	27.1	1800	27.1	1800	32.5	2000
109B	24.4	1000	24.4	1000	36.6	2000
109C	19	1000	19	1000	28.5	2000
110A	55.4	1200	55.4	1200	77.6	2000
110C	17.3	1900	17.3	1900	18.2	2000
1110	49.8	1000	49.8	1000	74.7	2000
116	117	4500	117	4500	123	5000
121	170.2	4000	170.2	4000	204	5000
124	253.7	4500	253.7	4500	330	8100

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Activity: 68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
136	26.4	0	26.4	0	26.4	140
1510	153.3	2000	153.3	2000	153	2000
1511	31.8	1900	31.8	1900	31.8	2000
1512	37.2	2000	37.2	2000	37.2	2000
1513	86.1	1000	86.1	1000	129	2000
156	14.9	450	14.9	450	15.6	500
158	19.3	250	19.3	250	29	500
159	76.9	500	76.9	500	77	500
160	5	500	5	500	5	500
2101	24.1	500	24.1	500	36.2	1000
2108	9.5	1000	9.5	1000	14.3	2000
2111	24.1	500	24.1	500	36.2	1000
2113	9.4	1000	9.4	1000	9.4	1000
2114	6	100	6	100	11.4	1000
2115	55	1000	55	1000	55	1000
2117	42.1	800	42.1	800	50.5	1000
2118	68.8	1200	68.8	1200	96	2000
2121	88.5	1600	88.5	1600	110	2000
2122	20.9	2000	20.9	2000	20.9	2000
213	81.2	1338	81.2	1338	89.3	1408
2131	25.1	2000	25.1	2000	25.1	2000
2133	7.5	1400	7.5	1400	9.8	2000
2135	125.1	2000	125.1	2000	125	2000
2136	178.5	2000	178.5	2000	179	2000

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131	1.6	0	1.6	0	2.2	140
136	26.4	0	26.4	0	26.4	140
1510	153.3	2000	153.3	2000	153	2000
1511	31.8	1900	31.8	1900	31.8	2000
1512	37.2	2000	37.2	2000	37.2	2000
1513	86.1	1000	86.1	1000	129	2000
156	14.9	450	14.9	450	15.6	500
158	19.3	250	19.3	250	29	500
159	76.9	500	76.9	500	77	500
160	5	500	5	500	5	500
2101	24.1	500	24.1	500	36.2	1000
2108	9.5	1000	9.5	1000	14.3	2000
2111	24.1	500	24.1	500	36.2	1000
2113	9.4	1000	9.4	1000	9.4	1000
2114	6	100	6	100	11.4	1000
2115	55	1000	55	1000	55	1000
2117	42.1	800	42.1	800	50.5	1000
2118	68.8	1200	68.8	1200	96	2000
2121	88.5	1600	88.5	1600	110	2000
2122	20.9	2000	20.9	2000	20.9	2000
213	81.2	1338	81.2	1338	89.3	1408
2131	25.1	2000	25.1	2000	25.1	2000
2133	7.5	1400	7.5	1400	9.8	2000
2135	125.1	2000	125.1	2000	125	2000
2136	178.5	2000	178.5	2000	179	2000
2137	11	1400	11	1400	13.8	2000
2138	20	2000	20	2000	20	2000

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Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
2137	11	1400	11	1400	13.8	2000
2138	20	2000	20	2000	20	2000
214	35.1	950	35.1	950	38.6	1000
2144	18.6	0	18.6	0	18.6	2000
2146	8	1100	8	1100	11.6	2000
2147	31.8	1500	31.8	1500	38.2	2000
2151	52.9	1900	52.9	1900	52.9	2000
2152	33.9	1600	33.9	1600	33.9	2000
2153	126.7	2000	126.7	2000	127	2000
2154	50	2000	50	2000	50	2000
2155	60	900	60	900	108	2000
2157	93	1900	93	1900	93	2000
2158	247.1	2000	247.1	2000	296	2000
2159	47.7	1400	47.7	1400	66.8	2000
225	6.2	0	6.2	0	6.2	1000
226	4	0	4	0	4	1000
227	11	0	11	0	15.4	1000
234	9.2	800	9.2	800	11	1000
235	3.7	300	3.7	300	6.3	1000
236	43.5	1000	43.5	1000	43.5	1000
237	73.7	1500	73.7	1500	92	2000
241	350.8	2000	350.8	2000	350	2000
246	24	400	24	400	43.2	2000
247	103	0	103	0	103	2000

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214	35.1	950	35.1	950	38.6	1000
2144	18.6	0	18.6	0	18.6	2000
2146	8	1100	8	1100	11.6	2000
2147	31.8	1500	31.8	1500	38.2	2000
2151	52.9	1900	52.9	1900	52.9	2000
2152	33.9	1600	33.9	1600	33.9	2000
2153	126.7	2000	126.7	2000	127	2000
2154	50	2000	50	2000	50	2000
2155	60	900	60	900	108	2000
2157	93	1900	93	1900	93	2000
2158	247.1	2000	247.1	2000	296	2000
2159	47.7	1400	47.7	1400	66.8	2000
225	6.2	0	6.2	0	6.2	1000
226	4	0	4	0	4	1000
227	11	0	11	0	15.4	1000
234	9.2	800	9.2	800	11	1000
235	3.7	300	3.7	300	6.3	1000
236	43.5	1000	43.5	1000	43.5	1000
237	73.7	1500	73.7	1500	92	2000
241	350.8	2000	350.8	2000	350	2000
246	24	400	24	400	43.2	2000
247	103	0	103	0	103	2000
251	13.7	1600	13.7	1600	16.4	2000
252	43.3	2000	43.3	2000	43.3	2000
253	41.8	2000	41.8	2000	41.8	2000
257	32	2000	32	2000	32	2000
262	30.1	2000	30.1	2000	30.1	2000

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Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
251	13.7	1600	13.7	1600	16.4	2000
252	43.3	2000	43.3	2000	43.3	2000
253	41.8	2000	41.8	2000	41.8	2000
257	32	2000	32	2000	32	2000
262	30.1	2000	30.1	2000	30.1	2000
263	41	1500	41	1500	49.2	2000
265	66.5	1800	66.5	1800	80	2000
267	166.7	200	166.7	200	167	2000
271	59.9	1000	59.9	1000	60	1000
2710	78.8	2000	78.8	2000	78.8	2000
2713	60	2000	60	2000	60	2000
2715	25.3	1900	25.3	1900	27.8	2000
2716	183.1	2000	183.1	2000	183	2000
272	77.2	900	77.2	900	85	1000
273	40.3	500	40.3	500	60.5	1000
275	17.7	900	17.7	900	19.5	1000
276	50.4	1000	50.4	1000	50.4	1000
277	48.4	1000	48.4	1000	48.4	1000
284	27.5	750	27.5	750	34.4	1250
285	2.4	900	2.4	900	2.6	1250
2910	108.4	1408	108.4	1408	108	1408
2911	63.1	1500	63.1	1500	63.1	2000
2912	132	2000	132	2000	132	2000
294	20	900	20	900	22	1000

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263	41	1500	41	1500	49.2	2000
265	66.5	1800	66.5	1800	80	2000
267	166.7	200	166.7	200	167	2000
271	59.9	1000	59.9	1000	60	1000
2710	78.8	2000	78.8	2000	78.8	2000
2713	60	2000	60	2000	60	2000
2715	25.3	1900	25.3	1900	27.8	2000
2716	183.1	2000	183.1	2000	183	2000
272	77.2	900	77.2	900	85	1000
273	40.3	500	40.3	500	60.5	1000
275	17.7	900	17.7	900	19.5	1000
276	50.4	1000	50.4	1000	50.4	1000
277	48.4	1000	48.4	1000	48.4	1000
284	27.5	750	27.5	750	34.4	1250
285	2.4	900	2.4	900	2.6	1250
2910	108.4	1408	108.4	1408	108	1408
2911	63.1	1500	63.1	1500	63.1	2000
2912	132	2000	132	2000	132	2000
294	20	900	20	900	22	1000
295	6.7	800	6.7	800	8	1000
298	99	2000	99	2000	100	2000
299	36	1200	36	1200	43.2	2000
A106	163.6	5000	163.6	5000	164	5000
A108	55	5000	55	5000	55	5000
B105	573.5	4500	573.5	4500	631	5000
B109	284.3	4750	284.3	4750	300	5000
E105	369.9	400	369.9	400	445	5000

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Activity:68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
295	6.7	800	6.7	800	8	1000
298	99	2000	99	2000	100	2000
299	36	1200	36	1200	43.2	2000
A106	163.6	5000	163.6	5000	164	5000
A108	55	5000	55	5000	55	5000
B105	573.5	4500	573.5	4500	631	5000
B109	284.3	4750	284.3	4750	300	5000
E105	369.9	400	369.9	400	445	5000
G101	581.6	4500	581.6	4500	640	5000
G104	654.4	5000	654.4	5000	655	5000
G107	372.9	4250	372.9	4250	445	5000
Total This Site	9847.4	181796	9847.4	181796	108116	234696

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Site: Waikale-DON

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
A01	0	0	0	0	176	3520
A02	0	0	0	0	176	3520
A03	0	0	0	0	176	3520
A04	0	0	0	0	176	3520
A05	0	0	0	0	176	3520
A06	0	0	0	0	176	3520

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G101	581.6	4500	581.6	4500	640	5000
G104	654.4	5000	654.4	5000	655	5000
G107	372.9	4250	372.9	4250	445	5000
J101	300	3840	300	3840	390	9600
Total This Site	10147.4	185636	10147.4	185636	11201.6	244296

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Activity: 68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
A07	0	0	0	0	176	3520
A08	0	0	0	0	176	3520
A09	0	0	0	0	176	3520
A10	0	0	0	0	176	3520
A11	0	0	0	0	176	3520
A12	0	0	0	0	176	3520
A13	0	0	0	0	176	3520
A14	0	0	0	0	176	3520
A15	0	0	0	0	176	3520
A16	0	0	0	0	176	3520
A17	0	0	0	0	176	3520
A18	0	0	0	0	176	3520
A19	0	0	0	0	176	3520
A20	0	0	0	0	176	3520
A21	0	0	0	0	176	3520
A22	0	0	0	0	176	3520
A23	0	0	0	0	176	3520
A24	0	0	0	0	176	3520
A25	0	0	0	0	176	3520
A26	0	0	0	0	176	3520
A27	0	0	0	0	176	3520
A28	0	0	0	0	176	3520
A29	0	0	0	0	176	3520
A30	0	0	0	0	176	3520

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Site: Waikele-DON

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
A01	0	0	0	0	176	3520
A02	0	0	0	0	176	3520
A03	0	0	0	0	176	3520
A04	0	0	0	0	176	3520
A05	0	0	0	0	176	3520
A06	0	0	0	0	176	3520
A07	0	0	0	0	176	3520
A08	0	0	0	0	176	3520
A09	0	0	0	0	176	3520
A10	0	0	0	0	176	3520
A11	0	0	0	0	176	3520
A12	0	0	0	0	176	3520
A13	0	0	0	0	176	3520
A14	0	0	0	0	176	3520
A15	0	0	0	0	176	3520
A16	0	0	0	0	176	3520
A17	0	0	0	0	176	3520
A18	0	0	0	0	176	3520
A19	0	0	0	0	176	3520
A20	0	0	0	0	176	3520
A21	0	0	0	0	176	3520
A22	0	0	0	0	176	3520
A23	0	0	0	0	176	3520

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Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
A31	0	0	0	0	176	3520
A32	0	0	0	0	176	3520
A33	0	0	0	0	176	3520
B01	0	0	0	0	176	3520
B02	0	0	0	0	176	3520
B03	0	0	0	0	176	3520
B04	0	0	0	0	176	3520
B05	0	0	0	0	176	3520
B06	0	0	0	0	176	3520
B07	0	0	0	0	176	3520
B08	0	0	0	0	176	3520
B09	0	0	0	0	176	3520
B10	0	0	0	0	176	3520
B11	0	0	0	0	176	3520
B12	0	0	0	0	176	3520
B13	0	0	0	0	176	3520
114	0	0	0	0	32.5	650
115	0	0	0	0	32.5	650
116	0	0	0	0	32.5	650
117	0	0	0	0	32.5	650
118	0	0	0	0	32.5	650
119	0	0	0	0	32.5	650
120	0	0	0	0	32.5	650
121	0	0	0	0	32.5	650

R

A24	0	0	0	0	176	3520
A25	0	0	0	0	176	3520
A26	0	0	0	0	176	3520
A27	0	0	0	0	176	3520
A28	0	0	0	0	176	3520
A29	0	0	0	0	176	3520
A30	0	0	0	0	176	3520
A31	0	0	0	0	176	3520
A32	0	0	0	0	176	3520
A33	0	0	0	0	176	3520
B01	0	0	0	0	176	3520
B02	0	0	0	0	176	3520
B03	0	0	0	0	176	3520
B04	0	0	0	0	176	3520
B05	0	0	0	0	176	3520
B06	0	0	0	0	176	3520
B07	0	0	0	0	176	3520
B08	0	0	0	0	176	3520
B09	0	0	0	0	176	3520
B10	0	0	0	0	176	3520
B11	0	0	0	0	176	3520
B12	0	0	0	0	176	3520
B13	0	0	0	0	176	3520
114	0	0	0	0	32.5	650
115	0	0	0	0	32.5	650
116	0	0	0	0	32.5	650
117	0	0	0	0	32.5	650

R

Activity:68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
C01	0	0	0	0	176	3520
C02	0	0	0	0	176	3520
C03	0	0	0	0	176	3520
C04	0	0	0	0	176	3520
C05	0	0	0	0	176	3520
C06	0	0	0	0	176	3520
C07	0	0	0	0	176	3520
C08	0	0	0	0	176	3520
C09	0	0	0	0	176	3520
C10	0	0	0	0	176	3520
C11	0	0	0	0	176	3520
C12	0	0	0	0	176	3520
C13	0	0	0	0	176	3520
C14	0	0	0	0	176	3520
C15	0	0	0	0	176	3520
C16	0	0	0	0	176	3520
C17	0	0	0	0	176	3520
C18	0	0	0	0	176	3520
C19	0	0	0	0	176	3520
C20	0	0	0	0	176	3520
D01	0	0	0	0	176	3520
D02	0	0	0	0	176	3520
D03	0	0	0	0	176	3520
D04	0	0	0	0	176	3520

118	0	0	0	0	32.5	650
119	0	0	0	0	32.5	650
120	0	0	0	0	32.5	650
121	0	0	0	0	32.5	650
C01	0	0	0	0	176	3520
C02	0	0	0	0	176	3520
C03	0	0	0	0	176	3520
C04	0	0	0	0	176	3520
C05	0	0	0	0	176	3520
C06	0	0	0	0	176	3520
C07	0	0	0	0	176	3520
C08	0	0	0	0	176	3520
C09	0	0	0	0	176	3520
C10	0	0	0	0	176	3520
C11	0	0	0	0	176	3520
C12	0	0	0	0	176	3520
C13	0	0	0	0	176	3520
C14	0	0	0	0	176	3520
C15	0	0	0	0	176	3520
C16	0	0	0	0	176	3520
C17	0	0	0	0	176	3520
C18	0	0	0	0	176	3520
C19	0	0	0	0	176	3520
C20	0	0	0	0	176	3520
D01	0	0	0	0	176	3520
D02	0	0	0	0	176	3520
D03	0	0	0	0	176	3520

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Activity:68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
D05	0	0	0	0	176	3520
D06	0	0	0	0	176	3520
D07	0	0	0	0	176	3520
D08	0	0	0	0	176	3520
D09	0	0	0	0	176	3520
D10	0	0	0	0	176	3520
D11	0	0	0	0	176	3520
D12	0	0	0	0	176	3520
D13	0	0	0	0	176	3520
D14	0	0	0	0	176	3520
E01	0	0	0	0	176	3520
E02	0	0	0	0	176	3520
E03	0	0	0	0	176	3520
E04	0	0	0	0	176	3520
E05	0	0	0	0	176	3520
E06	0	0	0	0	176	3520
E07	0	0	0	0	176	3520
E08	0	0	0	0	176	3520
E09	0	0	0	0	176	3520
E10	0	0	0	0	176	3520
E11	0	0	0	0	176	3520
E12	0	0	0	0	176	3520
E13	0	0	0	0	176	3520
E14	0	0	0	0	176	3520

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Site: West Loch-DON

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
201	0.2	126	0.2	126	0.3	140
202	5.4	49	5.4	49	15.3	140
203	0	0	0	0	7.4	140
204	92	3735	92	3735	102.2	4150
205	98	4150	98	4150	98	4150
206	85.8	3942	85.8	3942	90.3	4150
207	22	415	22	415	220	4150
208	17.9	1660	17.9	1660	44.7	4150
209	36.8	3942	36.8	3942	38.7	4150
210	58	3350	58	3350	72.5	4150
211	64.9	4150	64.9	4150	64.9	4150
212	100	4150	100	4150	100	4150
213	98.2	4150	98.2	4150	98.2	4150
214	98.2	4150	98.2	4150	98.2	4150
215	75	3112	75	3112	100	4150
216	12	415	12	415	120	4150
217	35	4150	35	4150	35	4150
218	153.3	3112	153.3	3112	204.4	4150
219	5.9	126	5.9	126	6.6	140
220	27	937	27	937	36	1250
221	6	1250	6	1250	6	1250
222	142	937	142	937	189.3	1250
223	15	1125	15	1125	16.7	1250
224	1.2	375	1.2	375	4	1250
225	14.3	1250	14.3	1250	14.3	1250
226	5.6	1250	5.6	1250	5.6	1250
227	4.4	1250	4.4	1250	4.4	1250

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Activity: 68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
E15	0	0	0	0	176	3520
E16	0	0	0	0	176	3520
E17	0	0	0	0	176	3520
E18	0	0	0	0	176	3520
E19	0	0	0	0	176	3520
E20	0	0	0	0	176	3520
E21	0	0	0	0	176	3520
E22	0	0	0	0	176	3520
E23	0	0	0	0	176	3520
E24	0	0	0	0	176	3520
E25	0	0	0	0	176	3520
E26	0	0	0	0	176	3520
E27	0	0	0	0	176	3520
E28	0	0	0	0	176	3520
E29	0	0	0	0	176	3520
E30	0	0	0	0	176	3520
E31	0	0	0	0	176	3520
E32	0	0	0	0	176	3520
E33	0	0	0	0	176	3520
E34	0	0	0	0	176	3520
E35	0	0	0	0	176	3520
E36	0	0	0	0	176	3520
E37	0	0	0	0	176	3520
E38	0	0	0	0	176	3520

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2154	Arch	1.1	500	Yes	No	N/A
2155	Arch	1.1	500	Yes	No	N/A
2156	Arch	1.1	500	Yes	No	N/A
2157	Arch	1.1	500	Yes	No	N/A
2158	Arch	1.1	500	Yes	No	N/A
2159	Arch	1.1	500	Yes	No	N/A
216	Box	1.2	500	Yes	No	N/A
216	Arch	1.2	500	Yes	No	N/A
217	Box	1.2	500	Yes	No	N/A
217	Arch	1.2	500	Yes	No	N/A
218	Arch	1.3	50	Yes	No	N/A
219	Box	1.1	200	Yes	No	N/A
220	Box	1.1	170	Yes	No	N/A
221	Arch	1.2	500	Yes	No	N/A
221	Box	1.1	100	Yes	No	N/A
222	Arch	1.2	500	Yes	No	N/A
222	Box	1.1	40	Yes	No	N/A
223	Arch	1.2	500	Yes	No	N/A
223	Box	1.2	500	Yes	No	N/A
224	Arch	1.2	500	Yes	No	N/A
224	Box	1.2	500	Yes	No	N/A
225	Arch	1.2	500	Yes	No	N/A
225	Box	1.2	500	Yes	No	N/A
226	Arch	1.2	500	Yes	No	N/A
226	Box	1.2	500	Yes	No	N/A
227	Arch	1.4	250	Yes	No	N/A
227	Arch	1.2	500	Yes	No	N/A
227	Box	1.1	35	Yes	No	N/A
228	Box	1.2	500	Yes	No	N/A

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229	Box	1.2	500	Yes	No	N/A
230	Box	1.2	500	Yes	No	N/A
231	Arch	1.1	90	Yes	No	N/A
231	Box	1.1	50	Yes	No	N/A
232	Arch	1.1	75	Yes	No	N/A
232	Arch	1.1	110	Yes	No	N/A
233	Arch	1.1	75	Yes	No	N/A
233	Arch	1.1	175	Yes	No	N/A
234	Arch	1.1	125	Yes	No	N/A
234	Arch	1.1	225	Yes	No	N/A
235	Arch	1.1	125	Yes	No	N/A
235	Arch	1.1	130	Yes	No	N/A
236	Arch	1.1	125	Yes	No	N/A
236	Arch	1.1	45	Yes	No	N/A
237	Arch	1.1	90	Yes	No	N/A
237	Arch	1.1	120	Yes	No	N/A
238	Arch	1.1	100	Yes	No	N/A
239	Arch	1.1	120	Yes	No	N/A
240A	Arch	N/A	0	No	No	N/A
240B	Arch	N/A	0	No	No	N/A
240C	Arch	N/A	0	No	No	N/A
241	Arch	1.1	500	Yes	No	N/A
241A	Arch	N/A	0	No	No	N/A
241B	Arch	N/A	0	No	No	N/A
241C	Arch	N/A	0	No	No	N/A
242	Arch	1.1	500	Yes	No	N/A
242	Arch	1.1	500	Yes	No	N/A
243	Arch	1.1	500	Yes	No	N/A
243	Arch	1.2	500	Yes	No	N/A

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244	Arch	1.1	400	Yes	No	N/A
244	Arch	1.2	500	Yes	No	N/A
245	Arch	1.1	500	Yes	No	N/A
245	Arch	1.2	500	Yes	No	N/A
246	Arch	1.1	500	Yes	No	N/A
246	Arch	1.2	500	Yes	No	N/A
247	Arch	1.1	20	Yes	No	N/A
251	Arch	1.1	500	Yes	No	N/A
252	Arch	1.1	500	Yes	No	N/A
253	Arch	1.1	500	Yes	No	N/A
254	Arch	1.1	500	Yes	No	N/A
255	Arch	1.1	500	Yes	No	N/A
256	Arch	1.1	500	Yes	No	N/A
257	Arch	1.1	500	Yes	No	N/A
261	Arch	1.1	500	Yes	No	N/A
262	Arch	1.1	500	Yes	No	N/A
263	Arch	1.1	500	Yes	No	N/A
264	Arch	1.1	500	Yes	No	N/A
265	Arch	1.1	500	Yes	No	N/A
266	Arch	1.1	500	Yes	No	N/A
267	Arch	1.1	500	Yes	No	N/A
271	Arch	1.2	500	Yes	No	N/A
2710	Arch	1.2	500	Yes	No	N/A
2711	Arch	1.2	500	Yes	No	N/A
2712	Arch	1.2	500	Yes	No	N/A
2713	Arch	1.2	500	Yes	No	N/A
2714	Arch	1.2	500	Yes	No	N/A
2715	Arch	1.2	500	Yes	No	N/A
2716	Arch	1.2	500	Yes	No	N/A

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272	Arch	1.2	500	Yes	No	N/A
273	Arch	1.2	500	Yes	No	N/A
274	Arch	1.2	500	Yes	No	N/A
275	Arch	1.2	500	Yes	No	N/A
276	Arch	1.2	500	Yes	No	N/A
277	Arch	1.2	500	Yes	No	N/A
281	Arch	1.1	500	Yes	No	N/A
282	Arch	1.1	500	Yes	No	N/A
283	Arch	1.1	250	Yes	No	N/A
284	Arch	1.1	250	Yes	No	N/A
285	Arch	1.1	250	Yes	No	N/A
286	Arch	1.1	250	Yes	No	N/A
287	Arch	1.1	250	Yes	No	N/A
291	Arch	1.1	250	Yes	No	N/A
2910	Arch	1.1	500	Yes	No	N/A
2911	Arch	1.1	500	Yes	No	N/A
2912	Arch	1.1	500	Yes	No	N/A
292	Arch	1.1	250	Yes	No	N/A
293	Arch	1.1	250	Yes	No	N/A
294	Arch	1.1	250	Yes	No	N/A
295	Arch	1.1	250	Yes	No	N/A
296	Arch	1.1	250	Yes	No	N/A
297	Arch	1.1	250	Yes	No	N/A
298	Arch	1.1	500	Yes	No	N/A
299	Arch	1.1	500	Yes	No	N/A
34	Arch	1.2	500	Yes	No	N/A
454	Box	N/A	0	No	No	N/A
455	Box	N/A	0	No	No	N/A
456	Box	N/A	0	No	No	N/A

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457	Box	N/A	0	No	No	N/A
458	Box	N/A	0	No	No	N/A
459	Box	N/A	0	No	No	N/A
487	Arch	1.1	2	Yes	No	N/A
488	Arch	1.1	2	Yes	No	N/A
490	Arch	1.1	2	Yes	No	N/A
491	Arch	1.1	2	Yes	No	N/A
492	Arch	1.1	2	Yes	No	N/A
493	Arch	1.1	2	Yes	No	N/A
494	Arch	1.1	2	Yes	No	N/A
495	Arch	1.1	2	Yes	No	N/A
496	Arch	1.1	2	Yes	No	N/A
497	Arch	1.1	2	Yes	No	N/A
498	Arch	1.1	2	Yes	No	N/A
499	Arch	1.1	2	Yes	No	N/A
500	Arch	1.1	2	Yes	No	N/A
501	Arch	1.1	2	Yes	No	N/A
502	Arch	1.1	2	Yes	No	N/A
503	Arch	1.1	2	Yes	No	N/A
504	Arch	1.1	2	Yes	No	N/A
505	Arch	1.1	2	Yes	No	N/A
506	Arch	1.1	2	Yes	No	N/A
507	Arch	1.1	2	Yes	No	N/A
508	Arch	1.1	2	Yes	No	N/A
509	Arch	1.1	2	Yes	No	N/A
510	Arch	1.1	2	Yes	No	N/A
511	Arch	1.1	2	Yes	No	N/A
512	Arch	1.1	2	Yes	No	N/A
513	Arch	1.1	2	Yes	No	N/A

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514	Arch	1.1	2	Yes	No	N/A
515	Arch	1.1	2	Yes	No	N/A
516	Arch	1.1	2	Yes	No	N/A
517	Arch	1.1	2	Yes	No	N/A
518	Arch	1.1	2	Yes	No	N/A
519	Arch	1.1	2	Yes	No	N/A
520	Arch	1.1	2	Yes	No	N/A
521	Arch	1.1	2	Yes	No	N/A
522	Arch	1.1	2	Yes	No	N/A
523	Arch	1.1	2	Yes	No	N/A
524	Arch	1.1	2	Yes	No	N/A
525	Arch	1.1	2	Yes	No	N/A
526	Arch	1.1	2	Yes	No	N/A
527	Arch	1.1	2	Yes	No	N/A
528	Arch	1.1	2	Yes	No	N/A
529	Arch	1.1	2	Yes	No	N/A
530	Arch	1.1	2	Yes	No	N/A
531	Arch	1.1	2	Yes	No	N/A
532	Arch	1.1	2	Yes	No	N/A
533	Arch	1.1	2	Yes	No	N/A
534	Arch	1.1	2	Yes	No	N/A
535	Arch	1.1	2	Yes	No	N/A
536	Arch	1.1	2	Yes	No	N/A
537	Arch	1.1	2	Yes	No	N/A
54	Box	N/A	0	No	No	N/A
54	Arch	1.4	500	Yes	No	N/A
55	Box	N/A	0	No	No	N/A
55	Arch	N/A	0	No	No	N/A
56	Box	N/A	0	No	No	N/A

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574	Arch	1.1	125	Yes	No	N/A
583	Box	1.1	200	Yes	No	N/A
584	Box	1.1	200	Yes	No	N/A
585	Box	1.1	200	Yes	No	N/A
6A	Box	N/A	0	No	No	N/A
6B	Box	N/A	0	No	No	N/A
6C	Box	N/A	0	No	No	N/A
7A	Box	N/A	0	No	No	N/A
7B	Box	N/A	0	No	No	N/A
7C	Box	N/A	0	No	No	N/A
A01	Gal	1.1	18	Yes	No	N/A
A02	Gal	1.1	17	Yes	No	N/A
A03	Gal	1.1	19	Yes	No	N/A
A04	Gal	1.1	22	Yes	No	N/A
A05	Gal	1.1	25	Yes	No	N/A
A06	Gal	1.1	24	Yes	No	N/A
A07	Gal	1.1	25	Yes	No	N/A
A08	Gal	1.1	18	Yes	No	N/A
A09	Gal	1.1	19	Yes	No	N/A
A10	Gal	1.1	18	Yes	No	N/A
A103	Box	1.2	500	Yes	No	N/A
A104	Box	1.1	35	Yes	No	N/A
A105	Box	1.1	75	Yes	No	N/A
A106	Box	1.1	100	Yes	No	N/A
A107	Box	1.1	100	Yes	No	N/A
A108	Box	1.1	100	Yes	No	N/A
A109	Box	1.1	100	Yes	No	N/A
A11	Gal	1.1	21	Yes	No	N/A
A110	Box	1.1	100	Yes	No	N/A

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A111	Box	1.1	120	Yes	No	N/A
A12	Gal	1.1	24	Yes	No	N/A
A13	Gal	1.1	22	Yes	No	N/A
A14	Gal	1.1	14	Yes	No	N/A
A15	Gal	1.1	18	Yes	No	N/A
A16	Gal	1.1	16	Yes	No	N/A
A17	Gal	1.1	11	Yes	No	N/A
A18	Gal	1.2	500	Yes	No	N/A
A19	Gal	1.2	500	Yes	No	N/A
A20	Gal	1.2	500	Yes	No	N/A
A21	Gal	1.2	500	Yes	No	N/A
A22	Gal	1.1	13	Yes	No	N/A
A23	Gal	1.1	18	Yes	No	N/A
A24	Gal	1.1	17	Yes	No	N/A
A25	Gal	1.1	14	Yes	No	N/A
A26	Gal	1.1	19	Yes	No	N/A
A27	Gal	1.1	18	Yes	No	N/A
A28	Gal	1.1	19	Yes	No	N/A
A29	Gal	1.1	22	Yes	No	N/A
A30	Gal	1.1	17	Yes	No	N/A
A31	Gal	1.2	500	Yes	No	N/A
A32	Gal	1.1	18	Yes	No	N/A
A33	Gal	1.1	12	Yes	No	N/A
B01	Gal	1.2	500	Yes	No	N/A
B02	Gal	1.2	500	Yes	No	N/A
B03	Gal	1.2	500	Yes	No	N/A
B04	Gal	1.2	500	Yes	No	N/A
B05	Gal	1.2	500	Yes	No	N/A
B06	Gal	1.2	500	Yes	No	N/A

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B07	Gal	1.2	500	Yes	No	N/A
B08	Gal	1.1	17	Yes	No	N/A
B09	Gal	1.1	21	Yes	No	N/A
B10	Gal	1.1	12	Yes	No	N/A
B103	Box	1.2	500	Yes	No	N/A
B104	Box	1.2	500	Yes	No	N/A
B105	Box	1.2	500	Yes	No	N/A
B106	Box	1.2	500	Yes	No	N/A
B107	Box	1.2	500	Yes	No	N/A
B108	Box	1.2	500	Yes	No	N/A
B109	Box	1.2	500	Yes	No	N/A
B11	Gal	1.2	500	Yes	No	N/A
B110	Box	1.2	500	Yes	No	N/A
B111	Box	1.2	500	Yes	No	N/A
B12	Gal	1.1	2	Yes	No	N/A
B13	Gal	1.1	0	Yes	No	N/A
C01	Gal	1.2	500	Yes	No	N/A
C02	Gal	1.2	500	Yes	No	N/A
C03	Gal	1.1	14	Yes	No	N/A
C04	Gal	1.1	16	Yes	No	N/A
C05	Gal	1.1	14	Yes	No	N/A
C06	Gal	1.1	11	Yes	No	N/A
C07	Gal	1.1	13	Yes	No	N/A
C08	Gal	1.1	11	Yes	No	N/A
C09	Gal	1.1	13	Yes	No	N/A
C10	Gal	1.1	18	Yes	No	N/A
C11	Gal	1.2	500	Yes	No	N/A
C12	Gal	1.1	14	Yes	No	N/A
C13	Gal	1.1	14	Yes	No	N/A

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R

C14	Gal	1.2	500	Yes	No	N/A
C15	Gal	1.2	500	Yes	No	N/A
C16	Gal	1.2	500	Yes	No	N/A
C17	Gal	1.2	500	Yes	No	N/A
C18	Gal	1.1	4	Yes	No	N/A
C19	Gal	1.4	500	Yes	No	N/A
C20	Gal	1.1	0	Yes	No	N/A
D01	Gal	1.1	30	Yes	No	N/A
D02	Gal	1.1	35	Yes	No	N/A
D03	Gal	1.1	39	Yes	No	N/A
D04	Gal	1.1	41	Yes	No	N/A
D05	Gal	1.1	29	Yes	No	N/A
D06	Gal	1.1	21	Yes	No	N/A
D07	Gal	1.1	19	Yes	No	N/A
D08	Gal	1.1	16	Yes	No	N/A
D09	Gal	1.1	20	Yes	No	N/A
D10	Gal	1.1	25	Yes	No	N/A
D11	Gal	1.1	27	Yes	No	N/A
D12	Gal	1.1	24	Yes	No	N/A
D121	Box	N/A	0	No	No	N/A
D13	Gal	1.1	24	Yes	No	N/A
D14	Gal	1.1	17	Yes	No	N/A
E01	Gal	1.1	17	Yes	No	N/A
E02	Gal	1.1	21	Yes	No	N/A
E03	Gal	1.1	18	Yes	No	N/A
E04	Gal	1.1	18	Yes	No	N/A
E05	Gal	1.1	25	Yes	No	N/A
E06	Gal	1.1	20	Yes	No	N/A
E07	Gal	1.1	26	Yes	No	N/A

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R

E08	Gal	1.1	21	Yes	No	N/A
E09	Gal	1.1	18	Yes	No	N/A
E10	Gal	1.1	18	Yes	No	N/A
E101	Box	1.1	75	Yes	No	N/A
E102	Box	1.1	75	Yes	No	N/A
E103	Box	1.1	50	Yes	No	N/A
E104	Box	1.1	50	Yes	No	N/A
E105	Box	1.1	55	Yes	No	N/A
E106	Box	1.1	100	Yes	No	N/A
E107	Box	1.1	110	Yes	No	N/A
E11	Gal	1.1	24	Yes	No	N/A
E12	Gal	1.1	22	Yes	No	N/A
E13	Gal	1.1	20	Yes	No	N/A
E14	Gal	1.1	13	Yes	No	N/A
E15	Gal	1.1	19	Yes	No	N/A
E16	Gal	1.1	12	Yes	No	N/A
E17	Gal	1.1	21	Yes	No	N/A
E18	Gal	1.1	18	Yes	No	N/A
E19	Gal	1.1	16	Yes	No	N/A
E20	Gal	1.1	8	Yes	No	N/A
E21	Gal	1.1	6	Yes	No	N/A
E22	Gal	1.1	6	Yes	No	N/A
E23	Gal	1.1	6	Yes	No	N/A
E24	Gal	1.2	500	Yes	No	N/A
E25	Gal	1.2	500	Yes	No	N/A
E26	Gal	1.2	500	Yes	No	N/A
E27	Gal	1.2	500	Yes	No	N/A
E28	Gal	1.2	500	Yes	No	N/A
E29	Gal	1.1	18	Yes	No	N/A

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R

E30	Gal	1.1	16	Yes	No	N/A
E31	Gal	1.1	18	Yes	No	N/A
E32	Gal	1.1	18	Yes	No	N/A
E33	Gal	1.1	20	Yes	No	N/A
E34	Gal	1.1	16	Yes	No	N/A
E35	Gal	1.1	22	Yes	No	N/A
E36	Gal	1.1	20	Yes	No	N/A
E37	Gal	N/A	0	No	No	N/A
E38	Gal	1.1	16	Yes	No	N/A
E39	Gal	1.1	13	Yes	No	N/A
E40	Gal	1.1	11	Yes	No	N/A
F101	Box	N/A	0	No	No	N/A
F102	Box	N/A	0	No	No	N/A
G101	Box	1.2	500	Yes	No	N/A
G102	Box	1.2	500	Yes	No	N/A
G103	Box	1.2	500	Yes	No	N/A
G104	Box	1.2	500	Yes	No	N/A
G105	Box	1.2	500	Yes	No	N/A
G106	Box	1.2	500	Yes	No	N/A
G107	Box	1.2	500	Yes	No	N/A
J101	Box	N/A	0	No	No	N/A
J102	Box	1.3	30	Yes	No	N/A
J104	Box	1.3	30	Yes	No	N/A
J104	Box	1.3	30	Yes	No	N/A
J105	Box	N/A	0	No	No	N/A
J106	Box	N/A	0	No	No	N/A
J107	Box	N/A	0	No	No	N/A
J108	Box	N/A	0	No	No	N/A
J109	Box	N/A	0	No	No	N/A

30.1-R (7 OCT 94)

A

K19	Box	N/A	0	No	No	N/A
K20	Box	N/A	0	No	No	N/A
K21	Box	N/A	0	No	No	N/A
K22	Box	N/A	0	No	No	N/A
K23	Box	N/A	0	No	No	N/A
K24	Box	N/A	0	No	No	N/A
K30	Box	N/A	0	No	No	N/A
K31	Box	N/A	0	No	No	N/A
K32	Box	N/A	0	No	No	N/A
K33	Box	N/A	0	No	No	N/A
S10	Box	N/A	0	No	No	N/A
S11	Box	N/A	0	No	No	N/A
S12	Box	N/A	0	No	No	N/A
S7	Box	N/A	0	No	No	N/A
S8	Box	N/A	0	No	No	N/A
S9	Box	N/A	0	No	No	N/A

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2. Stowage, continued

2.4 Provide details of your calculations and the assumptions made to determine the differences reported in Table 2.2. between present and maximum capability, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased stowage workload at this activity. Indicate by Fiscal Year (FY) when programmed MILCON will increase your stowage capability and by how much. Specify any factors that significantly inhibit this facility realizing its maximum storage capability (e.g. condition of storage facilities, personnel to maintain necessary operations, operating equipment, ESQD limits, environmental constraints, physical security, etc.).

MCON Project P-155, programmed for FY97, will increase stowage capacity at the West Loch Branch by 16,640 SF to support the MK48 ADCAP torpedo program.

Maximum stowage capacity at the Waikele Branch is limited by the net explosive weight (NEW) that can be stored while maintaining the associated Explosive Safety Quantity Distance (ESQD) arcs within the property boundary.

2.5 For each inhibiting item identified in question 2.4, assess a cost or impact of eliminating the inhibitor, the Fiscal Year (FY) in which such elimination would be completed, and the quantity increase in storage capability realized (express in terms of tons and square feet).

Eliminating the ESQD arc limitations at the Waikele Branch would require purchasing adjacent land to allow expansion of the arcs and increasing the NEW limits. The cost of purchasing this land is estimated at \$103 million.

2.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance stowage at this activity (AICUZ encroachment, pollutant discharge, etc.)?

Only minor limiting factors exist which would limit further development, and these factors affect a small portion of the base. A relatively small amount of land cannot be developed because it is either a wetland, an archaeological site, a wildlife refuge, or an environmentally contaminated site.

Mission Area**3. Throughput**

3.1 Based on current programmed workload and mix, identify the current outload requirements for each commodity type of each munition stored at this facility, in each of the following operational scenarios. Provide Unit Throughput as available.

Table 3.1.a: **Over-The-Pier Throughput Requirements**

Munitions Type	Throughput Requirement (tons/day)		
	Peacetime Operations	Mobilization	Sustainment
LOE	45	64.7 (1)	117.5
Threat	23	56.6 (1)	28.1
Nuclear Threat	(2)	(2)	(2)

Table 3.1.b: **Over-The-Pier Throughput Requirements**

Munitions Type	Throughput Requirement (units/day)		
	Peacetime Operations	Mobilization	Sustainment
LOE	(3)	(3)	(3)
Threat	12 (1)	29.5 (2)	30
Nuclear Threat	(2)	(2)	(2)

Notes:

- (1) Averaged over 30 days.
- (2) See Annex 1.
- (3) Data not available.

3. Throughput, continued

3.2 Identify the throughput in Tons for your facility as rated, as required under the operational conditions specified, and as executed or programmed for requested Fiscal Years. In determining your maximum rated capability, assume: (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance requirement, choose the best configuration based on type of facilities available and predicted requirements. In the space provided below Table 3.2.a, detail the basis for your calculations of your maximum rated capability. If the Fiscal Years sampled in Table 3.2.b do not reflect your highest and lowest levels of activity for the period FY 1986-2001, add those years in the space provided.

Table 3.2.a: Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
Maximum Rated Capability	LOE	94.384	(1)	N/A	(2)
	Threat	50.392	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
Requirement (Peacetime Operations)	LOE	44.8	(1)	N/A	(2)
	Threat	23.2	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
Requirement (Mobilization)* (4)	LOE	65.232	(1)	N/A	(2)
	Threat	57.024	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
Requirement (Sustainment)* (5)	LOE	118.44	(1)	N/A	(2)
	Threat	28.32	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)

3. Throughput, continued

3.2 Identify the throughput in Tons for your facility as rated, as required under the operational conditions specified, and as executed or programmed for requested Fiscal Years. In determining your maximum rated capability, assume: (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance requirement, choose the best configuration based on type of facilities available and predicted requirements. In the space provided below Table 3.2.a, detail the basis for your calculations of your maximum rated capability. If the Fiscal Years sampled in Table 3.2.b do not reflect your highest and lowest levels of activity for the period FY 1986-2001, add those years in the space provided.

Table 3.2.a: Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
Maximum Rated Capability	LOE	23,596	(1)	N/A	(2)
	Threat	12,598	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
Requirement (Peacetime Operations)	LOE	11,200	(1)	N/A	(2)
	Threat	5,800	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
Requirement (Mobilization)* (4)	LOE	16,308	(1)	N/A	(2)
	Threat	14,256	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
Requirement (Sustainment)* (5)	LOE	29,610	(1)	N/A	(2)
	Threat	7,080	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)

* It is recognized the Mobilization and Sustainment requirements reflect a higher state of operations and readiness, and that the associated work period may well exceed the "1-8-5".

Assumptions for maximum rated capability:

- (1) The ordnance handling contract doubles ordnance workers currently available (Additional 8 Million).
- (2) 1-8-5 work schedule followed.
- (3) Larger percentage of VLS ships for load increases efficiency, decreases load time (20% increase).
- (4) Larger percentage of 688 class SSN with faster load times (20% increase in efficiency).
- (5) Double current material handling equipment available.
- (6) Threat weapons carried as cargo are considered as LOE cargo.
- (7) containerized ordnance shipping allow faster handling.
- (8) Historical trends are followed with heavier weapons being distributed.

3. Throughput, continued

Table 3.2.b: Historic and Predicted Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
FY 1986 (Executed) (6)	LOE	(6)	(1)	N/A	(2)
	Threat	(6)	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY 1991 (Executed)	LOE	39.16	(1)	N/A	(2)
	Threat	41.96	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY 1994 (Executed)	LOE	44.8	(1)	N/A	(2)
	Threat	23.2	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)

3. Throughput, continued

Table 3.2.b: Historic and Predicted Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
FY 1986 (Executed) (6)	LOE	(6)	(1)	N/A	(2)
	Threat	(6)	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY 1991 (Executed)	LOE	9,790	(1)	N/A	(2)
	Threat	10,490	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY 1994 (Executed)	LOE	11,200	(1)	N/A	(2)
	Threat	5,800	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)

3. Throughput, continued

Table 3.2.c: Historic and Predicted Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
FY 1997 (Programmed)	LOE	44.8	(1)	N/A	(2)
	Threat	23.2	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY 2001 (Programmed)	LOE	44.8	(1)	N/A	(2)
	Threat	23.2	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY: <u>1994</u> Minimum Outload Workload	LOE	44.8	(1)	N/A	(2)
	Threat	23.2	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY: <u>1991</u> Maximum Outload Workload	LOE	39.16	(1)	N/A	(2)
	Threat	41.96	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)

Numbered Notes for tables 3.2A-C(throughput in tons):

- (1) VERTREP seldom used. Tonnage is less than 0.1% of total tonnage moved.
- (2) Truck is used only to transport airlift items from Oahu military airfields. This tonnage is for high priority items only and is insignificant.
- (3) See Annex 1
- (4) Mobilization is based on 30-45 days with a work period not constrained by 1-8-5 funding. Figures averaged for 12 months for comparison and consistency.
- (5) Sustainment is based on a one year average with a work period not constrained by 1-8-5 funding.
- (6) FY 1986 data is not available.

3. Throughput, continued

Table 3.2.c: Historic and Predicted Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
FY 1997 (Programmed)	LOE	11,200	(1)	N/A	(2)
	Threat	5,800	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY 2001 (Programmed)	LOE	11,200	(1)	N/A	(2)
	Threat	5,800	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY: 1994 Minimum Outload Workload	LOE	11,200	(1)	N/A	(2)
	Threat	5,800	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
FY: 1991 Maximum Outload Workload	LOE	9,290	(1)	N/A	(2)
	Threat	10,490	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)

Numbered Notes for tables 3.2A-C(throughput in tons):

- (1) VERTREP seldom used. Tonnage is less than 0.1% of total tonnage moved.
- (2) Truck is used only to transport airlift items from Cahu military airfields. This tonnage is for high priority items only and is insignificant.
- (3) See Annex 1
- (4) Mobilization is based on 30-45 days with a work period not constrained by 1-8-5 funding. Figures averaged for 12 months for comparison and consistency.
- (5) Sustainment is based on a one year average with a work period not constrained by 1-8-5 funding.
- (6) FY 1986 data is not available.

3. Throughput, continued

3.3 Identify the annual throughput, by type of receiving vessel, in short tons, for the period requested. Specify all non-DON recipients of ordnance from your activity (e.g. Army, FMS).

Table 3.3.a: **Historic/Programmed Ordnance Throughput Capability**

Type of Ship		Annual Short Tons Throughput							
		FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Combatants	CV /CVN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	Other	(2)	(2)	(2)	(2)	(2)	9,926	6,226	2,562
Navy Bulk (AE, AOE, AOR, etc.)		(2)	(2)	(2)	(2)	(2)	2,331	4,971	3,523
Navy Amphibious Ships		(2)	(2)	(2)	(2)	(2)	10	10	10
Other Break Bulk		(2)	(2)	(2)	(2)	(2)	6,433	1,788	7,595
Army		(2)	(2)	(2)	(2)	(2)	913	2363	895
FMS		(2)	(2)	(2)	(2)	(2)	0	187	94
Container Ship		(2)	(2)	(2)	(2)	(2)	177	702	2,819

3. Throughput, continued

Table 3.3.b: Historic/Programmed Ordnance Throughput Capability

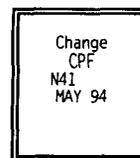
Type of Ship		Annual Short Tons Throughput							
		FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Combatants	CV / CVN	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	Other	3,000	3,300	3,300	3,300	3,300	3,300	3,300	3,300
Navy Bulk (AE, AOE, AOR, etc.)		3,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Navy Amphibious Ships		(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Other Break Bulk		5,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Army		900	900	900	900	900	900	900	900
FMS		150	150	150	150	150	150	150	150
Container Ship		3,800	4,000	4,000	4,000	4,000	4,000	4,000	4,000

Numbered Notes for historic/programmed ordnance throughput capability:

(1) CV/CVN and AOE-1 are too large to physically enter West Loch Branch. Ships too large to enter are serviced by work boat and barge. These are included in combatant other.

(2) Data not available.

(3) Amphibious ships are not regularly serviced by Naval Magazine Lualualei. No significant tonnage is handled for amphibious ships.



3. Throughput, continued

3.4 Assuming (a) the current projected total workload and mix remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the ordnance outload conducted, based on the current and future planned workload mixes? Please provide your response in annual throughput, by type of receiving vessel, in short tons, that could be accomplished at this facility for the period requested.

Table 3.4: Maximum Potential Ordnance Throughput Capability

Type of Ship		Short Tons Throughput						
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Combatants	CV/CVN	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	Other	45.3	45.3	45.3	45.3	45.3	45.3	45.3
Navy Bulk (AE, AOE, AOR, etc.)		28.844	28.844	28.844	28.844	28.844	28.844	28.844
Navy Amphibious Ships		.084	.084	.084	.084	.084	.084	.084
Other Break Bulk		43.428	43.428	43.428	43.428	43.428	43.428	43.428
Army		10.58	10.58	10.58	10.58	10.58	10.58	10.58
FMS		.9	.9	.9	.9	.9	.9	.9
Container Ship (2)		15.644	15.644	15.644	15.644	15.644	15.644	15.644

Numbered notes for maximum potential ordnance throughput capability:

- (1) CV/CVN are too large to enter West Loch. Ordnance is transferred by work boat or barge and are included in combatant other.
- (2) Container ships include Military Sealift Command (MSC) charters, Army amphibious ships, and Roll-On/Roll-Off (RO/RO) barge operations.

3. Throughput, continued

3.4 Assuming (a) the current projected total workload and mix remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the ordnance outload conducted, based on the current and future planned workload mixes? Please provide your response in annual throughput, by type of receiving vessel, in short tons, that could be accomplished at this facility for the period requested.

Table 3.4: Maximum Potential Ordnance Throughput Capability

Type of Ship		Short Tons Throughput						
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Combatants	CV / CVN	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	Other	11,325	11,325	11,325	11,325	11,325	11,325	11,325
Navy Bulk (AE, AOE, AOR, etc.)		7,211	7,211	7,211	7,211	7,211	7,211	7,211
Navy Amphibious Ships		21	21	21	21	21	21	21
Other Break Bulk		10,857	10,857	10,857	10,857	10,857	10,857	10,857
Army		2,645	2,645	2,645	2,645	2,645	2,645	2,645
FMS		225	225	225	225	225	225	225
Container Ship (2)		3,911	3,911	3,911	3,911	3,911	3,911	3,911

Numbered notes for maximum potential ordnance throughput capability:

(1) CV/CVN and AOE-1 are too large to enter West Loch. Ordnance is transferred by work boat or barge and are included in combatant other.

(2) Container ships include Military Sealift Command (MSC) charters, Army amphibious ships, and Roll-On/Roll-Off (RO/RO) barge operations.

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3. Throughput, continued

3.5 Provide details of the calculations used to complete Tables 3.4, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased outload workload at this activity.

Table 3.4 calculations are based on peacetime operations (Table 3.2.a) throughput tons multiplied by two (for doubling of operations) and further increased by 17% for Other Breakbulk operations and 20% for all other categories. Assumptions made are the same as those made for Maximum Rated Capability listed under Table 3.2.a.

3.6 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform ordnance outloads? What other investments in the industrial infrastructure would you make to increase activity outload capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

Industrial Plant Equipment required to achieve Maximum Rated Capability:

Item	Quantity
Brow Stand	1
8K Electric Forklift	4
20K Diesel Forklift	2
10K Diesel Forklift	2
11K Electric Forklift	2
6K Variable Reach Electric Forklift	3
Semi Tractors	4
Semi Trailer	4
10K Stake Trucks	4

Cost of added IPE is \$2,137,000

Pay Back Period is 2.2 Years

Quantitative increase would be an ability to more than double the quantity of ordnance tonnage handled through West Loch. This increase is based on doubling existing ordnance handling workforce (approx \$8 million) and equipment available.

3.7 Are there any ultimate and overriding limiting factors to expansion of this activity's outloading workload? If so, what are they?

Wharf space is currently 2,500 linear feet. Ships entering West Loch are limited to 650 ft length and 35 ft depths. Modifying West Loch channel to accommodate ships larger than this would be expensive.

3.8 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance outloading at this activity (AICUZ encroachment, pollutant discharge, etc.)?

New wharf construction would be limited at one site along the shoreline at the West Loch Branch because it is on the Register of Historic Places. Other locations along the shoreline could be used for wharf construction but any wetlands lost as a result would have to be replaced elsewhere.

Mission Area**4. Maintenance and Testing**

4.1 By units of ordnance type and by DLMHs, identify what maintenance and testing has been or is programmed to be performed at this location for the period requested. Report depot-level maintenance as a separate line from intermediate-level maintenance.

Table 4.1.a: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines (Note #1)					107	107	107	23
Torpedoes (Lightweight MK 46) (Note #5)						509	509	546
Torpedoes (Heavyweight MK 48) (Note #6)	400	400	400	400	496	450	349	255
Air Launched Threat								
Surface Launched Threat (VLS Tomahawk and Harpoon) (Note #2)						45	93	106
Other Threat (Subsurface Threat - TTL and CLS Tomahawk and Harpoon) (Note #3)						45	233	190
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (< 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/ Projectiles								

Activity: 68297

Ordnance Type	Units Throughput							
Other (specify)								
Total:	400	400	400	400	603	1,156	1,291	1,120

4. Maintenance and Testing, continued

Table 4.1.b: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines (Note #1)	23	23	23	23	23	23	23	23
Torpedoes (Lightweight MK 46) (Note #5)	509	250	250	250	250	250	250	250
Torpedo (Heavyweight MK 48) (Note #6)	333	325	356	526	570	534	525	526
Air Launched Threat								
Surface Launched Threat (Note #4)	10	70	90	90	90	90	90	90
Other Threat (Subsurface Threat - TTL and CLS Tomahawk and Harpoon) (Note #3)	113	175	210	210	210	210	210	210
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (< 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/Projectiles								
Other (specify)								
Standard Missiles (Note #4)		280	300	400	425	500	500	500
Vertical Launch ASROC			20	40	80	80	80	80
Total:	988	1,123	1,249	1,539	1,648	1,687	1,678	1,679

4. Maintenance and Testing, continued

Table 4.1.c: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	DLMHs							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines (Note #1)					43.6	43.6	39.50	35.30
Torpedoes (Lightweight MK 46) (Note #5)					34.10	34.12	34.12	39.25
Torpedo (Heavyweight MK 48) (Note #6)	222.8	222.8	222.8	276.3	250.6	194.4	142	142
Air Launched Threat								
Surface Launched Threat (Note #4)						.146	.297	.403
Other Threat (Subsurface Threat) (Note #3)						.146	1.25	.750
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (< 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/Projectiles								
Other (specify)								
Total:	222.80K	222.80K	222.80K	276.30K	328.30K	272.412K	217.17K	217.70K

4. Maintenance and Testing, continued

Table 4.1.c: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	DLMHs							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines (Note #1)					43.6	43.6	39.50	35.30
Torpedoes (Lightweight MK 46) (Note #5)					34.10	34.12	34.12	39.25
Torpedo (Heavyweight MK 48) (Note #6)	222.8	222.8	222.8	276.3	250.6	194.4	142	142
Air Launched Threat								
Surface Launched Threat (Note #4)							.297	.403
Other Threat (Subsurface Threat) (Note #3)							1.25	.750
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (< 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/ Projectiles								
Other (specify)								
Total:	222.80K	222.80K	222.80K	276.30K	328.30K	272.12K	217.17K	217.70 K

4. Maintenance and Testing, continued

Table 4.1.d: Historic and Predicted Maintenance and Testing Workload

Ordnance Type	DLMHs							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines (Note #1)	31.20	31.20	31.20	31.20	31.20	31.20	31.20	31.20
Torpedoes (Lightweight MK 46) (Note #5)	31.54	19.54	19.54	19.54	19.54	19.54	19.54	19.54
Torpedos (Heavyweight MK 48) (Note #6)	185.5	181	198.3	293	317.5	297.4	292.4	293
Air Launched Threat								
Surface Launched Threat (Note #4)	.250	.380	.400	.400	.400	.400	.400	.400
Other Threat (Subsurface Launched Threat) (Note #3)	.889	.990	1.60	1.60	1.60	1.60	1.60	1.60
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (< 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/ Projectiles								
Other (specify)								
Standard Missiles (Note #4)		1.68	1.80	2.40	2.40	2.40	2.40	2.40
Vertical Launch ASROC		.10	.20	.40	.40	.40	.40	.40
Total:	249.38K	234.89K	253.04K	348.54K	373.04K	352.94K	347.94K	348.54 K

4. Maintenance and Testing, continued

4.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the maintenance and testing conducted, based on the current and future planned workload mixes? Please provide your response in the absolute number of units throughput and DLMHs that could be unaccomplished at this facility. Report depot-level maintenance as a separate line from intermediate maintenance.

Table 4.2.a: Maximum Potential Maintenance and Testing Workload

Ordnance Type	Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	34	34	34	34	34	34	34
Torpedoes (Heavyweight) (Note #7)	890	890	860	860	860	860	860
Torpedoes (Lightweight)	250	250	250	250	250	250	250
Air Launched Threat							
Surface Launched Threat (Vertical Launch ASROC, All Tomahawk Variants, Harpoon and Standard Missiles)	350	410	410	410	410	410	410
Other Threat Subsurface Threat (CLS and TTL Tomahawk and Harpoon)	173	210	210	210	210	210	210
Expendables							
INERT							
CADs/PADs							
Strategic Nuclear							
Tactical Nuclear							
LOE: Rockets							
LOE: Bombs							
LOE: Gun Ammo (20mm-16")							
LOE: Sm Arms (< 50 cal)							
LOE: Pvro/Demo							
Grenades/Mortars/Projectiles							
Other (specify)							
Total:	1697	1794	1764	1764	1764	1764	1764

4. Maintenance and Testing, continued

Table 4.2.b: Maximum Potential Maintenance and Testing Workload

Ordnance Type	DLMHs						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines	40	40	40	40	40	40	40
Torpedoes (Heavyweight MK 48)	181	198.3	293	317.5	297.4	292.4	293
Torpedoes (Lightweight MK 46)	19.54	19.54	19.54	19.54	19.54	19.54	19.54
Air Launched Threat							
Surface Launched Threat (Vertical Launch ASROC, Tomahawk, Harpoon and Standard Missiles)	1.096	2.300	2.300	2.300	2.300	2.300	2.300
Other Threat Subsurface Threat (CLS and TTL Tomahawk, Harpoon)	.990	1.100	1.100	1.100	1.100	1.100	1.100
Expendables							
INERT							
CADs/PADs							
Strategic Nuclear							
Tactical Nuclear							
LOE: Rockets							
LOE: Bombs							
LOE: Gun Ammo (20mm-16")							
LOE: Sm Arms (< 50 cal)							
LOE: Pyro/Demo							
Grenades/Mortars/ Projectiles							
Other (specify)							
Total:	242.63K	261.24K	355.94K	380.44K	360.34K	355.34K	355.94K

4. Maintenance and Testing, continued

4.3 Provide details of the calculations used to complete Tables 4.2, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased maintenance and testing workload at this activity.

Note #1: MOMAG figures estimates from 1994 to 2001 based on current workload.

Note #2: Assumes three new VLS ships homeported in Pearl Harbor.

Note #3: Assumes one new CLS submarine homeported in Pearl Harbor.

Note #4: Assumes this mission comes to NMLLL, each VLS unit has 140 missiles, each missile requires five manhours per inspection.

Note #5: Includes all maintenance actions.

Drop in data due to decline in funding

Note #6: FY 86-89 estimates from expenditure records

FY 92-93 decline due to reduced warshot funding.

FY 97-01 assumes Pearl Harbor is only Pacific Fleet IMA.

Based on 557 manhours to turn around weapon

Note #7: Budget increase of 5.7m required.

4.4 Table 4.7, on the following page, may be used as a worksheet for the following questions. Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform maintenance and testing workload? What other investments in the industrial infrastructure would you make to increase maintenance and testing capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

Move Missile IMA from Bldg 569 to Bldg 489, to allow two different types of threat weapons to be worked at the same time. Use Bldg 569 as Standard Missile IMA. Cost breakdown for change is:

Moving Costs:	150K
Bldg. Maint.:	150K
New PSH&T:	750K
Labor:	100K
Tech Eqpt:	600K
Contract Maint:	150K
Training	100K

Payback period would be approximately three years after last new VLS unit arrives in Pearl Harbor. Cost savings would be realized through elimination of requirements to transport condition Code K missiles back to Conus for required maintenance which would significantly reduce missile maintenance turnaround time.

Lightweight torpedo's limiting factor is decreasing fleet units to fire them and fleet inventory rightsizing.

Heavyweight torpedo: Average torpedo turnaround cost is \$10K. Budget increase is directly proportional to increased production. Personnel increase to support maximum throughput would be an increase in current BA of 30%.

4.5 Are there any ultimate and overriding limiting factors to expansion of this activity's maintenance and testing workload? If so, what are they?

N/A

4.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance maintenance and testing at this activity (AICUZ encroachment, pollutant discharge, etc.)?

N/A

4. Maintenance and Testing, continued

4.7 For all Maintenance and Testing identified in section 4.1, specify which items (by family of weapon) and the quantity (by number of units per year) you can maintain (e.g. Captor 50/yr, Phoenix 100/yr, etc.). Identify factors limiting your capability, the total cost to remove the limiting factor and the new rate that could be maintained.

Table 4.7: **Ordnance Maintenance and Testing Factors**

Ordnance (Type-Qty)	Current Rate	Limiting Factors	Cost to Remove (\$K)	New Rate
Tomahawk CLS	24	Space/Personnel	2 Million	54
Tomahawk TTL	200	Space/Personnel	same	400
Tomahawk Surface VLS	160	Space/Personnel	same	320
Tomahawk ABL	Unknown if any units with these Wpn system will be stationed in Pearl Harbor			
Harpoon Encapsulated	60	Space/Personnel	2 Million	120
Harpoon ABL	10	None		
Standard Missiles (VLS, Terrier, Tartar)	210	Space/Personnel/Traini ng	3 Million	425
Lightweight Torpedo (MK 46)	546	Decrease in Fleet utilization and inventory		250
Heavyweight Torpedo (MK 48)	333	Budget/Personnel	5600K	890

Lightweight torpedo's limiting factor is decreasing fleet units to fire them and fleet inventory rightsizing.

Heavyweight torpedo: Average torpedo turnaround cost is \$10K. Budget increase is directly proportional to increased production. Personnel increase to support maximum throughput would be an increase in current BA of 30%.

4.5 Are there any ultimate and overriding limiting factors to expansion of this activity's maintenance and testing workload? If so, what are they?

N/A

4.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance maintenance and testing at this activity (AICUZ encroachment, pollutant discharge, etc.)?

N/A

4. Maintenance and Testing, continued

4.7 For all Maintenance and Testing identified in section 4.1, specify which items (by family of weapon) and the quantity (by number of units per year) you can maintain (e.g. Captor 50/yr, Phoenix 100/yr, etc.). Identify factors limiting your capability, the total cost to remove the limiting factor and the new rate that could be maintained.

Table 4.7: **Ordnance Maintenance and Testing Factors**

Ordnance (Type-Qty)	Current Rate	Limiting Factors	Cost to Remove (\$K)	New Rate
Tomahawk CLS	24	Space/Personnel	2 Million	54
Tomahawk TTL	200	Space/Personnel	same	400
Tomahawk Surface VLS	160	Space/Personnel	same	320
Tomahawk ABL	Unknown if any units with these Wpn system will be stationed in Pearl Harbor			
Harpoon Encapsulated	60	Space/Personnel	2 Million	120
Harpoon ABL	10	None		
Standard Missiles (VLS, Terrier, Tartar)	210	Space/Personnel/Traini ng	3 Million	425
Lightweight Torpedo (MK 46)	546	Decrease in Fleet utilization and inventory		250
Heavyweight Torpedo (MK 48)	333	Budget/Personnel	5600K	890

4. Maintenance and Testing, continued

4.8 If the workload reported in section 4.1 is not the complete maintenance/testing package required by the munition, briefly describe what additional work is required, where the weapon must be sent to accomplish the work, and at what frequency the work must be done. Report depot-level maintenance as a separate line from intermediate maintenance.

Table 4.8: Additional Ordnance Maintenance and Testing Requirements

Munitions Type	Additional Work Required	Location for Additional Work	Frequency of Additional Work
N/A for NAVMAG LLL			

4.9 For each additional maintenance or testing action listed in Table 4.8 above, identify if that workload could be performed at your activity. Briefly describe what modifications would be necessary to accomplish that workload at your activity, and the associated costs.

4. Maintenance and Testing, continued

Questions 4.10-4.15 refer to Depot Maintenance workload performance only.

4.10 Given the current configuration and operation of your activity, provide the depot/industrial level maintenance by commodity group (from the Commodity List in the Notes at the beginning of this Data Call) that was executed in and is programmed for the Fiscal Years (FY) requested in units throughput and in Direct Labor Man Hours (DLMHs). Summarize ordnance commodity types serviced at this activity from the totals provided in Tables 4.1.a-d.

Table 4.10.a: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Ordnance								
Total:								

Table 4.10.b: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Ordnance								
Total:								

4. Maintenance and Testing, continued

Table 4.10.c: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (DLMHs)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Ordnance								
Total:								

Table 4.10.d: Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (DLMHs)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Ordnance								
Total:								

4. Maintenance and Testing, continued

4.11 For each commodity group type reported in Tables 4.10.a through 4.10.d, assume (a) the current projected total depot / industrial workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which depot / industrial maintenance operations could be expanded at this activity, based on the current and future planned workload mixes, for the requested period? Please provide your response in both the absolute maximum number of units and DLMHs that could be processed at this activity by applicable commodity group. Summarize Ordnance from Table 4.2.a-b.

Table 4.11.a: Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Ordnance								
Total:								

Table 4.11.b: Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (DLMHs)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Ordnance								
Total:								

4. Maintenance and Testing, continued

4.12 Provide details of your calculations in Tables 4.11.a-b including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased workload by commodity group at this activity.

4.13 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform workload in each of the applicable commodity groups? Describe quantitatively how the changes above would increase your activity's depot/industrial level maintenance capabilities. What would the associated costs be? What would be the payback period and return on investment?

4.14 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of depot/industrial level workload and this activity (AICUZ encroachment, pollutant discharge, etc.)?

No limiting factors other than small portions of land which are not available for development due to environmental constraints.

4. Maintenance and Testing, continued

4.15 Workload Summary. Enter the information from the Predicted and Potential Workload sections of Tables 4.10 and 4.11 into the table below and calculate the variance between projected and potential workloads. Again, clearly identify each commodity and include all commodities serviced at this activity.

Table 4.15.a: PREDICTED WORKLOAD VARIANCE FOR FY 1995

<i>FY 1995</i> Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Ordnance						
Total	N / A	N / A	N / A			

This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.b: PREDICTED WORKLOAD VARIANCE FOR FY 1996

<i>FY 1996</i> Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Ordnance						
Total	N / A	N / A	N / A			

This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.c: PREDICTED WORKLOAD VARIANCE FOR FY 1997

<i>FY 1997</i> Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Ordnance						
Total	N / A	N / A	N / A			

¹ This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.d: PREDICTED WORKLOAD VARIANCE FOR FY 1998

<i>FY 1998</i> Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Ordnance						
Total	N / A	N / A	N / A			

¹ This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.e: PREDICTED WORKLOAD VARIANCE FOR FY 1999

Commodity Type <i>FY 1999</i>	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Ordnance						
Total	N / A	N / A	N / A			

¹ This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 4.15.f: PREDICTED WORKLOAD VARIANCE FOR FY 2000

Commodity Type <i>FY 2000</i>	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Ordnance						
Total	N / A	N / A	N / A			

¹ This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

Table 4.15.g: PREDICTED WORKLOAD VARIANCE FOR FY 2001

Commodity Type <i>FY 2001</i>	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Ordnance						
Total	N / A	N / A	N / A			

This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

4. Maintenance and Testing, continued

4.12 Provide details of your calculations in Tables 4.11.a-b including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased workload by commodity group at this activity.

4.13 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform workload in each of the applicable commodity groups? Describe quantitatively how the changes above would increase your activity's depot/industrial level maintenance capabilities. What would the associated costs be? What would be the payback period and return on investment?

4.14 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of depot/industrial level workload and this activity (AICUZ encroachment, pollutant discharge, etc.)?

No limiting factors other than small portions of land which are not available for development due to environmental constraints.

Mission Area**5. Manufacturing Workload N/A**

5.1 Identify ordnance manufacturing capabilities of your activity by number of units and Direct Labor Man Hours (DLMHs) that have been executed or are programmed to be performed in the period requested, within each ammunition/ordnance type. Specify all non-ordnance and non-DON workload.

Table 5.1.a: Historic and Predicted Manufacturing Workload

Ordnance Type	Units Throughput							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines								
Torpedoes								
Air Launched Threat								
Surface Launched Threat								
Other Threat								
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (upto 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/ Projectiles								
Other (specify)								

5. Manufacturing Workload, continued N/A

Table 5.1.b: Historic and Predicted Manufacturing Workload

Ordnance Type	Units Throughput							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines								
Torpedoes								
Air Launched Threat								
Surface Launched Threat								
Other Threat								
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (upto 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/ Projectiles								
Other (specify)								

5. Manufacturing Workload, continued N/A

Table 5.1.c: Historic and Predicted Manufacturing Workload

Ordnance Type	DLMHs							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines								
Torpedoes								
Air Launched Threat								
Surface Launched Threat								
Other Threat								
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (upto 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/ Projectiles								
Other (specify)								

5. Manufacturing Workload, continued N/A

Table 5.1.d: Historic and Predicted Manufacturing Workload

Ordnance Type	DLMHs							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines								
Torpedoes								
Air Launched Threat								
Surface Launched Threat								
Other Threat								
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (upto 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/ Projectiles								
Other (specify)								

5. Manufacturing Workload, continued N/A

5.2 Assuming (a) the current projected total workload and mix remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the manufacturing conducted, based on the current and future planned workload mixes? Please provide your response in the absolute number of units throughput and DLMHs that could be accomplished at this facility. Report depot-level maintenance as a separate line from intermediate and below level maintenance.

Table 5.2.a: Maximum Potential Manufacturing Workload

Ordnance Type	Units Throughput						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines							
Torpedoes							
Air Launched Threat							
Surface Launched Threat							
Other Threat							
Expendables							
INERT							
CADs/PADs							
Strategic Nuclear							
Tactical Nuclear							
LOE: Rockets							
LOE: Bombs							
LOE: Gun Ammo (20mm-16")							
LOE: Sm Arms (upto 50 cal)							
LOE: Pyro/Demo							
Grenades / Mortars / Projectiles							
Other (specify)							

5. Manufacturing Workload, continued N/A

Table 5.2.b: Maximum Potential Manufacturing Workload

Ordnance Type	DLMHs						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines							
Torpedoes							
Air Launched Threat							
Surface Launched Threat							
Other Threat							
Expendables							
INERT							
CADs/PADs							
Strategic Nuclear							
Tactical Nuclear							
LOE: Rockets							
LOE: Bombs							
LOE: Gun Ammo (20mm-16")							
LOE: Sm Arms (upto 50 cal)							
LOE: Pyro/Demo							
Grenades/Mortars/ Projectiles							
Other (specify)							

5. Manufacturing Workload, continued

5.3 Provide details of the calculations used to complete Tables 5.2, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased manufacturing workload at this activity.

N/A

5.4 Table 5.7, on following page, may be used as a worksheet for the following questions. Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform manufacturing workload? What other investments in the industrial infrastructure would you make to increase manufacturing capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

N/A

5 Are there any ultimate and overriding limiting factors to expansion of this activity's manufacturing workload? If so, what are they?

N/A

5.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance manufacturing at this activity (AICUZ encroachment, pollutant discharge, etc)?

No limiting factors other than small portions of land which are not available for development due to environmental constraints.

Mission Area**6. In-Service Engineering Workload N/A**

6.1 Identify ordnance in-service engineering capabilities of your activity Direct Labor Man Hours (DLMHs) that have been executed or are programmed to be performed in the period requested, within each ammunition/ordnance type. Specify all "other" entries (e.g. PHS&T).

Table 6.1.a: **Historic and Predicted In-Service Engineering Workload**

Ordnance Type	DLMHs							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines								
Torpedoes								
Air Launched Threat								
Surface Launched Threat								
Other Threat								
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (upto 50 cal)								
LOE: Pyro/Demo								
Grenades/Mortars/ Projectiles								
Other (specify)								

6. In-Service Engineering Workload, continued N/A

Table 6.1.b: Historic and Predicted In-Service Engineering Workload

Ordnance Type	DLMHs							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines								
Torpedoes								
Air Launched Threat								
Surface Launched Threat								
Other Threat								
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (upto 50 cal)								
LOE: Pyro/Demo								
Grenades / Mortars / Projectiles								
Other (specify)								

6. In-Service Engineering Workload, continued N/A

6.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the in-service engineering conducted, based on the current and future planned workload mixes? Please provide your response in the absolute number of DLMHs that could be accomplished at this facility. Report depot-level maintenance as a separate line from intermediate and below level maintenance.

Table 6.2: Maximum Potential In-Service Engineering Workload

Ordnance Type	Workload (DLMHs)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines							
Torpedoes							
Air Launched Threat							
Surface Launched Threat							
Other Threat							
Expendables							
INERT							
CADs/PADs							
Strategic Nuclear							
Tactical Nuclear							
LOE: Rockets							
LOE: Bombs							
LOE: Gun Ammo (20mm-16")							
LOE: Sm Arms (upto 50 cal)							
LOE: Pyro/Demo							
Grenades / Mortars / Projectiles							
Other (specify)							

BRAC-95 CERTIFICATION

pg 29, 31, 32, 35, 41, 103, 104

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

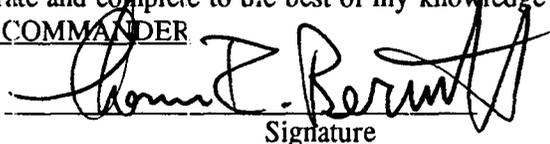
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

THOMAS R. BERNITT
NAME (Please type or print)


Signature

Commanding Officer
Title

12 AUG 94
Date

Naval Magazine Lualualei
Activity



DEPARTMENT OF THE NAVY
NAVAL MAGAZINE LUALUALEI
WAIANAE, HAWAII 96792-4301

11000
Ser 01P/000835
12 August 1994

From: Commanding Officer, Naval Magazine Lualualei
To: Commander in Chief U.S. Pacific Fleet (N4644)
Subj: REQUEST FOR ADDITIONAL INFORMATION FOR BRAC 95 DATA CALL
NUMBER TWENTY-FIVE - NAVAL MAGAZINE LUALUALEI

Ref: (a) CDR D. Biddick, BSAT Fax Transmission of 2 Aug 94
(b) PHONCON LT R. Bergum (CINCPACFLT)/Ms. P. Bates
(NAVMAGLLL) of 2 Aug 94
(c) CDR D. Biddick, BSAT Fax Transmission of 3 Aug 94
(d) NAVMAGLLL ltr 3501 Ser 01P/000793 of 29 Jul 94
(e) NAVMAGLLL ltr 3501 Ser 01P/000568 of 23 May 94

Encl: (1) Table 3.2.a: Throughput in Tons (Page 29R)
(2) Table 3.2.b: Historic and Predicted Throughput in Tons
(Page 31R)
(3) Table 3.2.c: Historic and Predicted Throughput in Tons
(Page 32R)
(4) Table 3.4: Maximum Potential Ordnance Throughput in
Tons (Page 36R)
(5) Table 4.1.c: Historic and Predicted Maintenance and
Testing Workload (Page 41R)
(6) Table 8.2.a: Facility Stowage Summary (Pages 107R
and 108R)

1. Per references (a), (b) and (c) the following is submitted:

a. The response requested in reference (a), questions 1 and 2 on Data Call Supplement for Joint Cross Service Group - Depot Maintenance (depot maintenance section), was forwarded in reference (d).

b. Verification that CAD's/PAD's unit change in Table 1.1b is correct:

- The CAD's/PAD's unit change in Table 1.1.b is correct. NAVMAG Lualualei is a transshipment point for stock rolling back to CONUS.

c. Do the quantities in Table 2.1 include capability at Waikele?

- The quantities listed in Table 2.1: Present and Predicted Stowage Capability do not include storage capacities at Waikele Branch as stated under General Notes for Present and Predicted Storage Capability, page 5, item c. of reference (e).



Subj: REQUEST FOR ADDITIONAL INFORMATION FOR BRAC 95 DATA CALL NUMBER TWENTY-FIVE - NAVAL MAGAZINE LUALUALEI

d. No prediction of increase in predicted inventories from present; this is inconsistent with others:

- This Command is not in possession of any information that would indicate that future inventories would be any different than those stated in Table 2.2., pages 6 through 26 of reference (e).

e. What is official status of Waikele?

- All ordnance was downloaded from Waikele Branch by May 1993. Although the Waikele Branch is no longer used for ordnance storage, and is considered excess to the current base ordnance loading requirements, it is a valuable storage facility for non-ordnance and inert ordnance items. Located at Waikele is a Bachelor Enlisted Quarters (BEQ) that is presently used by the Pacific Fleet Management Analysis Team (CMAT). Due to the shortage of this type facility in Hawaii, discussions have recently been opened to investigate the feasibility of renovating that facility to once again be used as a BEQ.

f. Data provided for tables in section three should be in the following formats: Table 3.1 should be daily rates; Table 3.2.a and Table 3.4 should also be daily throughputs with maximum potential based on a 1-8-5 workshift and Table 3.2.b&c and Table 3.3 should be annual throughputs.

- Enclosures (1) through (4) are corrections for Tables 3.2.a., 3.2.b., 3.2.c., and 3.4.

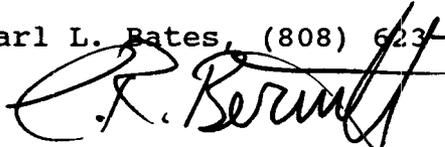
g. Table 4.1.c; DLMH for "Surface Launched Threat" starts in FY1992, units start in FY1991:

- Correction has been made to Table 4.1.c: Historic and Predicted Maintenance and Testing Workload and is submitted at enclosure (5).

h. Table 8.2.a totals do not match totals from Table 2.2; need correct storage capacity totals:

- Correction has been made to Table 8.2.a: Facility Stowage Summary and is submitted at enclosure (6).

2. My point of contact is Pearl L. Bates, (808) 623-3001.



T. R. BERNITT

R

BRAC-95 CERTIFICATION DATA CALL TWENTY FIVE

NAVAL MAGAZINE, LUALUALEI, REVISION #1

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. J. ZLATOPER
NAME


Signature

Commander In Chief
Title

16 DEC 94
Date

U. S. Pacific Fleet
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)


Signature

Title

1/5/95
Date

R

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

THOMAS R. BERNITT, CAPT, USN
NAME (Please type or print)

Thomas R. Bernitt
Signature

Commanding Officer
Title

8 NOV 94
Date

Naval Magazine Lualualei
Activity

R

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

THEODORE J. LUCAS, LT, USN
NAME (Please type or print)

Theodore J. Lucas
Signature

Contract Administration Officer
Title

08 NOV 94
Date

Division

Contract Administration
Department

Naval Magazine Lualualei
Activity

228	4.7	1000	4.7	1000	4.7	1000
229	6.8	1000	6.8	1000	6.8	1000
230	8.3	800	8.3	800	10.4	1000
231	3.8	800	3.8	800	4.7	1000
232	66.8	5000	66.8	5000	66.8	5000
233	15	4575	15	4575	100	5000
234	102.8	5000	102.8	5000	102.8	5000
235	102.8	5000	102.8	5000	102.8	5000
236	80	5000	80	5000	80	5000
237	65	4500	65	4500	72.2	5000
238	102.8	5000	102.8	5000	102.8	5000
239	102.8	5000	102.8	5000	102.8	5000
240A	0	0	0	0	122.1	13524
240B	0	0	0	0	122.1	13524
240C	0	0	0	0	122.1	13524
241A	0	0	0	0	122.1	13524
241B	0	0	0	0	122.1	13524
241C	0	0	0	0	122.1	13524
242	0	0	0	0	14	1250
243	0	0	0	0	14	1250
244	8	1125	8	1125	8.9	1250
245	0	0	0	0	14	1250
246	0	0	0	0	14	1250
34	4.8	850	4.8	850	5.6	1000
487	2	837	2	837	2	837
488	5	837	5	837	5	837
490	6	625	6	625	6	625
491	3.6	625	3.6	625	3.6	625
492	6	625	6	625	6	625
493	2	625	2	625	2	625

R

Activity:68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
E39	0	0	0	0	176	3520
E40	0	0	0	0	176	3520
Total This Site	0	0	0	0	21380	427600

R

General Notes for Total Facility Capability Summary for Waikele Branch:

a. All ordnance was downloaded from Waikele branch by May 1993. This facility is no longer used for ordnance storage and is pending disposition.

Site: West Loch-DON

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
201	0.2	126	0.2	126	0.3	140
202	5.4	49	5.4	49	15.3	140
203	0	0	0	0	7.4	140
204	92	3735	92	3735	102.2	4150
205	98	4150	98	4150	98	4150
206	85.8	3942	85.8	3942	90.3	4150
207	22	415	22	415	220	4150
208	17.9	1660	17.9	1660	44.7	4150
209	36.8	3942	36.8	3942	38.7	4150
210	58	3350	58	3350	72.5	4150
211	64.9	4150	64.9	4150	64.9	4150
212	100	4150	100	4150	100	4150
213	98.2	4150	98.2	4150	98.2	4150

R

494	8	625	8	625	8	625
495	8	625	8	625	8	625
496	4	625	4	625	4	625
497	4	625	4	625	4	625
498	6	625	6	625	6	625
499	7	625	7	625	7	625
500	8	625	8	625	8	625
501	5	625	5	625	5	625
502	3	625	3	625	3	625
503	4	625	4	625	4	625
504	3	625	3	625	3	625
505	7	625	7	625	7	625
506	2	625	2	625	2	625
507	6	625	6	625	6	625
508	6	625	6	625	6	625
509	4	625	4	625	4	625
510	5	625	5	625	5	625
511	6	625	6	625	6	625
512	5	625	5	625	5	625
513	0	0	0	0	3.9	625
514	8	625	8	625	8	625
515	6	625	6	625	6	625
516	6	625	6	625	6	625
517	10	625	10	625	10	625
518	3	625	3	625	3	625
519	3	625	3	625	3	625
520	8	625	8	625	8	625
521	0	0	0	0	3.9	625
522	1	625	1	625	1	625
523	4	625	4	625	4	625

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Activity:68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
214	98.2	4150	98.2	4150	98.2	4150
215	75	3112	75	3112	100	4150
216	12	415	12	415	120	4150
217	35	4150	35	4150	35	4150
218	153.3	3112	153.3	3112	204.4	4150
219	5.9	126	5.9	126	6.6	140
220	27	937	27	937	36	1250
221	6	1250	6	1250	6	1250
222	142	937	142	937	189.3	1250
223	15	1125	15	1125	16.7	1250
224	1.2	375	1.2	375	4	1250
225	14.3	1250	14.3	1250	14.3	1250
226	5.6	1250	5.6	1250	5.6	1250
227	4.4	1250	4.4	1250	4.4	1250
228	4.7	1000	4.7	1000	4.7	1000
229	6.8	1000	6.8	1000	6.8	1000
230	8.3	800	8.3	800	10.4	1000
231	3.8	800	3.8	800	4.7	1000
232	66.8	5000	66.8	5000	66.8	5000
233	15	4575	15	4575	100	5000
234	102.8	5000	102.8	5000	102.8	5000
235	102.8	5000	102.8	5000	102.8	5000
236	80	5000	80	5000	80	5000
237	65	4500	65	4500	72.2	5000

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524	0	0	0	0	3.4	625
525	10	625	10	625	10	625
526	4	625	4	625	4	625
527	0	0	0	0	3.4	625
528	0	0	0	0	3.4	625
529	0	0	0	0	3.4	625
530	0	0	0	0	3.4	625
531	0	0	0	0	3.4	625
532	4.4	625	4.4	625	4.4	625
533	1.7	625	1.7	625	1.7	625
534	1.7	625	1.7	625	1.7	625
535	1.7	625	1.7	625	1.7	625
536	0.5	156	0.5	156	2	625
537	2	625	2	625	2	625
54	0	0	0	0	11.5	1275
55	0	0	0	0	52	5760
574	28	5335	28	5335	28	5335
583	102.8	5000	102.8	5000	102.8	5000
584	90	5000	90	5000	90	5000
585	160	5000	160	5000	160	5000
6A	0	0	0	0	136.5	13524
6B	0	3111	0	3111	86.7	13524
6C	0	3111	0	3111	0	13524
7A	0	0	0	0	122.1	13524
7B	1.1	1352	1.1	1352	2369.1	13524
7C	0	1352	0	1352	2502	13524
K19	0	0	0	0	80.7	8000
K20	80	7120	80	7120	89.9	8000
K21	80	6400	80	6400	100	8000
K22	0	0	0	0	65	8000
K23	40	8000	40	8000	40	8000
K24	40	3600	40	3600	89	8000

R

Activity: 68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
238	102.8	5000	102.8	5000	102.8	5000
239	102.8	5000	102.8	5000	102.8	5000
242	0	0	0	0	14	1250
243	0	0	0	0	14	1250
244	8	1125	8	1125	8.9	1250
245	0	0	0	0	14	1250
246	0	0	0	0	14	1250
34	4.8	850	4.8	850	5.6	1000
487	2	837	2	837	2	837
488	5	837	5	837	5	837
490	6	625	6	625	6	625
491	3.6	625	3.6	625	3.6	625
492	6	625	6	625	6	625
493	2	625	2	625	2	625
494	8	625	8	625	8	625
495	8	625	8	625	8	625
496	4	625	4	625	4	625
497	4	625	4	625	4	625
498	6	625	6	625	6	625
499	7	625	7	625	7	625
500	8	625	8	625	8	625
501	5	625	5	625	5	625
502	3	625	3	625	3	625
503	4	625	4	625	4	625

R

K30	101.2	7200	101.2	7200	112.4	8000
K31	102.7	6400	102.7	6400	128.4	8000
K32	101.7	7600	101.7	7600	107	8000
K33	107	7600	107	7600	112.6	8000
Total This	3183.6	211294	3183.6	211294	10168.9	425392

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Activity:68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
504	3	625	3	625	3	625
505	7	625	7	625	7	625
506	2	625	2	625	2	625
507	6	625	6	625	6	625
508	6	625	6	625	6	625
509	4	625	4	625	4	625
510	5	625	5	625	5	625
511	6	625	6	625	6	625
512	5	625	5	625	5	625
513	0	0	0	0	3.9	625
514	8	625	8	625	8	625
515	6	625	6	625	6	625
516	6	625	6	625	6	625
517	10	625	10	625	10	625
518	3	625	3	625	3	625
519	3	625	3	625	3	625
520	8	625	8	625	8	625
521	0	0	0	0	3.9	625
522	1	625	1	625	1	625
523	4	625	4	625	4	625
524	0	0	0	0	3.4	625
525	10	625	10	625	10	625
526	4	625	4	625	4	625
527	0	0	0	0	3.4	625

R

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Activity: 68297

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM STOWAGE CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
528	0	0	0	0	3.4	625
529	0	0	0	0	3.4	625
530	0	0	0	0	3.4	625
531	0	0	0	0	3.4	625
532	4.4	625	4.4	625	4.4	625
533	1.7	625	1.7	625	1.7	625
534	1.7	625	1.7	625	1.7	625
535	1.7	625	1.7	625	1.7	625
536	0.5	156	0.5	156	2	625
537	2	625	2	625	2	625
574	28	5335	28	5335	28	5335
583	102.8	5000	102.8	5000	102.8	5000
584	90	5000	90	5000	90	5000
585	160	5000	160	5000	160	5000
Total This Site	2529.9	148448	2529.9	148448	3231.4	176069

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R

2. Stowage, continued

2.3 In the table below, provide the basic characteristics of the stowage facilities under your cognizance. Identify the type of structure (e.g. box, igloo), its rated category, rated Net Explosive Weight (N.E.W.) and status of ESQD arc for each stowage facility listed above.

Table 2.3: Facility Rated Status

Facility Number / Type		Hazard Rating (1.1-1.4)	Rated N.E.W.	ESQD Arc		
				Established (Y/N)	Waiver (Y/N)	Waiver Expiration Date
101	Box	N/A	0	No	No	N/A
1010	Arch	1.1	500	Yes	No	N/A
101A	Arch	1.2	500	Yes	No	N/A
101B	Arch	1.2	500	Yes	No	N/A
101C	Arch	1.2	500	Yes	No	N/A
102	Box	N/A	0	No	No	N/A
102A	Arch	1.2	500	Yes	No	N/A
102B	Arch	1.2	500	Yes	No	N/A
102C	Arch	1.2	500	Yes	No	N/A
103A	Arch	1.2	500	Yes	No	N/A
103B	Arch	1.2	500	Yes	No	N/A
103C	Arch	1.2	500	Yes	No	N/A
104	Box	1.2	500	Yes	No	N/A
104A	Arch	1.2	500	Yes	No	N/A
104B	Arch	1.2	500	Yes	No	N/A
104C	Arch	1.2	500	Yes	No	N/A
105	Box	1.2	500	Yes	No	N/A
105A	Arch	1.2	500	Yes	No	N/A
105B	Arch	1.2	500	Yes	No	N/A
105C	Arch	1.2	500	Yes	No	N/A

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106	Box	1.2	500	Yes	No	N/A
106A	Arch	1.2	500	Yes	No	N/A
106B	Arch	1.2	500	Yes	No	N/A
106C	Arch	1.2	500	Yes	No	N/A
107	Box	1.2	500	Yes	No	N/A
107A	Arch	1.2	500	Yes	No	N/A
107B	Arch	1.2	500	Yes	No	N/A
107C	Arch	1.2	500	Yes	No	N/A
108	Box	1.2	500	Yes	No	N/A
108A	Arch	1.2	500	Yes	No	N/A
108B	Arch	1.2	500	Yes	No	N/A
108C	Arch	1.2	500	Yes	No	N/A
109	Box	N/A	0	No	No	N/A
109A	Arch	1.2	500	Yes	No	N/A
109B	Arch	1.2	500	Yes	No	N/A
109C	Arch	1.2	500	Yes	No	N/A
110A	Arch	1.2	500	Yes	No	N/A
110B	Arch	1.2	500	Yes	No	N/A
110C	Arch	1.2	500	Yes	No	N/A
1110	Arch	1.1	500	Yes	No	N/A
1111	Arch	1.1	500	Yes	No	N/A
111A	Arch	1.2	500	Yes	No	N/A
111B	Arch	1.2	500	Yes	No	N/A
111C	Arch	1.2	500	Yes	No	N/A
114	Gal	1.4	500	Yes	No	N/A
115	Gal	1.4	500	Yes	No	N/A
116	Box	1.2	500	Yes	No	N/A
116	Gal	1.2	500	Yes	No	N/A
117	Box	1.2	500	Yes	No	N/A

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117	Gal	1.2	500	Yes	No	N/A
118	Box	1.2	500	Yes	No	N/A
118	Gal	1.2	500	Yes	No	N/A
119	Gal	1.2	500	Yes	No	N/A
120	Box	1.2	500	Yes	No	N/A
120	Gal	1.2	500	Yes	No	N/A
121	Box	N/A	0	No	No	N/A
121	Gal	1.2	500	Yes	No	N/A
1210	Arch	1.1	500	Yes	No	N/A
123	Box	1.2	500	Yes	No	N/A
124	Box	1.2	500	Yes	No	N/A
125	Arch	1.1	15	Yes	No	N/A
126	Arch	1.1	15	Yes	No	N/A
127	Arch	1.1	15	Yes	No	N/A
128	Box	1.1	500	Yes	No	N/A
129	Box	1.1	10	Yes	No	N/A
130	Arch	1.1	15	Yes	No	N/A
131	Arch	1.1	15	Yes	No	N/A
132	Arch	1.3	500	Yes	No	N/A
133	Arch	1.1	15	Yes	No	N/A
134	Arch	1.1	15	Yes	No	N/A
135	Arch	1.1	15	Yes	No	N/A
136	Arch	1.1	15	Yes	No	N/A
137	Arch	1.1	15	Yes	No	N/A
138	Arch	1.1	15	Yes	No	N/A
139	Arch	1.1	15	Yes	No	N/A
140	Arch	1.1	15	Yes	No	N/A
141	Arch	1.1	15	Yes	No	N/A
142	Arch	1.1	15	Yes	No	N/A

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143	Arch	1.1	15	Yes	No	N/A
144	Arch	1.1	15	Yes	No	N/A
145	Arch	1.1	15	Yes	No	N/A
146	Arch	1.1	15	Yes	No	N/A
147	Arch	1.1	15	Yes	No	N/A
148	Arch	1.1	15	Yes	No	N/A
149	Arch	1.1	15	Yes	No	N/A
150	Arch	1.4	500	Yes	No	N/A
151	Arch	1.4	500	Yes	No	N/A
1510	Arch	1.1	500	Yes	No	N/A
1511	Arch	1.1	500	Yes	No	N/A
1512	Arch	1.1	500	Yes	No	N/A
1513	Arch	1.1	500	Yes	No	N/A
152	Arch	1.4	500	Yes	No	N/A
153	Arch	1.1	30	Yes	No	N/A
154	Arch	1.2	500	Yes	No	N/A
155	Arch	1.3	500	Yes	No	N/A
156	Arch	1.4	500	Yes	No	N/A
157	Arch	1.4	500	Yes	No	N/A
158	Arch	1.3	500	Yes	No	N/A
159	Arch	1.1	70	Yes	No	N/A
160	Arch	1.1	70	Yes	No	N/A
201	Arch	1.2	500	Yes	No	N/A
202	Arch	1.2	500	Yes	No	N/A
203	Arch	1.2	500	Yes	No	N/A
204	Arch	1.1	125	Yes	No	N/A
205	Arch	1.1	140	Yes	No	N/A
206	Arch	1.1	100	Yes	No	N/A
207	Arch	1.1	65	Yes	No	N/A

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208	Arch	1.1	45	Yes	No	N/A
209	Arch	1.2	500	Yes	No	N/A
210	Arch	1.3	400	Yes	No	N/A
2101	Arch	1.1	500	Yes	No	N/A
2102	Arch	1.1	250	Yes	No	N/A
2103	Arch	1.1	250	Yes	No	N/A
2104	Arch	1.1	250	Yes	No	N/A
2105	Arch	1.1	250	Yes	No	N/A
2106	Arch	1.1	250	Yes	No	N/A
2107	Arch	1.1	250	Yes	No	N/A
2108	Arch	1.1	500	Yes	No	N/A
2109	Arch	1.1	500	Yes	No	N/A
211	Box	1.2	500	Yes	No	N/A
211	Arch	1.1	150	Yes	No	N/A
2111	Arch	1.1	250	Yes	No	N/A
2112	Arch	1.1	250	Yes	No	N/A
2113	Arch	1.1	250	Yes	No	N/A
2114	Arch	1.1	250	Yes	No	N/A
2115	Arch	1.1	250	Yes	No	N/A
2116	Arch	1.1	250	Yes	No	N/A
2117	Arch	1.1	250	Yes	No	N/A
2118	Arch	1.1	500	Yes	No	N/A
2119	Arch	1.1	500	Yes	No	N/A
212	Box	1.2	500	Yes	No	N/A
212	Arch	1.1	150	Yes	No	N/A
2121	Arch	1.1	500	Yes	No	N/A
2122	Arch	1.1	500	Yes	No	N/A
2123	Arch	1.1	500	Yes	No	N/A
2124	Arch	1.1	500	Yes	No	N/A

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2125	Arch	1.1	500	Yes	No	N/A
2126	Arch	1.1	500	Yes	No	N/A
2127	Arch	1.1	500	Yes	No	N/A
2128	Arch	1.1	500	Yes	No	N/A
2129	Arch	1.1	500	Yes	No	N/A
213	Box	1.2	500	Yes	No	N/A
213	Arch	1.1	100	Yes	No	N/A
2131	Arch	1.1	500	Yes	No	N/A
2132	Arch	1.1	500	Yes	No	N/A
2133	Arch	1.1	500	Yes	No	N/A
2134	Arch	1.1	500	Yes	No	N/A
2135	Arch	1.1	500	Yes	No	N/A
2136	Arch	1.1	500	Yes	No	N/A
2137	Arch	1.1	500	Yes	No	N/A
2138	Arch	1.1	500	Yes	No	N/A
214	Box	1.2	500	Yes	No	N/A
214	Arch	1.1	50	Yes	No	N/A
2141	Arch	1.1	500	Yes	No	N/A
2142	Arch	1.1	500	Yes	No	N/A
2143	Arch	1.1	500	Yes	No	N/A
2144	Arch	1.1	500	Yes	No	N/A
2145	Arch	1.1	500	Yes	No	N/A
2146	Arch	1.1	500	Yes	No	N/A
2147	Arch	1.1	500	Yes	No	N/A
215	Box	1.2	500	Yes	No	N/A
215	Arch	1.2	500	Yes	No	N/A
2151	Arch	1.1	500	Yes	No	N/A
2152	Arch	1.1	500	Yes	No	N/A
2153	Arch	1.1	500	Yes	No	N/A

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D09	A	3.52	No	No	None	Para 8.4
D10	A	3.52	No	No	None	Para 8.4
D11	A	3.52	No	No	None	Para 8.4
D12	A	3.52	No	No	None	Para 8.4
D13	A	3.52	No	No	None	Para 8.4
D14	A	3.52	No	No	None	Para 8.4
E01	A	3.52	No	No	None	Para 8.4
E02	A	3.52	No	No	None	Para 8.4
E03	A	3.52	No	No	None	Para 8.4
E04	A	3.52	No	No	None	Para 8.4
E05	A	3.52	No	No	None	Para 8.4
E06	A	3.52	No	No	None	Para 8.4
E07	A	3.52	No	No	None	Para 8.4
E08	A	3.52	No	No	None	Para 8.4
E09	A	3.52	No	No	None	Para 8.4
E10	A	3.52	No	No	None	Para 8.4
E11	A	3.52	No	No	None	Para 8.4
E12	A	3.52	No	No	None	Para 8.4
E13	A	3.52	No	No	None	Para 8.4
E14	A	3.52	No	No	None	Para 8.4
E15	A	3.52	No	No	None	Para 8.4
E16	A	3.52	No	No	None	Para 8.4
E17	A	3.52	No	No	None	Para 8.4
E18	A	3.52	No	No	None	Para 8.4
E19	A	3.52	No	No	None	Para 8.4
E20	A	3.52	No	No	None	Para 8.4
E21	A	3.52	No	No	None	Para 8.4
E22	A	3.52	No	No	None	Para 8.4

E23	A	3.52	No	No	None	Para 8.4
E24	A	3.52	No	No	None	Para 8.4
E25	A	3.52	No	No	None	Para 8.4
E26	A	3.52	No	No	None	Para 8.4
E27	A	3.52	No	No	None	Para 8.4
E28	A	3.52	No	No	None	Para 8.4
E29	A	3.52	No	No	None	Para 8.4
E30	A	3.52	No	No	None	Para 8.4
E31	A	3.52	No	No	None	Para 8.4
E32	A	3.52	No	No	None	Para 8.4
E33	A	3.52	No	No	None	Para 8.4
E34	A	3.52	No	No	None	Para 8.4
E35	A	3.52	No	No	None	Para 8.4
E36	A	3.52	No	No	None	Para 8.4
E37	I	3.52	No	No	None	Para 8.4
E38	A	3.52	No	No	None	Para 8.4
E39	A	3.52	No	No	None	Para 8.4
E40	A	3.52	No	No	None	Para 8.4

Site/Magazine Type: West Loch-Arch

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A / I / S	KSF				
240A	A	13.524	No	Yes	INERT	RSSI-DON
240B	A	13.524	No	Yes	INERT	RSSI-DON
240C	A	13.524	No	Yes	INERT	RSSI-DON
243	A	1.25	No	Yes	Other Threat	RSSI-DON
244	A	1.25	No	Yes	CADs/PADs	RSSI-DON
487	A	0.837	No	Yes	LOE-Pyro/Demo	RSSI-DON
488	A	0.837	No	Yes	LOE-Small Arms	RSSI-DON
490	A	0.625	No	Yes	LOE-Pyro/Demo	RSSI-DON
491	A	0.625	No	Yes	LOE-Pyro/Demo	RSSI-DON
492	A	0.625	No	Yes	LOE-Gun	RSSI-DON
493	A	0.625	No	Yes	CADs/PADs	RSSI-DON
494	A	0.625	No	Yes	LOE-Gun	RSSI-DON
495	A	0.625	No	Yes	LOE-Gun	RSSI-DON
496	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
497	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
498	A	0.625	No	Yes	LOE-Pyro/Demo	RSSI-DON
499	A	0.625	No	Yes	LOE-Gun	RSSI-DON
500	A	0.625	No	Yes	LOE-Gun	RSSI-DON
501	A	0.625	No	Yes	LOE-Gun	RSSI-DON
502	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
503	A	0.625	No	Yes	Other Threat	RSSI-DON
504	A	0.625	No	Yes	Other Threat	RSSI-DON
505	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON

506	A	0.625	No	Yes	LOE-Pyro/Demo	RSSI-DON
507	A	0.625	No	Yes	LOE-Pyro/Demo	RSSI-DON
508	A	0.625	No	Yes	LOE-Pyro/Demo	RSSI-DON
509	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
510	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
511	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
512	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
513	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
514	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
515	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
516	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
517	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
518	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
519	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
520	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
521	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
522	A	0.625	No	Yes	LOE-Pyro/Demo	RSSI-DON
523	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
524	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
525	A	0.625	No	Yes	Other Threat	RSSI-DON
526	A	0.625	No	Yes	Gren/Mort/Projo	RSSI-DON
527	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
528	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
529	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
530	A	0.625	No	Yes	LOE-Small Arms	RSSI-DON
531	A	0.625	No	Yes	Other Threat	RSSI-DON
532	A	0.625	No	Yes	Other Threat	RSSI-DON
533	A	0.625	No	Yes	Other Threat	RSSI-DON

534	A	0.625	No	Yes	Other Threat	RSSI-DON
535	A	0.625	No	Yes	Other Threat	RSSI-DON
536	A	0.625	No	Yes	Other Threat	RSSI-DON
537	A	0.625	No	Yes	Other Threat	RSSI-DON
232	I	5	No	Yes	Surf Threat	RSSI-DON
233	I	5	No	Yes	Surf Threat	RSSI-DON
234	I	5	No	Yes	Torpedoes	RSSI-DON
235	I	5	No	Yes	Torpedoes	RSSI-DON
236	I	5	No	Yes	Surf Threat	RSSI-DON
237	I	5	No	Yes	Torpedoes	RSSI-DON
238	I	5	No	Yes	Torpedoes	RSSI-DON
239	I	5	No	Yes	Surf Threat	RSSI-DON
241A	S	13.524	No	Yes	INERT	RSSI-DON
241B	S	13.524	No	Yes	INERT	RSSI-DON
241C	S	13.524	No	Yes	INERT	RSSI-DON
201	S	0.14	No	Yes	LOE-Pyro/Demo	Trng
202	S	0.14	No	Yes	LOE-Small Arms	RSSI-DON
203	S	0.14	No	Yes	Expendables	RSSI-DON
34	S	1	No	Yes	CADs/PADs	RSSI-DON
54	S	1.275	No	Yes	INERT	RSSI-DON
55	S	5.76	No	Yes	INERT	RSSI-DON
242	S	1.25	No	Yes	Mines	RSSI-DON
245	S	1.25	No	Yes	Other Threat	RSSI-DON
246	S	1.25	No	Yes	Other Threat	RSSI-DON
204	S	4.15	No	Yes	Torpedoes	RSSI-DON
205	S	4.15	No	Yes	Torpedoes	RSSI-DON

206	S	4.15	No	Yes	Torpedoes	RSSI-DON
207	S	4.15	No	Yes	Torpedoes	RSSI-DON
208	S	4.15	No	Yes	Gren/Mort/Projo	RSSI-DON
209	S	4.15	No	Yes	LOE-Pyro/Demo	RSSI-DON
210	S	4.15	No	Yes	LOE-Pyro/Demo	RSSI-DON
211	S	4.15	No	Yes	Torpedoes	RSSI-DON
212	S	4.15	No	Yes	Mines	RSSI-DON
213	S	4.15	No	Yes	Torpedoes	RSSI-DON
214	S	4.15	No	Yes	Torpedoes	RSSI-DON
215	S	4.15	No	Yes	Surf Threat	RSSI-DON
216	S	4.15	No	Yes	Surf Threat	RSSI-DON
217	S	4.15	No	Yes	LOE-Pyro/Demo	RSSI-DON
218	S	4.15	No	Yes	LOE-Gun	RSSI-DON

8. Stowage Facilities, continued

8.2 Summarize the magazine characteristics reported in the Tables above (section 8.1) magazines. Table 8.2.a summarizes by location: list the total number of magazines for each type of magazine (e.g. igloo, box) at each location. Table 8.2.b summarizes by magazine type, across all locations.

Table 8.2.a: Facility Stowage Summary

Site: Lualualei

Type of Magazine	Total This Type	Square Footage			
		Adequate	Substandard	Inadequate	Total
Box	83	325,704	96,400	0	422,104
Arch	193	282,334	0	0	282,334
Total:		608,038	96,400		704,438

Site: West Loch

Type of Magazine	Total This Type	Square Footage			
		Adequate	Substandard	Inadequate	Total
Box	33	17,640	0	172,644	190,284
Arch	91	74,746	115,027	45,335	235,108
Total:		92,386	115,027	217,979	425,392

Site: Waikele

Type of Magazine	Total This Type	Square Footage			
		Adequate	Substandard	Inadequate	Total
Gallery	128	424,080	0	3,520	427,600
Total:		424,080	0	3,520	427,600

8. Stowage Facilities, continued

8.2 Summarize the magazine characteristics reported in the Tables above (section 8.1) magazines. Table 8.2.a summarizes by location: list the total number of magazines for each type of magazine (e.g. igloo, box) at each location. Table 8.2.b summarizes by magazine type, across all locations.

Table 8.2.a: **Facility Stowage Summary**

Site: Lualualei

Type of Magazine	Total This Type	Square Footage			
		Adequate	Substandard	Inadequate	Total
Box	166	649,808	0	192,800	842,608
Arch	193	282,334	0	0	282,334
Total:		932,142	0	192,800	1,124,942

Site: West Loch

Type of Magazine	Total This Type	Square Footage			
		Adequate	Substandard	Inadequate	Total
Box	33	17,640	0	172,644	190,284
Arch	90	74,746	115,027	40,000	229,773
Total:		92,386	115,027	212,644	420,057

Site: Waikele

Type of Magazine	Total This Type	Square Footage			
		Adequate	Substandard	Inadequate	Total
Gallery	128	424,080	0	3,520	427,600
Total:		424,080	0	3,520	427,600

Table 8.2.b: Facility Stowage Summary

Type Magazine: Box

Location	Total # Magazines	Square Footage			
		Adequate	Substandard	Inadequate	Total
Lualualei	83	325,704	964,000	0	422,104
West Loch	32	17,640	0	172,644	190,284
Total:		343,344	964,000	172,644	612,388

Type Magazine: Arch

Location	Total # Magazines	Square Footage			
		Adequate	Substandard	Inadequate	Total
Lualualei	193	282,334	0	0	282,334
West Loch	91	74,746	115,027	45,335	235,108
Total:		357,080	115,027	45,335	517,442

Type Magazine: Gallery

Location	Total # Magazines	Square Footage			
		Adequate	Substandard	Inadequate	Total
Waikale	128	424,080	0	3,520	427,600
Total:		424,080	0	3,520	427,600

Table 8.2.b: Facility Stowage Summary

Type Magazine: Box

Location	Total # Magazines	Square Footage			
		Adequate	Substandard	Inadequate	Total
Lualualei	166	649,808	0	192,800	842,608
West Loch	33	22,975	0	172,644	195,620
Total:		672,783	0	365,444	1,038,228

Type Magazine: Arch

Location	Total # Magazines	Square Footage			
		Adequate	Substandard	Inadequate	Total
Lualualei	193	282,334	0	0	282,334
West Loch	90	74,746	115,027	40,000	229,773
Total:		357,080	115,027	40,000	512,107

Type Magazine: Gallery

Location	Total # Magazines	Square Footage			
		Adequate	Substandard	Inadequate	Total
Waikele	128	424,080	0	3,520	427,600
Total		424,080	0	3,520	427,600

8. Stowage Facilities, continued

8.3 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the facilities in section 8.1 and 8.2 above where inadequate facilities are identified, provide the following information:

a. Facility type/code:

Facility Nos. 232, 233, 234, 235, 236, 237, 238, and 239.
Missile Magazines, Cat Code 42172

b. What makes it inadequate?

Inadequate due to facility design. Doors are too narrow for effective and efficient storage of long ordnance.

c. What use is being made of the facility?

These magazines are used to store long ordnance.

d. What is the cost to upgrade the facility to substandard?

Cost to upgrade to substandard is estimated to be \$720K each to add wider doors.

e. What other use could be made of the facility and at what cost?

These magazines could be used to store other ordnance items besides long ordnance, at no additional cost.

f. Current improvement plans and programmed funding:

FY97 MCON P-155 will provide two additional magazines which are suitable for storing long ordnance.

g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

This facility condition has not resulted in a C3 or C4 BASEREP designation.

8. Stowage Facilities, continued

8.4 For all facilities identified in the Tables of 8.1 as currently not in use for ordnance stowage, provide a brief explanation of its current use and identify its primary usage, if different.

The use of the Waikele Branch was discontinued in May 1993 to reduce operation costs. All ordnance that was stored at the Waikele Branch was consolidated to either the Lualualei Headquarters Branch or the West Loch Branch. The magazines at the Waikele Branch are empty. The Waikele Branch has been declared excess to our needs, and is available to be transferred to another activity.

8.5 If the facilities identified in Table 8.1 are distributed over a noncontiguous area (e.g. one or more Annexes, special areas, etc), list by location all identified holdings. For any holdings detached from the main base, identify the distance from the primary activity.

Table 8.5: Facility Locations

Site (Full Title and location)	Distance
Lualualei Headquarters Branch - Main Site	N/A
West Loch Branch	18 miles
Waikele Branch	18 miles

Features and Capabilities

9. Other Facilities

9.1 Identify by facility number, giving condition code and total area, all those facilities under your cognizance utilized to perform the following functions: Intermediate and Depot level Maintenance (IM; DM) and Testing (T); Manufacturing (Mftg); In-Service Engineering (ISE); or Technical Support (TS) services.

Table 9.1: Condition of Other Facilities

West Loch Branch

Facility Number	Function	Condition (KSF)			Total
		Adequate	Substandard	Inadequate	
543	IM-MK46 Torpedo	7.83	7.83		15.66
569	IM-TOMAHAWK Missile	5.23			5.23
440	IM-MK48 and ADCAP Torpedo	31.54	30.0		61.54
489	T-Fleet Ordnance Returns	22.14			22.14
8	IM-Mobile Mines		12.77		12.77

9.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the facilities in section 9.1 above where inadequate facilities are identified, provide the following information:

- Facility type/code: N/A - No inadequate facilities
- What makes it inadequate?
- What use is being made of the facility?
- What is the cost to upgrade the facility to substandard?
- What other use could be made of the facility and at what cost?
- Current improvement plans and programmed funding:
- Has this facility condition resulted in C3 or C4 designation on your BASEREP?

9.1 Identify by facility number, giving condition code and total area, all those facilities under your cognizance utilized to perform the following functions: Intermediate and Depot level Maintenance (IM; DM) and Testing (T); Manufacturing (Mftg); In-Service Engineering (ISE); or Technical Support (TS) services.

Table 9.1: Condition of Other Facilities

Lualualei Headquarters Branch

Facility Number	Function	Condition (KSF)			Total
		Adequate	Substandard	Inadequate	
440	T-Ammunition Rework	6.0			6.0
103	T-Ammunition Rework	4.8			4.8

9.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the facilities in section 9.1 above where inadequate facilities are identified, provide the following information:

- a. Facility type/code: N/A - No inadequate facilities
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

9. Other Facilities, continued

9.3 An activity's expansion capability includes its ability to reconfigure /rehab existing underutilized facilities to accept new or increased requirements. Identify in the Table below the space available for expansion, by building type and facility number.

Table 9.3: Space Available for Expansion

West Loch Branch

Building Type	Facility Number	Installation Space (KSF)			Total KSF
		Adequate	Substandard	Inadequate	
Administration	437			2.7	2.7
Dispensary	43			0.72	0.72
Motor Pool	Q334			4.0	4.0
Police Station	431			4.37	4.37
Special Services	9			3.0	3.0
Auto Shop	58			8.3	8.3
Alert Force	540	3.96			3.96
Weapons Shop	453		5.06		5.06

Features and Capabilities

10. Workforce

10.1 Identify in Direct Labor Man Hours the workforce employed at your activity (all locations) for the period requested. Use the conversion standard of 1615 DLMHs per Work Year. Provide the Conversion Factor employed for computing DLMHs to DLMYs.

Conversion rate = 2080 DLMHs/DLMY

Table 10.1.a: Non-Military Personnel

	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Direct Labor	213.0K	251.0K	251.0K	245.0K	267.0K	280.0K	267.0K	256.0K
Overhd								
Total	213.0K	251.0K	251.0K	245.0K	267.0K	280.0K	267.0K	256.0K

Table 10.1.b: Non-Military Personnel

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Direct Labor	242.0K	241.0K	242.0K	242.0K	242.0K	242.0K	N/A	N/A
Overhead								
Total	242.0K	242.0K	242.0K	242.0K	242.0K	242.0K	N/A	N/A

Notes:

Overhead does not pertain to this activity.

Projected figures not given past 5 years; therefore figures for FY 2000 - 2001 not available

10. Workforce, continued

Table 10.1.c: Military Personnel

	<u>FY 1986</u>	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Direct Labor	<u>333.0K</u>	333.0K	333.0K	333.0K	333.0K	333.0K	333.0K	237.0K
Overhd								
Total	<u>333.0K</u>	333.0K	333.0K	333.0K	333.0K	333.0K	333.0K	333.0K

Table 10.1.d: Military Personnel

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Direct Labor	329.0K	N/A						
Overhd								
Total	329.0K	N/A						

Notes:

FY 1995 - 2001 are the best estimates available based on present command mission.

Features and Capabilities, continued**11. Contractor Presence**

11.1 If your activity provides space within your facilities for a contractor workforce, please list the facilities so provided. Identify the facility number, amount of space provided (KSF), name(s) of the contractor(s) supported (company), number of contractor personnel resident in your spaces, and function(s) performed by these contractors.

Table 11.1: **Facilities for Contractor Support**

Facility Number	(KSF)	Contractor(s)	# Personnel	Contractor Function(s)
4	13,320	Vitro Service Corp.	3	Mechanic Shop
6	7,791	Vitro Service Corp.	46	Admin/Logistic
110	1,292	Vitro Service Corp.	25	Operations
161	1,800	Vitro Service Corp.	2	Blocking & Bracing
1	5,971	Vitro Service Corp.	25	Operations
3	4,704	Vitro Service Corp.	7	Motor Pool
57	5,963	Vitro Service Corp.	2	Blocking & Bracing
543	20	Vitro Service Corp.	1	Logistics
489	9,000	Vitro Service Corp.	10	Segregation

Additional Comments:

Vitro Services Corporation performs Receipt, Storage, Segregation, and Issue (RSSI) functions for Naval Magazine Lualualei.

Features and Capabilities, continued**12. Berthing Capability**

12.1 Identify the age and structural characteristics for each pier and wharf at your facility or under your cognizance by NAVFAC P-80 Category Code Number (CCN), and dimensions as requested. If unable to maintain the stated design dredge depth, provide explanatory comment following the Table. Identify water distance between adjacent piers, in lieu of slip width, where appropriate. Indicate if the pier is inside a Controlled Industrial Area or High Security Area and the Net Explosive Weight (NEW) ESQD limits, if applicable. Identify any additional controls required in the space following this Table. Identify the average number of days per year over the last eight years (the period FY 1987-1994) that the pier or wharf was out of service (OOS) for maintenance (including dredging of the associated slip).

Table 12.1: Pier and Wharf Characteristics

Pier or Wharf	Age	CCN	Moor Length (FT)	Design Dredge Depth (FT)(MLLW)	Slip Width (FT)	Pier Width (FT)	CIA/ Security Area? (Y/N)	ESQD NEW Limit	Average Annual Days OOS
W1	52	15210	500	30	N/A	40	N	3.25 million	14
W2	52	15210	500	30	N/A	40	N	3.25 million	14
W3	52	15210	500	30	N/A	40	N	3.0 million	14
W4	52	15210	505	35	N/A	46	N	3.25 million	12
W5	52	15210	495	35	N/A	46	N	0.5 million	18

Additional comments:

Wharves are within West Loch Branch which is a restricted area.

Wharves are parallel to shoreline, so there is no slip width.

12. Berthing Capability, continued

12.2 Identify all MILCON improvements executed in the period FY 1986-1994 for each pier or wharf identified in Table 30.1

Table 12.2: Pier and Wharf MILCON

Pier or Wharf	Year MILCON Executed	Nature of Improvement
None		

12.3 List all ESQD waivers currently in effect, with expiration dates, for all applicable piers and wharves identified in Table 12.1.

Table 12.3: ESQD Waivers In Effect

Pier or Wharf	Nature of Waiver	Date Waiver Expires

12. Berthing Capability, continued

12.4 For all piers and wharves at your facility or under your cognizance, indicate which, if any, are RO/RO and/or aircraft accessible, and conditions which apply.

Table 12.4: **Pier and Wharf Access**

Pier or Wharf	RO/RO Access?	Aircraft Access?
RO/RO Ramp	Yes	No

Note: A ramp exists which is capable of and is used for RO/RO operations.

12.5 How much pier space is required to berth and support ancillary craft (tugs, barges, floating cranes, etc) currently at your facility? Indicate if certain piers are uniquely suited to support these craft.

NAVMAG Lualualei does not operate floating assets. All work boats, barges and floating cranes are operated by Naval Station Pearl Harbor. Pier space is available to berth small craft and boats, however, shore power facilities are unavailable. Potable water and sewage services are available.

12. Berthing Capability, continued

12.6 Identify the ship support characteristics for each Pier and Wharf under your activity's cognizance. Indicate if the pier or wharf is listed in OPNAVINST 3000.8. For Compressed Air and Oily Waste disposal, list only permanently installed facilities. For steam, indicate below the Table if any piers or wharves provide certified steam. If any permanent fendering arrangement limits apply, identify them in the space following the Table.

Table 12.6: Pier and Wharf Ship Support Characteristics

Pier/ Wharf	NPW Berth? (Y/N)	KVA		Comp. Air Pressure & Max Capability	Potable Water (GPD)	CHT (GPD)	Oily Waste (GPD)	Steam (LBM/HR & PSI)	Fender- ing Limits (Y/N)
		Shore Power	4160V						
W1	Include answer in separate Annex	None	None	None	133,000	21,600	None	None	N
W2		None	None	None	133,000	21,600	None	None	N
W3		None	None	None	133,000	21,600	None	None	N
W4		None	None	None	59,000	8000	None	None	N
W5		None	None	None	59,000	8000	None	None	N

Additional comments:

Berthing and ammunition handling of up to 3.25 million pounds net explosive weight is waiver-free.

12. Berthing Capability, continued

12.7 For each pier and wharf listed above, state today's normal loading by ship class with current facility ship loading, the maximum berthing, maximum berthing for weapons handling evolutions, and maximum berthing to conduct maintenance. For ordnance handling capability, identify the maximum number of ships that can be moored at each pier or wharf to conduct ordnance handling evolutions, without necessitating berth shifts. Incorporate all applicable safety, ESQD, and access limitations. Include comments below the Table if necessary. For berthing in support of maintenance, list the maximum number of ships that can be serviced in maintenance availabilities at each pier or wharf without necessitating berth shifts to accommodate crane, laydown or access limitations. Provide any additional comments in the space following the Table.

Table 12.7: **Pier and Wharf Normal Loading**

Pier or Wharf	Typical Steady State Loading	Maximum Ship Berthing	Ordnance Handling Pierside?	Perform Maintenance Pierside?
W1	.25	1	1	0
W2	.25	1	1	0
W3	.25	1	1	0
W4	.25	1	1	0
W5	.25	1	1	0

12. Berthing Capability, continued

12.8 How much pier space is required to berth and support ancillary craft (tugs, barges, floating cranes, etc.) currently at your facility? Indicate if certain piers are uniquely suited to support these craft.

NAVMAG Lualualei does not operate floating assets. All work boats, barges and floating cranes are operated by Naval Station Pearl Harbor. Pier space is available to berth small craft and boats, however, shore power facilities are unavailable. Potable water and sewage services are available.

12.9 What is the average pier loading in ships per day due to visiting ships at your facility/piers or wharves under your cognizance? Indicate if this varies significantly by season.

Naval Magazine Lualualei services an average of 1.32 ships per day. There is no significant variation in workload from month to month.

12.10 Given no funding or manning limits, what modifications or improvements would you make to the waterfront infrastructure to increase the cold iron ship berthing capability of your installation/under your cognizance. Provide a description, cost estimates, and additional capability gained.

Ammunition wharves W4 and W5 are upgradable to support deep draft vessels including AOE by deepening the berthing area and channel, and constructing new wharves outboard of existing. Cost is estimated at \$74.8 million per MCON P-150.

ESQD arcs exist to support waiver-free berthing of non-combatant ships loaded with up to 3.25 Million pounds net explosive weight.

12.11 Describe any unique limits or enhancements on the berthing of ships at specific piers or wharves under your cognizance.

Berthing and ammunition handling of up to 3.25 million pounds net explosive weight is waiver-free.

Features and Capabilities, continued**13. Physical Space for Industrial Support**

13.1 Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Complete a separate table for each individual site, i.e., main base, outlying airfields, special off-site areas, etc. The unit of measure is acres. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).

Table 13.1: **Real Estate Resources**

Site Location: Lualualei Headquarters Branch

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	39	26		13
Operational	26	26		
Training	0			
R & D	0			
Supply & Storage	6686	5058	1628	
Admin	20	13		7
Housing	53	35		18
Recreational	55	13		42
Navy Forestry Program	0			
Navy Agricultural Outlease	631	211	420	
Hunting/Fishing Programs	0			
Other				
Total:	7510	5382	2048	80

13.1 Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Complete a separate table for each individual site, i.e., main base, outlying airfields, special off-site areas, etc. The unit of measure is acres. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).

Table 13.1: Real Estate Resources

Site Location: West Loch Branch

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance				
Operational	52	27	25	
Training	43	7	36	
R & D	0			
Supply & Storage	1231	915	316	
Admin	7	2		5
Housing	2	2		
Recreational	25	9		16
Navy Forestry Program	0			
Navy Agricultural Outlease Program	2321	0	2321	
Hunting/Fishing Programs	0			
Other-Wildlife Refuge	36		36	
Total:	4004	1137	2846	21

13.1 Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Complete a separate table for each individual site, i.e., main base, outlying airfields, special off-site areas, etc. The unit of measure is acres. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).

Table 13.1: Real Estate Resources

Site Location: Waikele Branch

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	4	4		
Operational	3	3		
Training				
R & D				
Supply & Storage	479	446	33	
Admin	3	2		1
Housing	25	0		25
Recreational	5	0		5
Navy Forestry Program				
Navy Agricultural Outlease Program				
Hunting/Fishing Programs				
Other				
Total:	519	455	33	31

13. Physical Space for Industrial Support, continued

13.2 Identify the general infrastructure and load capabilities for each base complex under your cognizance in the table below. Reproduce Table 13.2 for each non-contiguous location (e.g. detachments).

Table 13.2: **Base Utilities and Support Services**

Site: Lualualei Headquarters Branch

Capability	On Base Capacity	Off Base Longterm Contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	0	2000	1849	940
Natural Gas (CFH)	0	0	0	0
Sewage (GPD)	30000	0	10000	15000
Potable Water (GPD)	621000	65000	232000	465000
Steam (lbm/Hr)	0	0	0	0
Long-term Parking	1100	0	120	150
Short-term parking	526	0	80	120

Site: West Loch Branch

Capability	On Base Capacity	Off Base Longterm Contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	0	10000	802	354
Natural Gas (CFH)	0	0	0	0
Sewage (GPD)	222000	0	16600	38000
Potable Water (GPD)	20,300,000	1,600,000	1,066,000	2,133,000
Steam (lbm/Hr)	0	0	0	0
Long-term Parking	380	0	120	160
Short-term parking	202	0	110	140

Note: Electrical supply peak demand in KWH's is less than normal steady state load because peak demand occurs over a shorter period of time than steady state load.

13.2 Identify the general infrastructure and load capabilities for each base complex under your cognizance in the table below. Reproduce Table 13.2 for each non-contiguous location (e.g. detachments).

Table 13.2: **Base Utilities and Support Services**

Site: Waikele Branch

Capability	On Base Capacity	Off Base Longterm Contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	0	1000	143	72
Natural Gas (CFH)	0	0	0	0
Sewage (GPD)	30000	0	10000	15000
Potable Water (GPD)	0	41000	10600	21300
Steam (lbm/Hr)	0	0	0	0
Long-term Parking	80	0	10	20
Short-term parking	50	0	30	40

Note: Electrical supply peak demand in KWH's is less than normal steady state load because peak demand occurs over a shorter period of time than steady state load.

Features and Capabilities, continued**14. Facility Measures**

14.1 Identify the facility and equipment values for all activities under your cognizance in the Table below, as executed and budgeted for the period requested. As applied herein:

- Maintenance of Real Property (MRP) is the budgetary term gathering the expenses or budget requirements for facility work and includes recurring maintenance, major repairs and minor construction (non-MILCON) inclusive of all Major Claimant funded Special Projects. It is the amount of funds spent on or budgeted for maintenance and repair of real property assets to maintain the facility in satisfactory operating condition. For purposes of this Data Call, MRP includes all M1/R1 and M2/R2 expenditures.
- Current Plant Value (CPV) refer to incorporates Class 2 Real Property and is the hypothetical dollar amount required to replace a Class 2 facility in kind at today's dollars (e.g.: the cost today to replace an existing wood frame barracks with another barracks, also wood frame).
- Acquisition Cost of Equipment (ACE) reports the total cumulative acquisition cost of all "Personal Property" equipment which includes the cost of installed equipments directly related to mission execution (such as lab test equipment). Class 2 installed capital equipment which is integral to the facility should not be reported as ACE.

Table 14.1: Expenditures and Equipment Values

FY	MRP (\$ K)	CPV (\$ K)	ACE (\$ K)
1986	2829	Est 340,000	UNKNOWN
1987	4015	349,988	UNKNOWN
1988	3848	371,103	UNKNOWN
1989	5045	376,730	133,322
1990	4389	400,516	44,602
1991	9664	410,564	30,778
1992	5787	419,446	93,348
1993	4769	435,068	161,218
1994	4000	456,894	110,000
1995	4000	465,258	120,000
1996	4000	471,420	125,000
1997	4000	480,223	130,000

Per NAVCOMPT: Financial records are only maintained for three years.

Features and Capabilities, continued**15. Personnel Support Facility Data**

15.1 Housing and Messing. Provide data on the BOQs and BEQs assigned to your current plant account. The unit of measure for this capability is number of people housed. Use CCN to differentiate between pay grades (i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above).

Table 15.1: Bachelor Housing Facilities

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ/601 E1 - E4	36	18	36	4248				
BEQ/601 E5-E6	30	30	30	7080				
BEQ/602 E1-E4	40	20	40	4720				
BEQ/602 E5-E6	25	25	25	5900				

15.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

15. Personnel Support Facility Data, continued

15.3 Provide data on the BOQs and BEQs projected to be assigned to your plant account in FY 1997. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

Table 15.3: Bachelor Housing Facilities

Facility Type, Bldg. # & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ/601 E1-E4	36	18	36	4248				
BEQ/601 E5-E6	30	30	30	7080				
BEQ/602 E1-E4	40	20	40	4720				
BEQ/602 E5-E6	25	25	25	5900				

15.4 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

15. Personnel Support Facility Data, continued

15.5 Provide data on the messing facilities assigned to your current plant account.

Table 15.5: Messing Facilities

Facility Type, CCN and Bldg. #	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
GENERAL MESS, ALL HANDS B-603	5427	88	1319					102

15.6 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

15. Personnel Support Facility Data, continued

15.7 Provide data on the messing facilities projected to be assigned to your plant account in FY 1997.

Table 15.7: Messing Facilities

Facility Type, CCN and Bldg. #	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
GENERAL MESS, B-603	5427	88	1319					102

15.8 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

16. Training Facilities

16.1. By Category Code Number (CCN) (5 digits), complete the following student throughput capacity table for all training facilities (adequate, substandard and inadequate) aboard the installation, including tenant activities. Include all 171-XX and 179-XX CCNs and any other applicable CCN. Following the table, describe how the reported Student Hours/Year capacity was derived. Personnel Capacity (PN) is the total number of seats available for students in spaces used instruction, based on the current configuration and use of the facilities.

EX: A type of training facility in the category 171-10 is an academic instruction classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity reported would be 250. If these classrooms are available 8 hours a day for 300 days in a year, the capacity would be 600,000 student hours per year.

Table 16.1: Training Facilities

Parent UIC	CCN	Type of Training Facility	Total # this Type	Personnel Capacity (PN)	Capacity (Student Hours/Year)
55321	17120	Applied Instruction	12	95	197,600
55321	17177	Training Material Storage	1	0	0

Notes:

1. For CCN 17120, capacity is based on 8 hours peer day, 260 days per year, for 95 students.
2. For CCN 17177, this is storage facility only.

16. Training Facilities, continued

16.2 By facility Category Code Number (CCN), provide the number of hours per year of classroom time required for each course of instruction taught at formal schools on your installation. Include all applicable 171-XX and 179-XX CCNs. For requirements, report in column "A" the number of students per requested year; report in "B" the number of hours each student spends in this training facility for each course; report in "C" the product (AxB), the number of hours of instruction per year.

Table 16.2: Formal Classroom Training

CCN: N/A

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
N/A								

Identification: 68297

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

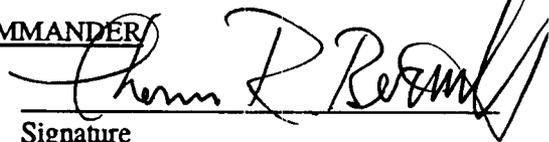
Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

THOMAS R. BERNITT, CAPT, USN

NAME (Please type or print)



Signature

Commanding Officer

Title

23 MAY 1994

Date

Naval Magazine Lualualei

Activity

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

Mark W. Hollister
NAME (Please type or print)

Mark W. Hollister
Signature

Conventional Ordnance Officer
Title

19 May 1994
Date

Division

Conventional Ordnance
Department

Naval Magazine Lualualei
Activity

This certification is for items listed below compiled for data call 25:

- 1.1
- 2.1
- 2.2
- 2.3
- 2.4
- 3.1
- 3.2
- 3.3
- 3.4
- 3.5
- 3.6
- 3.7
- 4.1
- 4.2
- 4.7
- 4.10
- 4.11
- 8.1
- 8.2
- 11.1
- 12.2

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MARV E. THOMPSON
NAME (Please type or print)

Marv Thompson
Signature

SUPPLY OFFICER
Title

18 MAY 94
Date

Division

SUPPLY DEPARTMENT
Department

NAUMAG, LLL
Activity

DC25

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

IRIS K. HIROTA
NAME (Please type or print)

IRIS K. HIROTA
Signature

Budget Officer
Title

5-18-94
Date

Fiscal Division
Division

Comptroller/Supply
Department

NAVMAGLLL
Activity

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

R M RESGONIA

NAME (Please type or print)

YNI

Title

ADMIN

Division

ADMIN

Department

NAUMAS CCL

Activity



Signature

18 May 94

Date

BRAC-95 CERTIFICATION DATA CALL TWENTY-FIVE

NAVMAG LUALUALEI, CORRECTIONS pg 29, 31, 32, 35, 41
103, 104

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. J. ZLATOPER
NAME (Please type or print)
Commander In Chief
Title


Signature
7 SEP 94
Date

U. S. Pacific Fleet
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Title


Signature
9/20/94
Date

Document Separator

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DATA CALL 64
CONSTRUCTION COST AVOIDANCES

Table 1: Military Construction (MILCON) Projects (Excluding Family Housing Construction Projects)

Installation Name:		LUALUALEI HI NM		
Unit Identification Code (UIC):		N68297		
Major Claimant:		PACFLT		
Project FY	Project No.	Description	Appn	Project Cost Avoid (\$000)
1998	154	CONTAINER PROCESSING FAC	MCON	1,390
		Sub-Total - 1998		1,390
1999	114	SECURITY IMPROVEMENTS	MCON	1,400
1999	143	MK50 MAGAZINE	MCON	3,100
		Sub-Total - 1999		4,500
2001	137	EOD OPS & TRNG FACS	MCON	7,900
2001	168	ORD FACS SAFETY IMPVS	MCON	2,100
2001	999	EOD OPS & TRNG FACS	MCON	6,300
		Sub-Total - 2001		16,300
		Grand Total		22,190

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MICHAEL D. THORNTON
NAME (Please type or print)

CDR, CEC, USN
Title

MILCON PROGRAMMING DIVISION
Division

NAVAL FACILITIES ENGINEERING COMMAND
Activity



Signature



Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
12/9/94
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

Title


Signature
12/11/94
Date

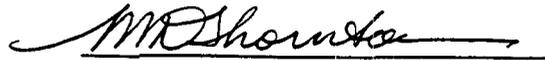
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BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MICHAEL D. THORNTON
NAME (Please type or print)

CDR, CEC, USN
Title



Signature



Date

MILCON PROGRAMMING DIVISION
Division

NAVAL FACILITIES ENGINEERING COMMAND
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
12/9/94
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

Title


Signature
12/17/94
Date

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DATA CALL 64
CONSTRUCTION COST AVOIDANCES

Table 1: Military Construction (MILCON) Projects (Excluding Family Housing Construction Projects)

Installation Name:		LUALUALEI HI NM		
Unit Identification Code (UIC):		N68297	99	
Major Claimant:		PACFLT		
Project FY	Project No.	Description	Appn	Project Cost Avoid (\$000)
1998	154	CONTAINER PROCESSING FAC	MCON	1,390
1998	155	MISSILE MAGAZINES	MCON	9,080
		Sub-Total - 1998		10,470
1999	114	SECURITY IMPROVEMENTS	MCON	1,400
1999	143	MK50 MAGAZINE	MCON	3,100
		Sub-Total - 1999		4,500
2000	142	ORDNANCE OPERATIONS BLDG	MCON	4,750
		Sub-Total - 2000		4,750
2001	137	EOD OPS & TRNG FACS	MCON	7,900
2001	145	AMMUNITION WHARF ALTERS	MCON	1,400
2001	168	ORD FACS SAFETY IMPVS	MCON	2,100
2001	999	EOD OPS & TRNG FACS	MCON	6,300
		Sub-Total - 2001		17,700
		Grand Total		37,420

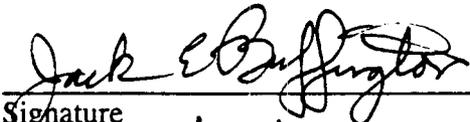
I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
7/13/94
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

Title


Signature
7/18/94
Date

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MARK E. DONALDSON
NAME (Please type or print)

CDR, CEC, USN
Title

MILCON PROGRAMMING DIVISION
Division

FACILITIES PROGRAMMING AND CONSTRUCTION DIRECTORATE
Department

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature

12 July 1994
Date

**BRAC DATA CALL NUMBER 64
CONSTRUCTION COST AVOIDANCE**

Information on cost avoidance which could be realized as the result of cancellation of on-going or programmed construction projects is provided in Tables 1 (MILCON) and 2 (FAMILY HOUSING). These tables list MILCON/FAMILY HOUSING projects which fall within the following categories:

1. all programmed construction projects included in the FY1996 - 2001 MILCON/FAMILY HOUSING Project List,
2. all programmed projects from FY1995 or earlier for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995, and,
3. all programmed BRAC MILCON/FAMILY HOUSING projects for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995.

Projects listed in Tables 1 and 2 with potential cost avoidance were determined as meeting any one of the following criteria:

Projects with projected Work in Place (WIP) less than 75% of the Current Working Estimate (CWE) as of 1 OCT 1995 .

Projects with projected completion dates or Beneficial Occupancy Dates subsequent to 31 March 1996.

Projects with projected CWE amount greater than \$15M.

The estimated cost avoidance for projects terminated after construction award would be approximately one-half of the CWE for the remaining work. Close-out, claims and other termination costs can consume the other half.

Document Separator

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

Jack E Buffington
Signature

COMMANDER
Title

7/13/94
Date

NAVAL FACILITIES ENGINEERING COMMAND
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

W A Earner
Signature

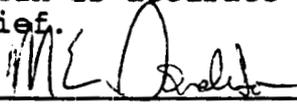
Title

7/18/94
Date

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MARK E. DONALDSON
NAME (Please type or print)


Signature

CDR, CEC, USN
Title

12 July 1994
Date

MILCON PROGRAMMING DIVISION
Division

FACILITIES PROGRAMMING AND CONSTRUCTION DIRECTORATE
Department

NAVAL FACILITIES ENGINEERING COMMAND
Activity

Enclosure (1)

BRAC DATA CALL NUMBER 64
CONSTRUCTION COST AVOIDANCE

Information on cost avoidance which could be realized as the result of cancellation of on-going or programmed construction projects is provided in Tables 1 (MILCON) and 2 (FAMILY HOUSING). These tables list MILCON/FAMILY HOUSING projects which fall within the following categories:

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2. all programmed projects from FY1995 or earlier for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995, and,
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Projects with projected CWE amount greater than \$15M.

The estimated cost avoidance for projects terminated after construction award would be approximately one-half of the CWE for the remaining work. Close-out, claims and other termination costs can consume the other half.

Document Separator

ACTIVITY: NAVAL MAGAZINE LUALUALEI
UIC: 68297

ENVIRONMENTAL DATA CALL

Responses to the following questions provide data that will allow an assessment of the potential environmental impact associated with the closure or realignment of a Navy shore activity. This criterion consists of:

- Endangered/Threatened Species and Biological Habitat
- Wetlands
- Cultural Resources
- Environmental Facilities
- Air Pollution
- Environmental Compliance
- Installation Restoration
- Land/Air/Water Use

As part of the answers to these questions, a *source citation* (e.g., 1993 base loading, 1993 base-wide Endangered Species Survey, 1993 letter from USFWS, 1993 Base Master Plan, 1993 Permit Application, 1993 PA/SI, etc.) must be included. It is probable that, at some point in the future, you will be asked to provide additional information detailing specifics of individual characteristics. In anticipation of this request, supporting documentation (e.g., maps, reports, letters, etc.) regarding answers to these questions should be retained. Information needed to answer these questions is available from the cognizant EFD Planning and Real Estate Divisions, and Environment, Safety, and Health Divisions; and from the activity Public Works Department, and activity Health Monitoring and Safety Offices.

For purposes of the questions associated with land use at your base is *defined* as *land* (acreage owned, withdrawn, leased, and controlled through easements); *air* (space controlled through agreements with the FAA, e.g., MOAs); and *water* (navigation channels and waters along a base shoreline) *under the control of the Navy*.

1. ENDANGERED/THREATENED SPECIES AND BIOLOGICAL HABITAT

1a. For federal or state listed endangered, threatened, or category 1 plant and/or animal species on your base, complete the following table. Critical/sensitive habitats for these species are designated by the U. S. Fish and Wildlife Service (USFWS). A species is present on your base if some part of its life-cycle occurs on Navy controlled property (e.g., nesting, feeding, loafing). Important Habitat refers to that number of acres of habitat that is important to some life cycle stage of the threatened/endangered species that is not formally designated.

SPECIES (plant or animal)	Designation (Threatened/ Endangered)	Federal/ State	Critical / Designated Habitat (Acres)	Important Habitat (acres)
<i>example: Haliaeetus leucocephalus - bald eagle</i>	<i>threatened</i>	<i>Federal</i>	25	0
Anas Wyviliana- Hawaiian Duck	Endangered	Federal & State	37	0
Gallinala Chlorpus Sandvicendid - Hawaiian Gallinule	Endangered	Federal & State	37	0
Fulica Americana alai - Alae Keokeo	Endangered	Federal & State	37	0
Himatopus mexicanuv knudscni - Hawaiian Stilt	Endangered	Federal & State	37	0

Source Citation: Endangered, Threatened and Candidate Species on U. S. Navy and Marine Corp Land.

1b.

Have your base operations or development plans been constrained due to: - USFWS or National Marine Fisheries Service (NMFS)? - State required modifications or constraints? If so, identify below the impact of the constraints including any restrictions on land use.	NO
Are there any requirements resulting from species not residing on base, but which migrate or are present nearby? If so, summarize the impact of such constraints.	NO

1c. If the area of the habitat and the associated species have not been identified on base maps provided in Data Call 1, submit this information on an updated version of Data Call 1 map.

1d.

Have any efforts been made to relocate any species and/or conduct any mitigation with regards to critical habitats or endangered/threatened species? Explain what has been done and why.	NO
--	----

1e.

Will any state or local laws and/or regulations applying to endangered/threatened species which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain.	NO
---	----

2. WETLANDS

Note: Jurisdictional wetlands are those areas that meet the wetland definitional criteria detailed in the Corps of Engineers (COE) Wetland Delineation Manual, 1987, Technical Report Y-87-1, U.S. Army Engineer Waterway Experiment Station, Vicksburg, MS or officially adapted state definitions.

2a.

Does your base possess federal jurisdictional wetlands?	YES
Has a wetlands survey in accordance with established standards been conducted for your base?	NO
When was the survey conducted or when will it be conducted? ____ / ____ / ____	Unknown
What percent of the base has been surveyed?	N/A
What is the total acreage of jurisdictional wetlands present on your base?	72

Source Citation: Basic Master Plan

2b. If the area of the wetlands has not been identified on base maps provided in Data Call 1, submit this on an updated version of Data Call 1 map.

2c. Has the EPA, COE or a state wetland regulatory agency required you to modify or constrain base operations or development plans in any way in order to accommodate a jurisdictional wetland? NO

If YES, summarize the results of such modifications or constraints.

3. CULTURAL RESOURCES

3a.

Has a survey been conducted to determine historic sites, structures, districts or archaeological resources which are listed, or determined eligible for listing, on the National Register of Historic Places? If so, list the sites below.	YES
--	-----

Okiokiolepe Fish Pond which is on the National Register of Historic Places, is located in the West Loch of Pearl Harbor which is within the Pearl Harbor National Historic Landmark.

3b.

YES/NO

<p>Has the President's Advisory Council on Historic Preservation or the cognizant State Historic Preservation Officer required you to mitigate or constrain base operations or development plans in any way in order to accommodate a National Register cultural resource? If YES, list the results of such modifications or constraints below.</p>	<p>NO</p>
---	-----------

3c.

<p>Are there any on base areas identified as sacred areas or burial sites by Native Americans or others? List below.</p>	<p>YES</p>
--	------------

Several sites at the Lualualei Branch have been identified as having religious significance to ancient Hawaiians.

4. ENVIRONMENTAL FACILITIES

Notes: If your facility is permitted for less than maximum capacity, state the maximum capacity and explain below the associated table why it is not permitted for maximum capacity. Under "Permit Status" state when the permit expires, and whether the facility is operating under a waiver. For permit violations, limit the list to the last 5 years.

4a.

<p>Does your base have an operating landfill?</p>				<p>NO</p>	
<p>ID/Location of Landfill</p>	<p>Permitted Capacity (CYD)</p>		<p>Maximum Capacity (CYD)</p>	<p>Contents¹</p>	<p>Permit Status</p>
	<p>TOTAL</p>	<p>Remaining</p>			

¹ Contents (e.g. building demolition, asbestos, sanitary debris, etc)

Are there any current or programmed projects to correct deficiencies or improve the facility.
 N/A

4b. If there are any non-Navy users of the landfill, describe the user and conditions/agreements.
N/A

4c.

Does your base have any disposal, recycling, or incineration facilities for solid waste?					NO
Facility/Type of Operation	Permitted Capacity	Ave Daily Throughput	Maximum Capacity	Permit Status	Comments

List any permit violations and projects to correct deficiencies or improve the facility. N/A

4d.

Does your base own/operate a Domestic Wastewater Treatment Plant (WWTP) ?					NO
ID/Location of WWTP	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status	Level of Treatment/Year Built

List permit violations and discuss any projects to correct deficiencies. N/A

4e. If you do not have a domestic WWTP, describe the average discharge rate of your base to the local sanitary sewer authority, discharge limits set by the sanitary sewer authority (flow and pollutants) and whether the base is in compliance with their permit. Discuss recurring discharge violations.

PWC Pearl owns and operates NAVMAG Lualualei's sewer system. The Lualualei Branch discharges to two stabilization ponds at an average discharge rate of 10,000 gallons per day (gpd). The Waikele Branch discharges to a packaged sewage treatment plant at an average rate of 10,000 gpd. The discharge limits are set in COMNAVBASEPEARLINST 11345.2C (see Attachment A). The West Loch Branch discharges to the Honouliuli Waste Water Treatment Plant at an average rate of 16,600 gpd. See Attachment B for the City and County discharge limits. There are no recurring discharge violations.

4f.

Does your base operate an Industrial Waste Treatment Plant (IWTP)?					NO
ID/Location of IWTP	Type of Treatment	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status

List any permit violations and projects to correct deficiencies or improve the facility. N/A

4g. Are there other waste treatment flows not accounted for in the previous tables? NO
 Estimate capacity and describe the system.

4h.

Does your base operate drinking Water Treatment Plants (WTP)?				NO	
ID/Location of WTP	Operating (GPD)		Method of Treatment	Maximum Capacity	Permit Status
	Permitted Capacity	Daily Rate			

List permit violations and projects/actions to correct deficiencies or improve the facility. N/A

4i. If you do not operate a WTP, what is the source of the base potable water supply. State terms and limits on capacity in the agreement/contract, if applicable.

NAVMAG Lualualei's potable water supply system is owned and operated by PWC Pearl. Water for the Lualualei Branch comes from perched water from a water tunnel located in the Waianae Mountains. Capacity is 621,000 gpd. Water for the West Loch Branch is part of the Pearl Harbor Complex System with a capacity of 20,300,000 gpd. Water for the Waikele Branch is contracted through Oahu Sugar Company at a capacity of 41,000 gpd.

4j.

Does the presence of contaminants or lack of supply of water constrain base operations. Explain.	NO
--	----

There are no contaminants and the water supply is adequate to support base operations.

4k.

Other than those described above does your base hold any NPDES or stormwater permits? If YES, describe permit conditions.	NO
If NO, why not and provide explanation of plan to achieve permitted status.	

PWC Pearl owns and operates NAVMAG Lualualei's sewer system and is the holder of NPDES permit. COMNAVBASE Pearl is the stormwater permit holder for Naval Base activities including NAVMAG Lualualei.

4l.

Does your base have bilge water discharge problem?	NO
Do you have a bilge water treatment facility?	NO

Explain: NAVMAG Lualualei does not collect bilge water from ships.

4m.

Will any state or local laws and/or regulations applying to Environmental Facilities, which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain.	NO
---	----

No constraints in base operations are expected from laws and regulations enacted or promulgated.

4n. What expansion capacity is possible with these Environmental Facilities? Will any expansions/upgrades as a result of BRACON or projects programmed through the Presidents budget through FY1997 result in additional capacity? Explain.

Not applicable since we do not own any of the above Environmental Facilities. However, expansion capacity is possible for both municipal and PWC owned and operated water and sewage system.

4o. Do capacity limitations on any of the facilities discussed in question 4 pose a present or future limitation on base operations? Explain.

Capacity is sufficient for present and future operations.

5. AIR POLLUTION

5a.

What is the name of the Air Quality Control Areas (AQCA) in which the base is located? State of Hawaii
Is the installation or any of its OLFs or non-contiguous base properties located in different AQCA? NO. List site, location and name of AQCA.

5b. For each parcel in a separate AQCA fill in the following table. Identify with and "X" whether the status of each regulated pollutant is: attainment/nonattainment/maintenance. For those areas which are in non-attainment, state whether they are: Marginal, Moderate, Serious, Severe, or Extreme. State target attainment year.

Site: NAVMAG Lualualei

AQCA: State of Hawaii

Pollutant	Attainment	Non-Attainment	Maintenance	Target Attainment Year ¹	Comments ²
CO	X				
Ozone	X				
PM-10	X				
SO ₂	X				
NO ₂	X				
Pb	X				

¹ Based on national standard for Non-Attainment areas or SIP for Maintenance areas.

² Indicate if attainment is dependent upon BRACON, MILCON or Special Projects. Also indicate if the project is currently programmed within the Presidents FY1997 budget.

5c. For your base, identify the baseline level of emissions, established in accordance with the Clean Air Act. Baseline information is assumed to be 1990 data or other year as specified. Determine the total level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

Emission Sources (Tons/Year)					
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO					
NOx					
VOC					
PM10					

Source Document: Baseline info is not established per PACNAV FACENCOM Environmental Engineering Branch.

5d. For your base, determine the total FY1993 level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

Emissions Sources (Tons/Year)					
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	0.33	N/A	N/A	N/A	0.33
NOx	1.31	N/A	N/A	N/A	1.31
VOC	35.8	N/A	N/A	N/A	35.8
PM10	0.07	N/A	N/A	N/A	0.07

Source Document: Air permit applications submitted to State of Hawaii, Department of Health. See Attachment C for list of sources and calculations.

5e. Provide estimated increases/decreases in air emissions (Tons/Year of CO, NO_x, VOC, PM₁₀) expected within the next six years (1995-2001). Either from previous BRAC realignments and/or previously planned downsizing shown in the Presidents FY1997 budget. Explain.

There are no planned increases or decreases in air emissions within the next six years.

5f. Are there any critical air quality regions (i.e. non-attainment areas, national parks, etc.) within 100 miles of the base?

NO

5g. Have any base operations/mission/functions (i.e.: training, R&D, ship movement, aircraft movement, military operations, support functions, vehicle trips per day, etc.) been restricted or delayed due to air quality considerations. Explain the reason for the restriction and the "fix" implemented or planned to correct.

NO

5h. Does your base have Emission Reduction Credits (ERCs) or is it subject to any emission offset requirements? If yes, provide details of the sources affected and conditions of the ERCs and offsets. Is there any potential for getting ERCs?

NO

6. ENVIRONMENTAL COMPLIANCE

6a. Identify compliance costs, currently known or estimated that are required for permits or other actions required to bring existing practices into compliance with appropriate regulations. Do not include Installation Restoration costs that are covered in Section 7. For the last two columns provide the combined total for those two FY's.

Program	Survey Completed?	Costs in \$K to correct deficiencies					
		FY94	FY95	FY96	FY97	FY98-99	FY00-01
Air	(1)	430	50	(3)	(3)	(3)	(3)
Hazardous Waste	(1)	20	230	(3)	(3)	(3)	(3)
Safe Drinking Water Act	(1)	0	2064	(3)	(3)	(3)	(3)
PCBs	YES	0	0	0	0	0	0
Other (non-PCB) Toxic Substance Control Act	(1)	200	800	(3)	(3)	(3)	(3)
Lead Based Paint	(1)	(2)	(2)	(2)	(2)	(2)	(2)
Radon	YES	0	0	0	0	0	0
Clean Water Act	(1)	302	500	(3)	(3)	(3)	(3)
Solid Waste	(1)	39	0	(3)	(3)	(3)	(3)
Oil Pollution Act	YES	0	60	(3)	(3)	(3)	(3)
USTs	YES	1970	0	0	0	0	0
Other	(1)	547	300	(3)	(3)	(3)	(3)
Total		3508	4034	1886	2075	4566	5023

(1) Survey in progress.

(2) Lead based paint are normally removed in conjunction with other maintenance and repair projects.

(3) All known deficiencies to be corrected by the end of FY95. Cost to correct deficiencies in the outyears to allow for changes in regulations are estimated to be 50% of the cost in FY96 plus 10% for inflation.

Provide a separate list of compliance projects in progress or required, with associated cost and estimated start/completion date.

See Attachment D for list of compliance projects.

6b.

Does your base have structures containing asbestos? YES. What % of your base has been surveyed for asbestos? 32%. Are additional surveys planned? YES. What is the estimated cost to remediate asbestos (\$K) 800. Are asbestos survey costs based on encapsulation, removal or a combination of both? A combination of both.

6c. Provide detailed cost of operational (environmental) compliance costs (in \$K), with funding source.

Funding Source	FY92	FY93	FY94	FY95	FY96	FY97	FY98-99	FY00-01
O&MN	81	403	809	550	513	516	1534	1687
HA	0	0	0	0	0	0	0	0
PA	0	0	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0	0	0
TOTAL	81	403	809	550	513	516	1534	1687

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base. NO

7. INSTALLATION RESTORATION

7a.

Does your base have any sites that are contaminated with hazardous substances or petroleum products?	YES
Is your base an NPL site or proposed NPL site?	NO

7b. Provide the following information about your Installation Restoration (IR) program. Project list may be provided in separate table format. Note: List only projects eligible for funding under the Defense Environmental Restoration Account (DERA). Do not include UST compliance projects properly listed in section VI.

Site # or name	Type site ¹	Groundwater Contaminated?	Extends off base?	Drinking Water Source?	Cost to Complete (\$M)/Est. Compl. Date	Status ² /Comments
Bldg. 4 Pesticide Shop	CERCLA	(1)	NO	NO	(1)/Not Programmed	PA/SI completed
Waipio Peninsula	CERCLA	(1)	(1)	(1)	(1)/Not Programmed	PA to be conducted
West Loch	CERCLA	(1)	(1)	(1)	(1)/Not Programmed	SI to be conducted

99

R

¹ Type site: CERCLA, RCRA corrective action (CA), UST or other (explain)

² Status = PA, SI, RI, RD, RA, long term monitoring, etc.

(1) = To be determined.

7c. Have any contamination sites been identified for which there is no recognized/accepted remediation process available? List.

NO

7d.

Is there a groundwater treatment system in place?	NO
Is there a groundwater treatment system planned?	NO

State scope and expected length of pump and treat operation.

7e.

Has a RCRA Facilities Assessment been performed for your base?	NO
--	----

7f. Does your base operate any "Conforming Storage" facilities for handling hazardous materials? If YES, describe facility, capacity, restrictions, and permit conditions.

NO

7g. Does your base operate any "Conforming Storage" facilities for handling hazardous waste? If YES, describe facility, capacity, restrictions, and permit conditions.

NO

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status.

NO

7i.

Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below.	NO
--	----

7j. Have base operations or development plans been restricted due to Installation Restoration considerations? NO

"R"

7k. List any other hazardous waste treatment or disposal facilities not included in question 7b. above. 7b. above. Include capacity, restrictions and permit conditions. N/A

"R"

¹ Type site: CERCLA, RCRA corrective action (CA), UST or other (explain)

² Status = PA, SI, RI, RD, RA, long term monitoring, etc.

(1) = To be determined.

7c. Have any contamination sites been identified for which there is no recognized/accepted remediation process available? List.

NO

7d.

Is there a groundwater treatment system in place?	NO
Is there a groundwater treatment system planned?	NO

State scope and expected length of pump and treat operation.

7e.

Has a RCRA Facilities Assessment been performed for your base?	NO
--	----

7f. Does your base operate any "Conforming Storage" facilities for handling hazardous materials? If YES, describe facility, capacity, restrictions, and permit conditions.

NO

7g. Does your base operate any "Conforming Storage" facilities for handling hazardous waste? If YES, describe facility, capacity, restrictions, and permit conditions.

NO

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status.

NO

7i.

Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below.	NO
--	----

8. LAND/AIR/WATER USE

8a. List the acreage of each real estate component controlled or managed by your base (e.g., Main Base - 1,200 acres, Outlying Field - 200 acres, Remote Range - 1,000 acres, remote antenna site - 5 acres, Off-Base Housing Area - 25 acres).

Parcel Descriptor	Acres	Location
Lualualei Branch (Headquarters)	7,510	Waianae, HI
West Loch Branch	4,004	Ewa Beach, HI
Waikele Branch	519	Waipahu, HI

8b. Provide the acreage of the land use categories listed in the table below:

LAND USE CATEGORY		ACRES
Total Developed: (administration, operational, housing, recreational, training, etc.)		6,974
Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.)		Wetlands: 72
		All Others: 0
Total Undeveloped land considered to be without development constraints, but which may have operational/man caused constraints (i.e.: HERO, HERF, HERP, ESQD, AICUZ, etc.) TOTAL		4,855
Total Undeveloped land considered to be without development constraints		132
Total Off-base lands held for easements/lease for specific purposes		0
Breakout of undeveloped, restricted areas. Some restricted areas may overlap:	ESQD	4,927
	HERF	0
	HERP	0
	HERO	0
	AICUZ	0
	Airfield Safety Criteria	0
	Other	

8c. How many acres on your base (includes off base sites) are dedicated for training purposes (e.g., vehicular, earth moving, mobilization)? This does not include buildings or interior small arms ranges used for training purposes. 0

8d. What is the date of your last AICUZ update? ____/____/____ Are any waivers of airfield safety criteria in effect on your base? N/A
Summarize the conditions of the waivers below.

8e. List the off-base land use *types* (e.g, residential, industrial, agricultural) and *acreage* within Noise Zones 2 & 3 generated by your flight operations and whether it is compatible/incompatible with AICUZ guidelines on land use.

Acreage/Location/ID	Zones 2 or 3	Land Use	Compatible/ Incompatible
N/A			

8f. List the navigational channels and berthing areas controlled by your base which require maintenance dredging? Include the frequency, volume, current project depth, and costs of the maintenance requirement.

Navigational Channels/ Berthing Areas	Location/ Description	Maintenance Dredging Requirement			
		Frequency	Volume (MCY)	Current Project Depth (FT)	Cost (\$M)
Ammunition Wharves W1/W2/W3	West Loch Branch	5 Years	0.01	30	0.1
Ammunition Wharves W4/W5	West Loch Branch	5 Years	0.01	35	0.1

8g. Summarize planned projects through FY 1997 requiring new channel or berthing area dredged depths, include location, volume and depth.

NONE

8h.

Are there available designated dredge disposal areas for maintenance dredging material? List location, remaining capacity, and future limitations.	Yes, South Oahu Ocean Dump Site
Are there available designated dredge disposal areas for new dredge material? List location, remaining capacity, and future limitations.	Same as above
Are the dredged materials considered contaminated? List known contaminants.	No

Note: Dump site is located three miles out from Pearl Harbor in over 1000 feet of water; no specified capacity or unusual limitations.

8.i. List any requirements or constraints resulting from consistency with State Coastal Zone Management Plans.

None. The Navy's position is that the Pearl Harbor waters are under federal control, that actions within the harbor do not "spill-over" into state control lands and therefore actions do not require consistency determinations.

8j. Describe any non-point source pollution problems affecting water quality ,e.g.: coastal erosion.

8k.

If the base has a cooperative agreement with the US Fish and Wildlife Service and/or the State Fish and Game Department for conducting a hunting and fishing program, does the agreement or these resources constrain either current or future operations or activities? Explain the nature and extent of restrictions.	NO
---	----

Cooperative Agreement with U. S. Fish and Wildlife Service does not constrain current or future operations.

8l. List any other areas on your base which are indicated as protected or preserved habitat other than threatened/endangered species that have been listed in Section 1. List the species, whether or not treated, and the acres protected/preserve.

NONE

9. WRAPUP

R

9a. Are there existing or potential environmental showstoppers that have affected or will affect the accomplishment of the installation mission that have not been covered in the previous 8 questions?

None

9b. Are there any other environmental permits required for base operations, include any relating to industrial operations.

R

None

9c. Describe any other environmental or encroachment restrictions on base property not covered in the previous 8 sections.

Residential development adjacent to the Waikele Branch has resulted in ESQD arcs that do not allow an adequate quantity of explosives to be stored in the magazines. For this reason the use of the Waikele Branch for ammunition storage has been discontinued.

9d. List any future/proposed laws/regulations or any proposed laws/regulations which will constrain base operations or development plans in any way. Explain.

No future/proposed laws/regulations are expected to impact base operations.

9. WRAPUP

9a. Are there existing or potential environmental showstoppers that have affected or will affect the accomplishment of the installation mission that have not been covered in the previous 8 questions?

9b. Are there any other environmental permits required for base operations, include any relating to industrial operations.

9c. Describe any other environmental or encroachment restrictions on base property not covered in the previous 8 sections.

Residential development adjacent to the Waikele Branch has resulted in ESQD arcs that do not allow an adequate quantity of explosives to be stored in the magazines. For this reason the use of the Waikele Branch for ammunition storage has been discontinued.

9d. List any future/proposed laws/regulations or any proposed laws/regulations which will constrain base operations or development plans in any way. Explain.

29 NOV 1989

WASTEWATER DISCHARGE LIMITS FOR SEWERS

<u>ITEM</u>	<u>LIMITS*</u>	<u>REMARKS/RATIONALE FOR LIMITS</u>
1. Temperature	120 Deg F Avg. 150 Deg F Max.	Average value will reduce sulfide generation and corrosion in sewerage systems.
2. pH	5.5-9.5	Considerations for corrosive action and disruption to biological treatment processes in use at waste treatment facilities.
3. Color	No adverse discoloration	This is an aesthetic water quality requirement.
4. Chlorine Demand	20 mg/l Avg. 50 mg/l Max.	Required to limit excessive use of chlorination or oxidant at the sewage treatment plant.
5. Sulfides	0.5 mg/l Avg. 5.0 mg/l Max.	Required to reduce hydrogen sulfide odors and corrosion in the wastewater collection system.
6. Biochemical Oxygen Demand (BOD)	200 mg/l Avg. 600 mg/l Max.	Treatment plants are designed for 240 mg/l. Higher limit of 300 mg/l at discharge may be allowed, based on net concentrations monitored at treatment plants.
7. Total Suspended Solids	300 mg/l Avg. 600 mg/l Max.	Same as item 6.
8. Chemical Oxygen Demand (COD) or Total Organic Carbon (TOC)	600 mg/l Avg. 1200 mg/l Max.	COD to BOD ratio of more than 2:1 is an indicator of toxic or poorly biodegradable wastes.
9. Oil and Grease	75 mg/l Avg. 150 mg/l Max.	Values represent normal range for domestic wastewater. At these limits, oil and grease will not clog sewers and will not interfere with treatment processes.

*NOTE: The average limit is defined as the arithmetic mean of a minimum of ten 24-hour composite measurements made over a thirty consecutive calendar day period and the maximum limit is the highest 24-hour composite measurement made for any one day.

WASTEWATER DISCHARGE LIMITS FOR SEWERS

<u>ITEM</u>	<u>LIMITS</u>	<u>REMARKS/RATIONALE FOR LIMITS</u>
10. Oil & Grease (Hydrocarbon)	25 mg/1 Avg. 50 mg/1 Max.	At these concentrations this item will not inhibit biological treatment process
11. Surfactant (MBAS)	15 mg/1 Avg. 30 mg/1 Max.	Same as item 10.
12. Cyanide	0.65 mg/1 Avg. 1.20 mg/1 Max.	These are EPA metal finishing pretreatment standards. (R)
13. Chloride	5000 mg/1 Avg. 8000 mg/1 Max.	At these concentrations this item will not inhibit the treatment process.
14. Sulfate	600 mg/1 Avg. 1000 mg/1 Max.	Same as item 13.
15. Fluoride	2 mg/1 Avg. 5 mg/1 Max.	Higher concentrations will be detrimental to some aquatic life.
16. Antimony	0.1 mg/1 Avg. 0.5 mg/1 Max.	Same as item 15
17. Arsenic	0.1 mg/1 Avg. 0.5 mg/1 Max.	Same as item 13.
18. Barium	25 mg/1 Avg. 50 mg/1 Max.	Higher concentrations will be detrimental to some aquatic life. (A)
19. Beryllium	0.1 mg/1 Avg. 0.2 mg/1 Max.	Same as item 13.
20. Cadmium	0.26 mg/1 Avg. 0.69 mg/1 Max.	Same as item 12. (R)
21. Chromium (Total)	1.71 mg/1 Avg. 2.77 mg/1 Max.	Same as item 12. (R)
22. Chromium (hexavalent)	0.25 mg/1 Avg. 0.50 mg/1 Max.	EPA set these limits to control discharges of toxic pollutants to estuaries and represents the threshold concentration for treatment inhibition.

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WASTEWATER DISCHARGE LIMITS FOR SEWERS

<u>ITEM</u>	<u>LIMITS</u>	<u>REMARKS/RATIONALE FOR LIMITS</u>	
23. Copper	2.07 mg/1 Avg. 3.38 mg/1 Max.	Same as item 12.	(R)
24. Lead	0.43 mg/1 Avg. 0.69 mg/1 Max.	Same as item 12.	(R)
25. Mercury	0.01 mg/1 Avg. 0.05 mg/1 Max.	Higher concentrations will be detrimental to some aquatic life.	
26. Nickel	2.38 mg/1 Avg. 3.98 mg/1 Max.	Same as item 12.	(R)
27. Selenium	0.2 mg/1 Avg. 0.9 mg/1 Max.	Same as item 24.	
28. Silver	0.24 mg/1 Avg. 0.43 mg/1 Max.	Same as item 12.	(R)
29. Thallium	0.1 mg/1 Avg. 0.5 mg/1 Max.	Higher concentrations will be detrimental to some aquatic life. Element is highly soluble in water and may pass through the treatment process.	
30. Tin	2 mg/1 Avg. 10 mg/1 Max.	At these concentrations this item will not inhibit the treatment process.	
31. Zinc	1.48 mg/1 Avg. 2.61 mg/1 Max.	Same as item 12.	(R)
32. Formaldehyde	1.0 mg/1 Avg. 5.0 mg/1 Max.	Same as item 30.	(R)
33. Organic Solvents	0.5 mg/1 Avg. 2.5 mg/1 Max.	Same as item 30.	(P)
34. Strong Oxidizing Agents	1.0 mg/1 Avg. 5.0 mg/1 Max.	These are the desirable concentrations to prevent reactions in the wastewater collection and treatment systems. These agents include acids, bleaches, stripping and cleaning compounds.	(P)

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WASTEWATER DISCHARGE LIMITS FOR SEWERS

<u>ITEM</u>	<u>LIMITS</u>	<u>REMARKS/RATIONALE FOR LIMITS</u>	
35. Strong Reducing Agents	1.0 mg/1 Avg. 5.0 mg/1 Max.	Same as item 34. Agents includes ammonia and chemical reducing compounds.	(1)
36. Total Toxic Organics (TTO) (See List A)	1.37 mg/1 Max.	This is an EPA electrical components pretreatment standard.	(1)
37. Radioactivity	As established	Same as item 29.	(R)
38. Prohibited Items:			
a.	Gasoline, fuel oil, and other flammable or explosive liquids, solids and gases.		
b.	Toxic, noxious, malodorous or poisonous solids, liquids and gases.		
c.	Ashes, cinders, and sand, mud, glass, paper dishes, cups, rags, gauze, strings, metals, plastics, feathers, etc., in quantities or sizes capable of causing obstruction to flow and/or are detrimental to treatment.		
d.	Unusual volume of flow or concentration of wastes constituting "slugs".		
e.	Wastes containing substances which are not amenable, or only partially amenable, to treatment.		

NOTE

- Where EPA standards for specific industries exist, the EPA standards shall supercede the corresponding limits listed herein.
- In no instance shall any discharge into the wastewater collection system exceed the EPA limits for hazardous waste.
- The ship wastewater collection system shall be exempt from meeting the limits for chloride, sulfate, and sulfide.

29 NOV 1989

LIST A

TOXIC ORGANICS

1,2,4-TRICHLOROBENZENE	4,4'-DDD	2,4,6-TRICHLOROPHENOL
1,2-DICHLOROBENZENE	4,4'-DDE	2,4-DICHLOROPHENOL
1,2-DIPHENYLHYDRAZINE	4,4'-DDT	2,4-DIMETHYLPHENOL
1,3-DICHLOROBENZENE	ALDRIN	2,4-DINITROPHENOL
1,4-DICHLOROBENZENE	ALPHA-BHC	2-CHLOROPHENOL
2,4-DINITROTOLUENE	ALPHA-ENDOSULFAN	2-NITROPHENOL
2,6-DINITROTOLUENE	BETA-BHC	4,6-DINITRO-O-CRESOL
2-CHLORONAPHTHALENE	BETA-ENDOSULFAN	4-NITROPHENOL
3,3'-DICHLOROBENZIDINE	CHLORDANE	PARACHLORO METACRESOL
3,4-BENZOFLUORANTHENE	DELTA-BHC	PENTACHLOROPHENOL
4-BROMOPHENYL PHENYL ETHER	DIELDRIN	
4-CHLOROPHENYL PHENYL ETHER	ENDOSULFAN SULFATE	
ACENAPHTHENE	ENDRIN	
ACENAPHTHYLENE	ENDRIN ALDEHYDE	
ANTHRACENE	GAMMA-BHC (LINDANE)	
BENZIDINE	HEPTACHLOR	
BENZO(A)ANTHRACENE	HEPTACHLOR EPOXIDE	
BENZO(A)PYRENE	PCB-1016	
BENZO(GHI)PERYLENE	PCB-1221	
BENZO(K)FLUORANTHENE	PCB-1232	
BIS(2-CHLOROETHOXY)METHANE	PCB-1242	
BIS(2-CHLOROETHYL)ETHER	PCB-1248	
BIS(2-CHLOROISOPROPYL) ETHER	PCB-1254	
BIS(2-ETHYLHEXYL)PHTHALATE	PCB-1260	
BUTYL BENZYL PHTHALATE	TETRACHLOROROBIDENZO-P-DIOXIN	
CHRYSENE	TOXAPHENE	
DIBENZO(A,H)ANTHRACENE	1,1,1-TRICHLOROETHANE	
DIETHYL PHTHALATE	1,1,2,2-TETRACHLOROETHANE	
DIMETHYL PHTHALATE	1,1,2-TRICHLOROETHANE	
DI-N-BUTYL PHTHALATE	1,1-DICHLOROETHANE	
DI-N-OCTYL PHTHALATE	1,1-DICHLOROETHYLENE	
FLUORANTHENE	1,2-DICHLOROETHANE	
FLUORENE	1,2-DICHLOROPROPANE	
HEXACHLOROBENZENE	1,3-DICHLOROPROPENE	
HEXACHLOROBUTADIENE	2-CHLOROETHYL VINYL ETHER	
HEXACHLOROCYCLOPENTADIENE	ACROLEIN	
HEXACHLOROETHANE	ACRYLONITRILE	
INDENO(1,2,3-CD)PYRENE	BENZENE	
ISOPHORONE	BROMOFORM	
NAPHTHALENE	CARBON TETRACHLORIDE	
NITROBENZENE	CHLOROBENZENE	
N-NITROSODIMETHYLAMINE	CHLORODIBROMOMETHANE	
N-NITROSODIPHENYLAMINE	CHLOROETHANE	
N-NITROSODI-N-PROPYLAMINE	CHLOROFORM	
PHENANTHRENE	DICHLOROBROMOMETHANE	
PHENOL	ETHYLBENZENE	
PYRENE	METHYL BROMIDE	
	METHYL CHLORIDE	
	METHYLENE CHLORIDE	
	TETRACHLOROETHYLENE	
	TOLUENE	
	TRANS-1,2-DICHLOROETHYLENE	
	TRICHLOROETHYLENE	
	VINYL CHLORIDE	

Form A (12/93)

INDUSTRIAL WASTEWATER DISCHARGE PERMIT**DISCHARGE LIMITS**

1. **PROHIBITED DISCHARGE STANDARDS:** The IU shall not introduce or cause to be introduced into the POTW any pollutant or wastewater which causes pass through or interference. These prohibitions apply to all IUs of the POTW whether or not they are subject to categorical pretreatment standards or any other Federal, State, or local pretreatment standards or requirements. Furthermore, the IU shall not discharge any of the following substances into the POTW:
- A. Pollutants which create a fire or explosive hazard in the municipal wastewater collection and POTW, including but not limited to, wastestreams with a closed-cup flashpoint of less than 140°F (60°C) using the test methods specified in 40 CFR 261.21.
 - B. Any wastewater having a pH less than 5.5 or more than 11.0, or otherwise causing corrosive structural damage to the POTW or equipment, or endangering personnel.
 - C. Solid or viscous substances in amounts which will cause obstruction of the flow in the POTW resulting in interference, but in no case solids greater than 0.25 inches in any dimension.
 - D. Any wastewater containing pollutants, including oxygen demanding pollutants (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause interference with either the POTW; or any wastewater which causes the temperature at the introduction into the treatment plant to exceed 104°F (40°C).
 - E. Any wastewater having a temperature greater than 150°F, or which will inhibit biological activity in the treatment plant resulting in interference, but in no case wastewater which causes the temperature at the introduction into the treatment plant to exceed 104°F (40°C).
 - F. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin, in amounts that will cause interference or pass through.
 - G. Any pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems.
 - H. Any trucked or hauled pollutants, except at discharge points designated by the POTW.

INDUSTRIAL WASTEWATER DISCHARGE PERMIT

DISCHARGE LIMITS

Continued

- I. Any noxious or malodorous liquids, gases, solids or other wastewater which, either singly or by interaction with other wastes, are sufficient to create a public nuisance, a hazard to life, or to prevent entry into the sewers for maintenance and repair.
- J. Any wastewater which impart colors which cannot be removed by the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions, which consequently imparts color to the treatment plant's effluent thereby violating the City and County of Honolulu's NPDES permit. Color (in combination with turbidity) shall not cause the treatment plant effluent to reduce the depth of the compensation point for photosynthetic activity by more than 10 percent from the seasonably established norm for the aquatic life.
- K. Any wastewater containing any radioactive wastes or isotopes except as specifically approved by POTW in compliance with applicable State or Federal regulations.
- L. Storm water, surface water, ground water, artesian well water, roof runoff, subsurface drainage, swimming pool drainage, condensate, deionized water, non-contact cooling water, and unpolluted industrial wastewater, unless specifically authorized by the POTW.
- M. Any sludges, screenings, or other residues from the pretreatment of industrial wastes.
- N. Any medical wastes, except as specifically authorized by the [the Superintendent] in a wastewater discharge permit.
- O. Any wastewater causing the treatment plant's effluent to fail a toxicity test.
- P. Any wastes containing detergents, surface active agents, or other substances which may cause excessive foaming in the POTW.
- Q. Any discharge of fats, oils, or greases of animal or vegetable origin is limited to 100 mg/L.

Form A (12/93)

Wastes prohibited by this section shall not be processed or stored in such a manner that they could be discharged to the POTW. All floor drains located in process or materials storage area must discharge to the Industrial User's pretreatment facility before connecting with the POTW.

INDUSTRIAL WASTEWATER DISCHARGE PERMIT

DISCHARGE LIMITS

Continued

2. **FEDERAL CATEGORICAL PRETREATMENT STANDARDS:** The National Categorical Pretreatment Standards found in 40 CFR Chapter I, Subchapter N, Parts 405-471 are hereby incorporated.
3. **SPECIFIC POLLUTANT LIMITATIONS:** The IU shall not discharge wastewater containing pollutants in excess of the following instantaneous maximum allowable discharge limits.

Arsenic	0.50 mg/L
Cadmium	0.69 mg/l.
Chromium	2.77 mg/L
Copper	3.38 mg/l.
Lead	0.60 mg/L
Mercury	0.50 mg/l.
Nickel	3.98 mg/l.
Selenium	2.00 mg/l.
Silver	0.43 mg/L
Zinc	2.61 mg/L
PHENOLS	2.00 mg/l.
Cyanide	1.90 mg/L
Oil and Grease	100.0 mg/L
pH	within 5.5 to 11.0
Solids	not exceed 0.25 inches

Permit Page 11 of 13

Attachment B, Page 3 of 4

4. **AMENDMENTS:** These Permit requirements shall in no means restrict or prohibit the DWM from establishing requiring of IUs standards more stringent than set forth herein, if deemed reasonably necessary to comply with pretreatment regulations.

INDUSTRIAL WASTEWATER DISCHARGE PERMIT

DISCHARGE LIMITS

Continued

5. **SPECIAL AGREEMENTS:** The DWM reserves the right to enter into special agreements with IUs setting out special terms under which they may discharge to the POTW. In no case shall a special agreement waive compliance with applicable City, State, or Federal pretreatment standards or requirements. However, the IU may request a variance from the categorical pretreatment standards from the EPA. Such a request will be approved only if the IU can prove that factors relating to its discharge are fundamentally different from the factors considered by the EPA when establishing those pretreatment standards. An IU requesting a fundamentally different factor variance must comply with the procedural and substantive provisions in 40 CFR 403.13.
6. **Dilution:** The IU shall not increase the use of process water, or in any way attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable pretreatment standard or requirement. The DWM may impose mass limitations on IUs which are using dilution to meet applicable pretreatment standards or requirements, or in other cases when the imposition of mass is appropriate.

GENERAL PROVISIONS

1. The IU shall take all reasonable steps to minimize or prevent any discharge in violation of this Permit which has a reasonable likelihood of adversely affecting human health or the environment, including additional monitoring as appropriate to determine the nature and impact of the violation.
2. The provisions in this Permit are severable. If any of the provisions set forth in this Permit are found invalid, the remainder of this Permit shall not be affected and shall be in full force and effect.
3. The requirements set for the herein shall not protect the IU from liabilities under Federal, State, or local law.
4. If Federal or City pretreatment requirements are amended, the DWM may revise and modify this Permit accordingly.

COMPANY NAME: U.S. Navy, Naval Magazine, Lualualei
 EMISSION UNIT: MK-46 Torpedo Shop with Ventilation, Building 543, West Loch Branch

EMISSION UNIT TABLE

Review of applications and issuance of permits will be expedited by supplying all necessary information on this Table.

AIR POLLUTANT DATA: EMISSION POINTS			AIR POLLUTANT	AIR POLLUTANT EMISSION RATE		UTM COORDINATES OF EMISSION PT.			STACK SOURCE PARAMETERS					
STACK NO.	UNIT NO.	EQUIPMENT NAME/DESCRIPTION and SICC Code	REGULATED or HAZARDOUS AIR POLLUTANT NAME (CAS#)	#/HR.	TONS/YEAR	ZONE	EAST (mtrs)	NORTH (mtrs)	HEIGHT ABOVE GROUND (mtrs)	DIRECT. (1) *	DIA. (mtrs)	VEL. (m/s)	FLOW RATE (m3/s)	TEMP. (°C)
1	1A	Fuel Flushing Stand (Portable)	None			4	04840 mE	59440 mN	8.5	UP	0.6	14.5	4.1	Ambient
	1C	Fuel/Defueling Stand (Portable)	None											
	1E	Work Bench	None											
	1B	Fuel Exhaust Vent	None											
	1D	Fuel Exhaust Vent	None											
2	2A	Work Bench	HCN (CAS # 0074-90-8)	<0.1	<0.1				8.5	UP	0.6	14.1	4.0	Ambient
	2C	Work Bench												
	2E	Work Bench												
	2B	Wash Stand (Graymills)	VOC (Agtene)	0.78	0.78									
	2D	Wash Stand (Graymills)												

(1) Exit direction of stack emissions: up, down, or horizontal.

CALCULATIONS OF AIR POLLUTANT EMISSION RATES

MK-46 TORPEDO SHOP WITH VENTILATION SYSTEM
LOCATED AT BUILDING 543, WEST LOCH BRANCH

1. Hydrogen Cyanide (HCN) from Stack No. 1, Units 1B and 1D:

HCN concentration during a disassembly process of the torpedo using a Gastec HCN low range detector tube was not detected. The detection limit of the tube was 0.1 parts per million (ppm). Therefore, the maximum HCN concentration would be 0.1 ppm per torpedo.

Density of HCN: 0.069 Lb/Ft³

Volume of gas: Assume 2 Ft³

Ventilation rate: 100 Ft³/Min

Emission time period: 1 Min

Operation Hr/Yr: 8 Hr/Day x 5 Days/Week x 50 Weeks/Yr = 2000 Hr/Yr

Lb/Hr: $0.069 \text{ Lb/Ft}^3 \times 0.1/10^6 \times 2 \text{ Ft}^3 \times 60 \text{ Min/Hr} = 8.28 \times 10^{-7} (<0.1)$

Tons/Yr: $8.28 \times 10^{-7} \text{ Lb/Hr} \times 2000 \text{ Hr/Yr} \times \text{Ton}/2000 \text{ Lb} = 8.28 \times 10^{-7} (<0.1)$

[Potential Tons/Yr (using 8760 Hrs/Yr): 0.0073 (<0.1)]

2. Agitene (VOC) from Stack No. 2, Units 2B and 2D:

The Graymills wash stands use agitene as the cleaning solvent. Estimate of the amount of solvents used is based on inventory and purchase records. The amount of solvent discharged is estimated by subtracting the amount of used solvent disposed of as hazardous waste from the amount of solvent purchased.

Gallons purchased: 800 Gal/Yr

Gallons disposed of as HW: 560 Gal/Yr

Gallons emitted to the atmosphere: $800 - 560 = 240 \text{ Gal/Yr}$

Density of water: 8.33 Lb/Gal

Specific gravity of agitene: 0.78

Density of agitene: $8.33 \text{ Lb/Gal} \times 0.78 = 6.5 \text{ Lb/Gal}$

Operation Hr/Yr: 8 Hr/Day x 5 Days/Week x 50 Weeks/Yr = 2000 Hr/Yr

Lb/Hr emitted to the atmosphere: $240 \text{ Gal/Yr} \times 6.5 \text{ Lb/Gal} \times \text{Yr}/2000 \text{ Hr} = 0.78$

Ton/Yr emitted to the atmosphere: $240 \text{ Gal/Yr} \times 6.5 \text{ Lb/Gal} \times \text{Ton}/2000 \text{ Lb} = 0.78$

COMPANY NAME: U.S. Navy, Naval Magazine, Lualualei
 EMISSION UNIT: Boiler located at Building 604, West Loch Branch

EMISSION UNIT TABLE

Review of applications and issuance of permits will be expedited by supplying all necessary information on this Table.

AIR POLLUTANT DATA: EMISSION POINTS			AIR POLLUTANT	AIR POLLUTANT EMISSION RATE		UTM COORDINATES OF EMISSION PT.			STACK SOURCE PARAMETERS						
STACK NO.	UNIT NO.	EQUIPMENT NAME/DESCRIPTION and SICC Code	REGULATED or HAZARDOUS AIR POLLUTANT NAME (CAS#)	#/ HR.	TONS/ YEAR	ZONE	EAST (mtrs)	NORTH (mtrs)	HEIGHT ABOVE GROUND (mtrs)	DIRECT. (1) *	DIA. (mtrs)	VEL. (m/s)	FLOW RATE (m3/s)	TEMP. (°C)	
1	1	Boiler - 2,092,000 Btu/Hr Diesel #2 (140,000 Btu/Gal) Maximum % Sulfur: 0.5	PM10	0.02	0.07	4	04880 mE	58980 mN	8	UP	0.25	10.19	0.50	500	
			SO2	1.07	4.66										
			CO	0.07	0.33										
			NOX	0.30	1.31										
			VOC	0.01	0.02										

(1) Exit direction of stack emissions: up, down, or horizontal.

CALCULATIONS OF AIR POLLUTANT EMISSION RATES
BOILER LOCATED AT BUILDING 604, WEST LOCH BRANCH

EF = Emission Factors (Lb/1000 Gal) [Reference: AP-42, 1.3 of 7/93]

PM10: 1.08
SO2: 142 x %S
CO: 5
NOX: 20
VOC: 0.34

Fuel Use: 0.015 (x 1000)Gal/Hr
Maximum Sulfur Content: 0.5%

Lb/Hr = EF x Fuel Use

PM10:	$1.08 \times 0.015 =$	0.0162 Lb/Hr
SO2:	$142 \times \%S \times 0.015 = 142 \times 0.5 \times 0.015 =$	1.065 Lb/Hr
CO:	$5 \times 0.015 =$	0.075 Lb/Hr
NOX:	$20 \times 0.015 =$	0.3 Lb/Hr
VOC:	$0.34 \times 0.015 =$	0.0051 Lb/Hr

Ton/Yr = Lb/Hr x 8760 Hr/Yr x Ton/2000 Lb

PM10:	$0.0162 \text{ Lb/Hr} =>$	0.071 Ton/Yr
SO2:	$1.065 \text{ Lb/Hr} =>$	4.66 Ton/Yr
CO:	$0.075 \text{ Lb/Hr} =>$	0.33 Ton/Yr
NOX:	$0.3 \text{ Lb/Hr} =>$	1.31 Ton/Yr
VOC:	$0.0051 \text{ Lb/Hr} =>$	0.022 Ton/Yr



NAME: NAVAL SUBMARINE BASE, PEARL HARBOR, HI
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EMISSIONS UNITS

view of applications and issuance of permits will be expedited by supplying all necessary information on this Table.

AIR POLLUTANT DATA: EMISSION POINTS				STACK SOURCE PARAMETERS										
STACK NO.	UNIT NO.	EQUIPMENT NAME/DESCRIPTION and SIC Code	AIR POLLUTANT REGULATED OR HAZARDOUS AIR POLLUTANT NAME (CAS#)	AIR POLLUTANT EMISSION RATE		UTM COORDINATES OF EMISSION PT.			HEIGHT ABOVE GROUND (mtrs)	DIRECT. (1)*	DIA. (mtrs)	VEL. (m/s)	FLOW RATE (m ³ /s)	TEMP. (°C)
				#/HR.	TONS/YEAR	ZONE	EAST (mtrs)	NORTH (mtrs)						
S1	1	Torpedo Fueling Ventilator	Not Applicable			4	60080 mN	5455 mE	4.2	UP	0.22	52.64	2.0	AMB
S2	2	Torpedo Fueling Ventilator	Not Applicable			"	"	"	4.2	UP	0.22	52.64	2.0	AMB
S3	3	Torpedo Fueling Ventilator	Not Applicable			"	"	"	4.2	UP	0.22	52.64	2.0	AMB
S4	4	Parts Washer - Model 900	VOC (Mineral Spirits)	SEE NOTE 1		"	"	"	4.2	HORIZ	0.30	21.37	1.51	AMB
			VOC (Preservative Oil)	SEE NOTE 1										
S4	5	Drain Board	Not Applicable			"	"	"	4.2	HORIZ	0.30	21.37	1.51	AMB
S5	6	Afterbody Test Set	HCN	SEE NOTE 2		"	"	"	4.2	UP	0.22	52.64	2.0	AMB
S6	7	Afterbody Test Set	HCN	SEE NOTE 2		"	"	"	4.2	UP	0.22	52.64	2.0	AMB
S7	8	Ventilated Workbench	Not Applicable			"	"	"	5.5	UP	0.81	1.48	0.76	AMB
S7	9	Parts Washer - Model 900	VOC (Mineral Spirits)	SEE NOTE 1		"	"	"	5.5	UP	0.81	1.48	0.76	AMB
			VOC (Preservative Oil)	SEE NOTE 1										
S7	10	Drain Board	Not Applicable			"	"	"	5.5	UP	0.81	1.48	0.76	AMB

(1) Exit direction of stack emissions: up, down, or horizontal.



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EMISSIONS UNITS

view of applications and issuance of permits will be expedited by supplying all necessary information on this Table.

AIR POLLUTANT DATA: EMISSION POINTS			AIR POLLUTANT	AIR POLLUTANT EMISSION RATE		UTM COORDINATES OF EMISSION PT.			STACK SOURCE PARAMETERS					
STACK NO.	UNIT NO.	EQUIPMENT NAME/DESCRIPTION and SIC Code	REGULATED or HAZARDOUS AIR POLLUTANT NAME (CAS#)	#/HR.	TONS/YEAR	ZONE	EAST (mtrs)	NORTH (mtrs)	HEIGHT ABOVE GROUND (mtrs)	DIRECT. (1)*	DIA. (mtrs)	VEL. (m/s)	FLOW RATE (m3/s)	TEMP. (°C)
S7	11	Ventilated Workbench	Not Applicable			4	60080 mN	5455 mE	5.5	UP	0.81	1.48	0.76	AMB
S7	12	Parts Washer - Model 900	VOC (Mineral Spirits)	SEE NOTE 1		"	"	"	5.5	UP	0.81	1.48	0.76	AMB
			VOC (Preservative Oil)	SEE NOTE 1										
S7	13	Drain Board	Not Applicable			"	"	"	5.5	UP	0.81	1.48	0.76	AMB
S8	14	Ventilated Workbench	Not Applicable			"	"	"	5.5	UP	0.56	9.46	2.33	AMB
S8	15	Parts Washer - Model 300	VOC (Mineral Spirits)	SEE NOTE 1		"	"	"	5.5	UP	0.56	9.46	2.33	AMB
			VOC (Preservative Oil)	SEE NOTE 1										
S8	16	Ventilated Workbench	Not Applicable			"	"	"	5.5	UP	0.56	9.46	2.33	AMB
S9	17	Workbench	Not Applicable			"	"	"	5.5	UP	0.22	39.74	1.51	AMB
S9	18	Parts Washer - Model 900	VOC (Degresol)	0.1	0.1	"	"	"	5.5	UP	0.22	39.74	1.51	AMB
S10	19	Battery Charging Area	Not Applicable			"	"	"	5.5	UP	0.22	20.0	0.76	AMB
S11	20	Torpedo Fueling Ventilator	Not Applicable			"	"	"	19.0	UP	0.46	13.85	2.30	AMB

*) Exit direction of stack emissions: up, down, or horizontal.



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EMISSIONS UNITS

Review of applications and issuance of permits will be expedited by supplying all necessary information on this Table.

AIR POLLUTANT DATA: EMISSION POINTS			AIR POLLUTANT	AIR POLLUTANT EMISSION RATE		UTM COORDINATES OF EMISSION PT.			STACK SOURCE PARAMETERS					
STACK NO.	UNIT NO.	EQUIPMENT NAME/DESCRIPTION and SIC Code	REGULATED or HAZARDOUS AIR POLLUTANT NAME (CAS#)	#/HR.	TONS/YEAR	ZONE	EAST (mtrs)	NORTH (mtrs)	HEIGHT ABOVE GROUND (mtrs)	DIRECT. (1)*	DIA. (mtrs)	VEL. (m/s)	FLOW RATE (m ³ /ε)	TEMP. (°C)
S12	21	Torpedo Fueling Ventilator	Not Applicable			4	60080 mN	5455 mE	19	UP	0.46	13.85	2.30	AMB
S13	22	Torpedo Fueling Ventilator	Not Applicable			"	"	"	19	UP	0.46	13.85	1.30	AMB
S14	23	Workbench	Not Applicable			"	"	"	19	UP	0.36	12.97	1.32	AMB
S15	24	Workbench	Not Applicable			"	"	"	19	UP	0.36	12.97	1.32	AMB
S16	25	Torpedo Teardown Ventilator	HCN	SEE NOTE 2		"	"	"	19	UP	0.46	13.85	2.30	AMB
S17	25	Torpedo Teardown Ventilator	HCN	SEE NOTE 2		"	"	"	19	UP	0.30	13.31	0.94	AMB
S18	26	Parts Washer - Model 900	VOC (Mineral Spirits)	SEE NOTE 1		"	"	"	19	UP	0.25	15.49	0.76	AMB
			VOC (Preservative Oil)	SEE NOTE 1										
S19	27	Parts Washer - Model 900	VOC (Mineral Spirits)	SEE NOTE 1		"	"	"	19	UP	0.25	15.49	0.76	AMB
			VOC (Preservative Oil)	SEE NOTE 1										
S20	28	Torpedo Teardown Ventilator	HCN	SEE NOTE 2		"	"	"	19	UP	0.30	13.31	0.94	AMB
S21	28	Torpedo Teardown Ventilator	HCN	SEE NOTE 2		"	"	"	19	UP	0.46	13.85	2.30	AMB

1) Exit direction of stack emissions: up, down, or horizontal.



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EMISSIONS UNITS

Review of applications and issuance of permits will be expedited by supplying all necessary information on this Table.

AIR POLLUTANT DATA: EMISSION POINTS			AIR POLLUTANT	AIR POLLUTANT EMISSION RATE		UTM COORDINATES OF EMISSION PT.			STACK SOURCE PARAMETERS					
STACK NO.	UNIT NO.	EQUIPMENT NAME/DESCRIPTION and SIC Code	REGULATED or HAZARDOUS AIR POLLUTANT NAME (CAS#)	#/ HR.	TONS/ YEAR	ZONE	EAST (mtrs)	NORTH (mtrs)	HEIGHT ABOVE GROUND (mtrs)	DIRECT. (1)*	DIA. (mtrs)	VEL. (m/s)	FLOW RATE (m3/s)	TEMP. (°C)
S22	29	Parts Washer - Model 300	VOC (Mineral Spirits)	SEE NOTE 1		4	60080 mN	5455 mE	19	UP	0.18	16.51	0.42	AMB
			VOC (Preservative Oil)	SEE NOTE 1										
S23	30	Ventilated Workbench	Not Applicable			"	"	"	19	UP	0.36	12.97	1.32	AMB
S24	31	Ventilated Workbench	Not Applicable			"	"	"	19	UP	0.36	12.97	1.32	AMB
S25	32	Facility Vacuum System	Not Applicable			"	"	"	19	UP	0.30	3.54	0.25	AMB

(1) Exit direction of stack emissions: up, down, or horizontal.

NOTE 1

	Total Emission Rate Per Year	
	(lb/hr)	(ton/yr)
Mineral Spirits	35.8	34.0
Preservative Oil	1.1	1.0

NOTE 2

Emissions during disassembly will consist of trace amounts of combustion by-products. The primary constituent of concern will be hydrogen cyanide (HCN). Torpedo afterbodies will be purged if HCN levels are found to be in excess of 40 ppm. Thus, assuming an HCN level of 40 ppm is highly conservative. All disassembly is done under ventilation. Assuming an HCN level of 40 ppm, afterbody gas volume of 2 cubic feet, and a ventilation rate of 110 ACFM, emissions to the atmosphere would be approximately 0.73 ppm, assuming all emissions occur in a one-minute time period when the afterbody is opened. These puffs of emissions might occur with the opening of each torpedo. Based on an emission puff HCN content of 0.73, mass emissions in the one minute period would be approximately 5.6×10^{-6} pounds. This emission rate is considered to be insignificant.



ATTACHMENT D**LIST OF COMPLIANCE PROJECTS FOR NAVMAG LUALUALEI**

Project Title	Cost (\$K)	Start Date	Compl. Date
HAZMIN Plan	20	9/93	7/94
UST Site Assessment	1,820	3/94	7/95
UST Removal	75	3/94	7/95
UST Management Plan	75	5/94	5/95
Solid Waste Management Plan	39	3/94	2/95
Storm Water Pollution Prevention Plan	302	3/94	2/95
Asbestos Management Plan	200	4/94	1/95
VOC & Toxic Emission Inventory	30	4/94	10/94
Photo Documentation of Historic Bldg.	180	6/94	12/95
Hist. & Arch. Resources Prot. Plan	367	6/94	12/95
Replace ODS Equipment	400	10/94	12/95
Cross Connection Survey for Potable Water Systems	1,156	10/94	9/95
Solid Waste Management Plan Impl.	30	10/94	6/95
ODS Inventory & Management	50	10/94	12/95
Storm Water Pollution Control Plan Impl.	500	12/94	12/95
SPCC Plan Development & Implementation	60	12/94	12/95
Procure and Install Reclamation Still	30	2/95	5/96
Pollution Prevention Plan	300	4/95	4/96
Construct HAZMAT Reutilization Facility	200	6/95	1/96
Correct Backflow Prevention Deficiencies	908	10/95	9/96
Asbestos Abatement	800	10/95	12/96

BRAC-95 CERTIFICATION DATA CALL THIRTY THREE

NAVMAG LUALUALEI

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. J. KELLY
NAME (Please type or print)



Signature

Commander In Chief
Title

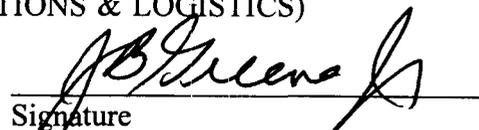
2 AUG 94
Date

U. S. Pacific Fleet
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME (Please type or print)



Signature

ACTING
Title

18 AUG 1994
Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

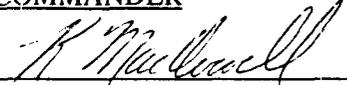
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

KENNETH MACDOWELL
NAME (Please type or print)


Signature

Commanding Officer, Acting
Title

7-27-94
Date

Naval Magazine Lualualei
Activity

6. In-Service Engineering Workload, continued N/A

6.3 Provide details of the calculations used to complete Table 6.2, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased in-service engineering workload at this activity.

6.4 Table 6.7, on following page, may be used as a worksheet for the following questions. Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform in-service engineering workload? What other investments in the industrial infrastructure would you make to increase in-service engineering capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

6.5 Are there any ultimate and overriding limiting factors to expansion of this activity's in-service engineering workload? If so, what are they?

6.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance in-service engineering at this activity (AICUZ encroachment, pollutant discharge, etc)?

Mission Area**7. Technical Support N/A**

7.1 Identify the workload executed in or programmed to be accomplished in ordnance Technical Support for the period requested. Do *not* include In-Service Engineering in the workload reported below. Complete Tables 7.1.a-b using the product mix as executed and programmed to be executed.

Table 7.1.a: Historic and Predicted Technical Support

Program Element	Throughput (DLMHs)							
	FY 1986	FY 1987	FY 1989	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Mines								
Torpedoes								
Air Launched Threat								
Surface Launched Threat								
Other Threat								
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (upto 50 cal)								
LOE: Pyro/Demo								
Grenades / Mortars / Projectiles								
Other (specify)								

7. Technical Support, continued N/A

Table 7.1.b: Historic and Predicted Technical Support

Program Element	Throughput (DLMHs)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines								
Torpedoes								
Air Launched Threat								
Surface Launched Threat								
Other Threat								
Expendables								
INERT								
CADs/PADs								
Strategic Nuclear								
Tactical Nuclear								
LOE: Rockets								
LOE: Bombs								
LOE: Gun Ammo (20mm-16")								
LOE: Sm Arms (upto 50 cal)								
LOE: Pyro/Demo								
Grenades / Mortars / Projectiles								
Other (specify)								

7. Technical Support, continued N/A

7.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient demand is available to justify maximum hiring, optimum procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which this activity could expand the technical support conducted, based on the current and future planned workload mixes? Please provide your response in the absolute number of DLMHs that could be accomplished at this facility. Report depot-level maintenance as a separate line from intermediate and below level maintenance.

Table 7.2: Maximum Potential Technical Support

Program Element	DLMHs						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Mines							
Torpedoes							
Air Launched Threat							
Surface Launched Threat							
Other Threat							
Expendables							
INERT							
CADs/PADs							
Strategic Nuclear							
Tactical Nuclear							
LOE: Rockets							
LOE: Bombs							
LOE: Gun Ammo (20mm-16")							
LOE: Sm Arms (upto 50 cal)							
LOE: Pyro/Demo							
Grenades / Mortars / Projectiles							
Other (specify)							

7. Technical Support, continued N/A

7.3 Provide details of the calculations used to complete Table 7.2, including assumptions on additional space utilized, major equipment required, production rates, and constraint that limit increased technical support workload at this activity.

7.4 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform technical support workload? What other investments in the industrial infrastructure would you make to increase technical support capabilities? Describe quantitatively how the changes above would increase your activity's capabilities. What would the associated costs be? What would be the payback period and return on investment?

7.5 Are there any ultimate and overriding limiting factors to expansion of this activity's technical support workload? If so, what are they?

7.6 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of ordnance technical support at this activity (AICUZ encroachment, pollutant discharge, etc)?

Features and Capabilities

8. Stowage Facilities

8.1 List by facility number each weapon storage facility under the cognizance of this activity. Use separate tables for each location and magazine type, e.g. main base will have a table for igloo facilities and another for box magazines.

- Identify the current rated condition of each facility (Adequate/Inadequate/Substandard), its total square footage and if it is equipped with environmental controls.
- Is this facility currently used for weapons storage? If yes, what type of ordnance, from the commodity types previously listed, is currently stowed here?
- If ordnance is currently stowed in the facility, identify the reason(s) for which this ordnance is stowed at your facility from the following list: own activity use (training); own activity use (operational stock); Receipt/Segregation/Stowage/Issue (RSSI); transshipment/awaiting issue; deep stow (war reserve); awaiting Demil; other. Explain each "other" entry in the space provided, including ordnance stowed which is not a DON asset.

Table 8.1: Stowage Facility Conditions

Site/Magazine Type: Lualualei-Box

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A/I/S	KSF				
158	A	0.5	No	Yes	LOE-Gun	PWR
159	A	0.5	No	Yes	Gren/Mort/Projo	RSSI-Army
54	A	5.76	No	Yes	INERT	RSSI-DON
55	A	5.76	No	Yes	INERT	RSSI-DON
56	A	5.76	No	Yes	INERT	RSSI-DON
F101	A	10	No	Yes	INERT	RSSI-DON
E101	A	5	No	Yes	LOE-Gun	RSSI-DON
E102	A	5	No	Yes	LOE-Gun	RSSI-DON
E103	A	5	No	Yes	LOE-Pyro/Demo	RSSI-DON
E104	A	5	No	Yes	LOE-Gun	RSSI-DON
E105	A	5	No	Yes	LOE-Gun	RSSI-Army
E106	A	5	No	Yes	LOE-Gun	RSSI-DON
E107	A	5	No	Yes	LOE-Gun	RSSI-DON

A103	A	5	No	Yes	LOE-Small Arms	RSSI-DON
A104	A	5	No	Yes	LOE-Pyro/Demo	RSSI-DON
A105	A	5	No	Yes	LOE-Pyro/Demo	RSSI-DON
A106	A	5	No	Yes	LOE-Gun	RSSI-Army
A107	A	5	Yes	Yes		RSSI-DON
A108	A	5	No	Yes	Gren/Mort/Projo	RSSI-Army
A109	A	5	No	Yes	LOE-Gun	RSSI-DON
A110	A	5	No	Yes	LOE-Gun	RSSI-DON
A111	A	5	No	Yes	LOE-Gun	RSSI-DON
104	A	5	No	Yes	LOE-Gun	RSSI-Army
105	A	5	No	Yes	LOE-Gun	RSSI-Army
106	A	5	No	Yes	LOE-Small Arms	RSSI-Army
107	A	5	No	Yes	LOE-Gun	RSSI-Army
108	A	5	No	Yes	LOE-Gun	RSSI-Army
101	A	5	Yes	Yes	LOE-Gun	RSSI-Army
102	A	5	No	Yes	LOE-Gun	RSSI-DON
116	A	5	No	Yes	LOE-Gun	RSSI-Army
117	A	5	No	Yes	LOE-Gun	RSSI-DON
118	A	5	No	Yes	LOE-Gun	RSSI-DON
109	A	5	No	Yes	LOE-Gun	PWR
120	A	5	No	Yes	LOE-Gun	RSSI-Army
121	A	5	No	Yes	LOE-Gun	RSSI-Army
123	A	8.1	No	Yes	LOE-Small Arms	RSSI-DON
124	A	8.1	No	Yes	LOE-Small Arms	RSSI-Army
D121	A	10	No	Yes	INERT	RSSI-Army
G101	A	5	No	Yes	Gren/Mort/Projo	RSSI-Army

G102	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
G103	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
G104	A	5	No	Yes	LOE-Gun	PWR
G105	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
G106	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
G107	A	5	No	Yes	Gren/Mort/Projo	RSSI-Army
B103	A	5	No	Yes	LOE-Gun	RSSI-DON
B104	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
B105	A	5	No	Yes	LOE-Gun	RSSI-Army
B106	A	5	No	Yes	LOE-Gun	RSSI-DON
B107	A	5	No	Yes	LOE-Small Arms	RSSI-DON
B108	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
B109	A	5	No	Yes	LOE-Gun	PWR
B110	A	5	No	Yes	LOE-Pyro/Demo	RSSI-DON
B111	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
S8	A	5.76	No	Yes	INERT	RSSI-DON
S9	A	5.76	No	Yes	INERT	RSSI-DON
S10	A	5.76	No	Yes	INERT	RSSI-DON
S11	A	5.76	No	Yes	INERT	RSSI-DON
S12	A	5.76	No	Yes	INERT	RSSI-DON
211	A	1.408	No	Yes	Gren/Mort/Projo	RSSI-DON
212	A	1.408	No	Yes	LOE-Pyro/Demo	RSSI-DON
213	A	1.408	No	Yes	Gren/Mort/Projo	RSSI-Army
214	A	1	No	Yes	LOE-Rocket	RSSI-Army
215	A	2	No	Yes	LOE-Rocket	RSSI-DON
216	A	2	No	Yes	INERT	RSSI-DON

217	A	1	No	Yes	INERT	RSSI-DON
221	A	1	No	Yes	INERT	RSSI-DON
455	A	0.9	No	Yes	INERT	RSSI-DON
454	A	0.9	No	Yes	INERT	RSSI-DON
457	A	0.9	No	Yes	INERT	RSSI-DON
456	A	0.9	No	Yes	INERT	RSSI-DON
459	A	0.9	No	Yes	INERT	RSSI-DON
458	A	0.9	No	Yes	INERT	RSSI-DON
158	A	0.5	No	Yes	LOE-Gun	PWR
159	A	0.5	No	Yes	Gren/Mort/Projo	RSSI-Army
54	A	5.76	No	Yes	INERT	RSSI-DON
55	A	5.76	No	Yes	INERT	RSSI-DON
56	A	5.76	No	Yes	INERT	RSSI-DON
F101	A	10	No	Yes	INERT	RSSI-DON
E101	A	5	No	Yes	LOE-Gun	RSSI-DON
E102	A	5	No	Yes	LOE-Gun	RSSI-DON
E103	A	5	No	Yes	LOE-Pyro/Demo	RSSI-DON
E104	A	5	No	Yes	LOE-Gun	RSSI-DON
E105	A	5	No	Yes	LOE-Gun	RSSI-Army
E106	A	5	No	Yes	LOE-Gun	RSSI-DON
E107	A	5	No	Yes	LOE-Gun	RSSI-DON
A103	A	5	No	Yes	LOE-Small Arms	RSSI-DON
A104	A	5	No	Yes	LOE-Pyro/Demo	RSSI-DON
A105	A	5	No	Yes	LOE-Pyro/Demo	RSSI-DON
A106	A	5	No	Yes	LOE-Gun	RSSI-Army
A107	A	5	Yes	Yes		RSSI-DON
A108	A	5	No	Yes	Gren/Mort/Projo	RSSI-Army
A109	A	5	No	Yes	LOE-Gun	RSSI-DON

A110	A	5	No	Yes	LOE-Gun	RSSI-DON
A111	A	5	No	Yes	LOE-Gun	RSSI-DON
104	A	5	No	Yes	LOE-Gun	RSSI-Army
105	A	5	No	Yes	LOE-Gun	RSSI-Army
106	A	5	No	Yes	LOE-Small Arms	RSSI-Army
107	A	5	No	Yes	LOE-Gun	RSSI-Army
108	A	5	No	Yes	LOE-Gun	RSSI-Army
101	A	5	Yes	Yes	LOE-Gun	RSSI-Army
102	A	5	No	Yes	LOE-Gun	RSSI-DON
116	A	5	No	Yes	LOE-Gun	RSSI-Army
117	A	5	No	Yes	LOE-Gun	RSSI-DON
118	A	5	No	Yes	LOE-Gun	RSSI-DON
109	A	5	No	Yes	LOE-Gun	PWR
120	A	5	No	Yes	LOE-Gun	RSSI-Army
121	A	5	No	Yes	LOE-Gun	RSSI-Army
123	A	8.1	No	Yes	LOE-Small Arms	RSSI-DON
124	A	8.1	No	Yes	LOE-Small Arms	RSSI-Army
D121	A	10	No	Yes	INERT	RSSI-Army
G101	A	5	No	Yes	Gren/Mort/Projo	RSSI-Army
G102	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
G103	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
G104	A	5	No	Yes	LOE-Gun	PWR
G105	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
G106	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
G107	A	5	No	Yes	Gren/Mort/Projo	RSSI-Army
B103	A	5	No	Yes	LOE-Gun	RSSI-DON

B104	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
B105	A	5	No	Yes	LOE-Gun	RSSI-Army
B106	A	5	No	Yes	LOE-Gun	RSSI-DON
B107	A	5	No	Yes	LOE-Small Arms	RSSI-DON
B108	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
B109	A	5	No	Yes	LOE-Gun	PWR
B110	A	5	No	Yes	LOE-Pyro/Demo	RSSI-DON
B111	A	5	No	Yes	Gren/Mort/Projo	RSSI-DON
S8	A	5.76	No	Yes	INERT	RSSI-DON
S9	A	5.76	No	Yes	INERT	RSSI-DON
S10	A	5.76	No	Yes	INERT	RSSI-DON
S11	A	5.76	No	Yes	INERT	RSSI-DON
S12	A	5.76	No	Yes	INERT	RSSI-DON
211	A	1.408	No	Yes	Gren/Mort/Projo	RSSI-DON
212	A	1.408	No	Yes	LOE-Pyro/Demo	RSSI-DON
213	A	1.408	No	Yes	Gren/Mort/Projo	RSSI-Army
214	A	1	No	Yes	LOE-Rocket	RSSI-Army
215	A	2	No	Yes	LOE-Rocket	RSSI-DON
216	A	2	No	Yes	INERT	RSSI-DON
217	A	1	No	Yes	INERT	RSSI-DON
221	A	1	No	Yes	INERT	RSSI-DON
455	A	0.9	No	Yes	INERT	RSSI-DON
454	A	0.9	No	Yes	INERT	RSSI-DON
457	A	0.9	No	Yes	INERT	RSSI-DON
456	A	0.9	No	Yes	INERT	RSSI-DON
459	A	0.9	No	Yes	INERT	RSSI-DON

458	A	0.9	No	Yes	INERT	RSSI-DON
F102	S	10	No	Yes	INERT	RSSI-DON
J101	S	9.6	No	Yes	INERT	RSSI-Army
J102	S	9.6	No	Yes	LOE-Pyro/Demo	RSSI-DON
J104	S	9.6	No	Yes	LOE-Pyro/Demo	RSSI-DON
J104	S	9.6	No	Yes	LOE-Pyro/Demo	RSSI-DON
J105	S	9.6	No	Yes	INERT	RSSI-DON
J106	S	9.6	No	Yes	INERT	RSSI-DON
J107	S	9.6	No	Yes	INERT	RSSI-DON
J108	S	9.6	No	Yes	INERT	RSSI-DON
J109	S	9.6	No	Yes	INERT	RSSI-DON
F102	S	10	No	Yes	INERT	RSSI-DON
J101	S	9.6	No	Yes	INERT	RSSI-Army
J102	S	9.6	No	Yes	LOE-Pyro/Demo	RSSI-DON
J104	S	9.6	No	Yes	LOE-Pyro/Demo	RSSI-DON
J104	S	9.6	No	Yes	LOE-Pyro/Demo	RSSI-DON
J105	S	9.6	No	Yes	INERT	RSSI-DON
J106	S	9.6	No	Yes	INERT	RSSI-DON
J107	S	9.6	No	Yes	INERT	RSSI-DON
J108	S	9.6	No	Yes	INERT	RSSI-DON
J109	S	9.6	No	Yes	INERT	RSSI-DON

Site/Magazine Type: Lualualei-Arch

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A/I/S	KSF				
281	A	1.408	No	Yes	Gren/Mort/Projo	RSSI-DON
282	A	1.408	No	Yes	Gren/Mort/Projo	RSSI-DON
283	A	1.25	No	No		RSSI-DON
284	A	1.25	No	Yes	LOE-Gun	RSSI-Army
285	A	1.25	No	Yes	LOE-Small Arms	RSSI-Army
2151	A	2	No	Yes	Mines-Land	RSSI-Army
2152	A	2	No	Yes	LOE-Gun	RSSI-Army
2153	A	2	No	Yes	LOE-Gun	RSSI-Army
2154	A	2	No	Yes	LOE-Gun	RSSI-Army
2155	A	2	No	Yes	LOE-Gun	RSSI-Army
286	A	1.25	No	Yes	LOE-Pyro/Demo	RSSI-DON
287	A	1.25	No	Yes	Gren/Mort/Projo	RSSI-DON
2156	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
2157	A	2	No	Yes	LOE-Pyro/Demo	RSSI-Army
2158	A	2	No	Yes	LOE-Gun	RSSI-Army
2159	A	2	No	Yes	Gren/Mort/Projo	PWR
1510	A	2	No	Yes	LOE-Gun	PWR
1511	A	2	No	Yes	LOE-Pyro/Demo	RSSI-Army
1512	A	2	No	Yes	LOE-Pyro/Demo	RSSI-Army
1513	A	2	No	Yes	LOE-Gun	RSSI-Army
2910	A	1.408	No	Yes	LOE-Gun	PWR
2911	A	2	No	Yes	LOE-Pyro/Demo	PWR
2912	A	2	No	Yes	Gren/Mort/Projo	RSSI-Army

291	A	1	No	Yes	LOE-Pyro/Demo	RSSI-DON
292	A	1	No	Yes	LOE-Pyro/Demo	RSSI-DON
293	A	1	No	Yes	LOE-Pyro/Demo	RSSI-DON
294	A	1	No	Yes	LOE-Pyro/Demo	RSSI-Army
295	A	1	No	Yes	LOE-Pyro/Demo	RSSI-Army
296	A	1	No	Yes	Expendables	RSSI-DON
297	A	1	No	Yes	LOE-Pyro/Demo	RSSI-DON
298	A	2	No	Yes	LOE-Gun	PWR
299	A	2	No	Yes	LOE-Small Arms	RSSI-Army
2101	A	1	No	Yes	Mines-Land	RSSI-Army
2102	A	1	No	Yes	LOE-Pyro/Demo	RSSI-DON
2103	A	1	No	Yes	LOE-Pyro/Demo	RSSI-DON
2104	A	1	No	Yes	LOE-Rocket	RSSI-DON
2105	A	1	No	Yes	LOE-Pyro/Demo	RSSI-DON
2106	A	1	No	Yes	Mines-Land	RSSI-DON
2107	A	1	No	Yes	Mines-Land	RSSI-DON
2108	A	2	No	Yes	LOE-Pyro/Demo	RSSI-Army
2109	A	2	No	Yes	Mines-Land	RSSI-DON
1010	A	2	No	Yes	Other Threat	PWR
2131	A	2	No	Yes	Other Threat	PWR
2132	A	2	No	Yes	LOE-Rocket	RSSI-DON
2133	A	2	No	Yes	Other Threat	RSSI-Army
2134	A	2	No	Yes	LOE-Rocket	RSSI-DON
2135	A	2	No	Yes	Other Threat	RSSI-Army
2136	A	2	No	Yes	Gren/Mort/Projo	PWR
2137	A	2	No	Yes	Other Threat	RSSI-Army
2138	A	2	No	Yes	Other Threat	RSSI-Army
2111	A	1	No	Yes	LOE-Pyro/Demo	RSSI-Army

2112	A	1	No	Yes	LOE-Pyro/Demo	RSSI-DON
2113	A	1	No	Yes	Other Threat	RSSI-Army
2114	A	1	No	Yes	Other Threat	RSSI-Army
2115	A	1	No	Yes	LOE: Pyro/Demo	RSSI-Army
2116	A	1	No	Yes	Gren/Mort/Projo	RSSI-DON
2117	A	1	No	Yes	Gren/Mort/Projo	RSSI-Army
2118	A	2	No	Yes	LOE-Pyro/Demo	PWR
2119	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
1110	A	2	No	Yes	LOE-Gun	RSSI-Army
1111	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
2141	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
2142	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
2143	A	2	No	No		RSSI-DON
2144	A	2	No	Yes	Gren/Mort/Projo	RSSI-Army
2145	A	2	No	Yes	Gren/Mort/Projo	RSSI-DON
2146	A	2	No	Yes	LOE-Rocket	RSSI-Army
2147	A	2	No	Yes	Gren/Mort/Projo	PWR
231	A	1	No	Yes	Gren/Mort/Projo	RSSI-DON
232	A	1	No	Yes	Other Threat	PWR
233	A	1	No	Yes	LOE-Pyro/Demo	RSSI-DON
237	A	2	No	Yes	LOE-Pyro/Demo	RSSI-Army
234	A	1	No	Yes	Gren/Mort/Projo	RSSI-Army
235	A	1	No	Yes	LOE-Pyro/Demo	RSSI-Army
236	A	1	No	Yes	LOE-Gun	PWR
241	A	2	No	Yes	Gren/Mort/Projo	PWR
242	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
243	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
244	A	2	No	Yes	Mines-Land	RSSI-DON

245	A	2	No	Yes	Gren/Mort/Projo	RSSI-DON
246	A	2	No	Yes	LOE:Gun	RSSI-Army
247	A	2	No	Yes	LOE-Pyro/Demo	RSSI-Army
251	A	2	No	Yes	LOE-Pyro/Demo	RSSI-Army
252	A	2	No	Yes	LOE:Gun	PWR
253	A	2	No	Yes	Mines-Land	RSSI-Army
254	A	2	No	Yes	Other Threat	RSSI-DON
255	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
256	A	2	No	Yes	Other Threat	PWR
257	A	2	No	Yes	LOE:Gun	RSSI-Army
261	A	2	No	Yes	Other Threat	PWR
262	A	2	No	Yes	LOE-Pyro/Demo	PWR
263	A	2	No	Yes	LOE:Gun	PWR
264	A	2	No	Yes	Gren/Mort/Projo	RSSI-DON
265	A	2	No	Yes	LOE-Pyro/Demo	RSSI-Army
266	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
267	A	2	Yes	Yes	Gren/Mort/Projo	RSSI-Army
2121	A	2	No	Yes	Gren/Mort/Projo	RSSI-Army
2122	A	2	No	Yes	LOE-Pyro/Demo	PWR
2123	A	2	No	Yes	Other Threat	PWR
2124	A	2	No	Yes	Other Threat	PWR
2125	A	2	No	Yes	Gren/Mort/Projo	RSSI-DON
2126	A	2	No	Yes	Other Threat	PWR
2127	A	2	No	No		PWR
2128	A	2	No	Yes	Other Threat	PWR
2129	A	2	No	Yes	Other Threat	PWR
1210	A	2	Yes	Yes	Other Threat	PWR
152	A	0.5	No	Yes	Expendables	RSSI-DON

157	A	0.5	No	Yes	LOE-Pyro/Demo	RSSI-DON
151	A	0.5	No	Yes	LOE-Pyro/Demo	RSSI-DON
156	A	0.5	No	Yes	LOE-Small Arms	RSSI-Army
150	A	0.14	No	No		RSSI-DON
155	A	0.5	No	Yes	Gren/Mort/Projo	RSSI-DON
132	A	0.14	No	Yes	Other Threat	RSSI-DON
154	A	0.5	No	No		RSSI-DON
153	A	0.5	No	Yes	LOE-Pyro/Demo	RSSI-DON
125	A	0.14	No	Yes	Other Threat	RSSI-DON
126	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
127	A	0.14	No	No		RSSI-DON
128	A	1.25	No	Yes	LOE-Pyro/Demo	RSSI-DON
129	A	1.25	No	Yes	CADs/PADs	RSSI-DON
130	A	0.14	No	Yes	Expendables	RSSI-DON
160	A	0.5	No	Yes	LOE-Small Arms	RSSI-Army
131	A	0.14	No	Yes	Other Threat	RSSI-Army
133	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
134	A	0.14	No	Yes	Expendables	RSSI-DON
135	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
136	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-Army
137	A	0.14	No	Yes	Expendables	RSSI-DON
138	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
139	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
140	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
141	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
142	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
143	A	0.14	No	No		RSSI-DON

144	A	0.14	No	No		RSSI-DON
145	A	0.14	No	No		RSSI-DON
146	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
147	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
148	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
149	A	0.14	No	Yes	LOE-Pyro/Demo	RSSI-DON
101A	A	2	No	Yes	LOE-Small Arms	RSSI-DON
101B	A	2	No	Yes	LOE-Small Arms	RSSI-DON
101C	A	2	No	Yes	LOE-Bomb	RSSI-DON
102A	A	2	No	Yes	LOE-Bomb	RSSI-DON
102B	A	2	No	Yes	LOE-Small Arms	RSSI-DON
102C	A	2	No	Yes	LOE-Gun	RSSI-DON
103A	A	2	No	Yes	LOE-Gun	RSSI-DON
103B	A	2	No	Yes	LOE-Gun	PWR
103C	A	2	No	Yes	LOE-Gun	RSSI-Army
104A	A	2	No	Yes	LOE-Small Arms	RSSI-DON
104B	A	2	No	Yes	LOE-Small Arms	RSSI-DON
104C	A	2	No	Yes	LOE-Small Arms	RSSI-DON
105A	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
105B	A	2	No	Yes	LOE-Gun	RSSI-Army
105C	A	2	No	Yes	LOE-Gun	RSSI-Army
106A	A	2	No	Yes	LOE-Rocket	RSSI-Army
106B	A	2	No	Yes	LOE-Small Arms	RSSI-Army
106C	A	2	No	Yes	Gren/Mort/Projo	RSSI-Army

107A	A	2	No	Yes	LOE-Small Arms	RSSI-DON
107B	A	2	No	Yes	Gren/Mort/Projo	RSSI-DON
107C	A	2	No	Yes	LOE-Gun	RSSI-DON
108A	A	2	No	Yes	LOE-Gun	RSSI-DON
108B	A	2	No	Yes	LOE-Gun	RSSI-DON
108C	A	2	No	Yes	LOE-Gun	RSSI-DON
109A	A	2	No	Yes	LOE-Gun	RSSI-Army
109B	A	2	No	Yes	LOE-Gun	PWR
109C	A	2	No	Yes	LOE-Gun	RSSI-Army
110A	A	2	No	Yes	LOE-Gun	PWR
110B	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
110C	A	2	No	Yes	LOE-Small Arms	RSSI-Army
111A	A	2	No	Yes	LOE-Pyro/Demo	RSSI-DON
111B	A	2	No	Yes	Gren/Mort/Projo	RSSI-DON
111C	A	2	No	Yes	Gren/Mort/Projo	RSSI-DON
222	A	1	No	Yes	INERT	RSSI-DON
223	A	1	No	Yes	INERT	RSSI-DON
224	A	1	No	Yes	INERT	RSSI-DON
225	A	1	No	Yes	INERT	RSSI-Army
226	A	1	No	Yes	INERT	RSSI-Army
227	A	1	No	Yes	INERT	RSSI-Army
271	A	1	No	Yes	Gren/Mort/Projo	RSSI-Army
272	A	1	No	Yes	LOE-Gun	RSSI-Army
2713	A	2	No	Yes	LOE-Gun	RSSI-DON
2714	A	2	No	Yes	LOE-Rocket	RSSI-DON
2715	A	2	No	Yes	LOE-Gun	RSSI-Army
2716	A	2	No	Yes	LOE-Gun	RSSI-Army

273	A	1	No	Yes	Gren/Mort/Projo	RSSI-Army
274	A	1	No	Yes	Gren/Mort/Projo	RSSI-DON
275	A	1	No	Yes	LOE-Small Arms	RSSI-Army
2710	A	2	No	Yes	LOE-Small Arms	RSSI-Army
2711	A	2	No	Yes	LOE-Gun	RSSI-DON
2712	A	2	No	Yes	LOE-Gun	RSSI-DON
276	A	1	No	Yes	LOE-Gun	PWR
277	A	1	No	Yes	LOE-Gun	PWR

Site/Magazine Type: West Loch-Box

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A/S	KSF				
219	A	0.14	No	Yes	LOE-Small Arms	RSSI-DON
220	A	1.25	No	Yes	Mines-Land	RSSI-DON
221	A	1.25	No	Yes	LOE-Pyro/Demo	RSSI-DON
583	A	5	No	Yes	Surf Threat	RSSI-DON
584	A	5	No	Yes	Surf Threat	RSSI-DON
574	A	5.335	No	Yes	LOE-Pyro/Demo	RSSI-DON
585	A	5	No	Yes	Surf Threat	RSSI-DON
7A	S	13.52	No	Yes	INERT	RSSI-DON
7B	S	13.52	No	Yes	INERT	RSSI-DON
7C	S	13.52	No	Yes	INERT	RSSI-DON
6A	S	13.52	No	Yes	INERT	RSSI-DON
6B	S	13.52	No	Yes	INERT	RSSI-DON
6C	S	13.52	No	Yes	INERT	RSSI-DON
222	S	1.25	No	Yes	LOE-Pyro/Demo	RSSI-DON
223	S	1.25	No	Yes	LOE-Small Arms	RSSI-DON
224	S	1.25	No	Yes	CADs/PADs	RSSI-DON
225	S	1.25	No	Yes	LOE-Small Arms	RSSI-DON
226	S	1.25	No	Yes	LOE-Small Arms	RSSI-DON
227	S	1.25	No	Yes	LOE-Pyro/Demo	RSSI-DON
228	S	1	No	Yes	LOE-Small Arms	RSSI-DON
229	S	1	No	Yes	LOE-Small Arms	RSSI-DON

230	S	1	No	Yes	LOE-Pyro/Demo	Own Use
231	S	1	No	Yes	LOE-Pyro/Demo	Own Use
K24	S	8	No	Yes	INERT	RSSI-DON
K23	S	8	No	Yes	INERT	RSSI-DON
K22	S	8	No	Yes	INERT	RSSI-DON
K21	S	8	No	Yes	INERT	RSSI-DON
K20	S	8	No	Yes	INERT	RSSI-DON
K33	S	8	No	Yes	INERT	RSSI-DON
K32	S	8	No	Yes	INERT	RSSI-DON
K31	S	8	No	Yes	INERT	RSSI-DON
K30	S	8	No	Yes	INERT	RSSI-DON
K19	S	8	No	Yes	INERT	RSSI-DON

Additional comments:

Site/Magazine Type: Waikele-Gallery

Facility Number	Condition		Environment Controls (Y / N)	Currently In Use? (Y / N)	Type of Ordnance Stowed	Reason for Stowage
	A/S	KSF				
A01	A	3.52	No	No	None	Para 8.4
A02	A	3.52	No	No	None	Para 8.4
A03	A	3.52	No	No	None	Para 8.4
A04	A	3.52	No	No	None	Para 8.4
A05	A	3.52	No	No	None	Para 8.4
A06	A	3.52	No	No	None	Para 8.4
A07	A	3.52	No	No	None	Para 8.4
A08	A	3.52	No	No	None	Para 8.4
A09	A	3.52	No	No	None	Para 8.4
A10	A	3.52	No	No	None	Para 8.4
A11	A	3.52	No	No	None	Para 8.4
A12	A	3.52	No	No	None	Para 8.4
A13	A	3.52	No	No	None	Para 8.4
A14	A	3.52	No	No	None	Para 8.4
A15	A	3.52	No	No	None	Para 8.4
A16	A	3.52	No	No	None	Para 8.4
A17	A	3.52	No	No	None	Para 8.4
A18	A	3.52	No	No	None	Para 8.4
A19	A	3.52	No	No	None	Para 8.4
A20	A	3.52	No	No	None	Para 8.4
A21	A	3.52	No	No	None	Para 8.4
A22	A	3.52	No	No	None	Para 8.4
A23	A	3.52	No	No	None	Para 8.4
A24	A	3.52	No	No	None	Para 8.4
A25	A	3.52	No	No	None	Para 8.4
A26	A	3.52	No	No	None	Para 8.4

A27	A	3.52	No	No	None	Para 8.4
A28	A	3.52	No	No	None	Para 8.4
A29	A	3.52	No	No	None	Para 8.4
A30	A	3.52	No	No	None	Para 8.4
A31	A	3.52	No	No	None	Para 8.4
A32	A	3.52	No	No	None	Para 8.4
A33	A	3.52	No	No	None	Para 8.4
B01	A	3.52	No	No	None	Para 8.4
B02	A	3.52	No	No	None	Para 8.4
B03	A	3.52	No	No	None	Para 8.4
B04	A	3.52	No	No	None	Para 8.4
B05	A	3.52	No	No	None	Para 8.4
B06	A	3.52	No	No	None	Para 8.4
B07	A	3.52	No	No	None	Para 8.4
B08	A	3.52	No	No	None	Para 8.4
B09	A	3.52	No	No	None	Para 8.4
B10	A	3.52	No	No	None	Para 8.4
B11	A	3.52	No	No	None	Para 8.4
B12	A	3.52	No	No	None	Para 8.4
B13	A	3.52	No	No	None	Para 8.4
114	A	0.65	No	No	None	Para 8.4
115	A	0.65	No	No	None	Para 8.4
116	A	0.65	No	No	None	Para 8.4
117	A	0.65	No	No	None	Para 8.4
118	A	0.65	No	No	None	Para 8.4
119	A	0.65	No	No	None	Para 8.4
120	A	0.65	No	No	None	Para 8.4
121	A	0.65	No	No	None	Para 8.4

C01	A	3.52	No	No	None	Para 8.4
C02	A	3.52	No	No	None	Para 8.4
C03	A	3.52	No	No	None	Para 8.4
C04	A	3.52	No	No	None	Para 8.4
C05	A	3.52	No	No	None	Para 8.4
C06	A	3.52	No	No	None	Para 8.4
C07	A	3.52	No	No	None	Para 8.4
C08	A	3.52	No	No	None	Para 8.4
C09	A	3.52	No	No	None	Para 8.4
C10	A	3.52	No	No	None	Para 8.4
C11	A	3.52	No	No	None	Para 8.4
C12	A	3.52	No	No	None	Para 8.4
C13	A	3.52	No	No	None	Para 8.4
C14	A	3.52	No	No	None	Para 8.4
C15	A	3.52	No	No	None	Para 8.4
C16	A	3.52	No	No	None	Para 8.4
C17	A	3.52	No	No	None	Para 8.4
C18	A	3.52	No	No	None	Para 8.4
C19	A	3.52	No	No	None	Para 8.4
C20	A	3.52	No	No	None	Para 8.4
D01	A	3.52	No	No	None	Para 8.4
D02	A	3.52	No	No	None	Para 8.4
D03	A	3.52	No	No	None	Para 8.4
D04	A	3.52	No	No	None	Para 8.4
D05	A	3.52	No	No	None	Para 8.4
D06	A	3.52	No	No	None	Para 8.4
D07	A	3.52	No	No	None	Para 8.4
D08	A	3.52	No	No	None	Para 8.4

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

Connie M. Chang
NAME (Please type or print)

Connie M. Chang
Signature

Environmental Engineer
Title

22 Jul 1994
Date

Environmental
Division

Staff Civil Engineer
Department

NAVMAG Lualualei
Activity

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BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

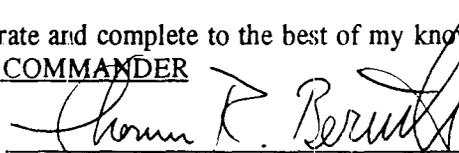
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

THOMAS R. BERNITT, CAPT, USN
NAME (Please type or print)


Signature

Commanding Officer
Title

21 OCT 94
Date

Naval Magazine Lualualei
Activity

R

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

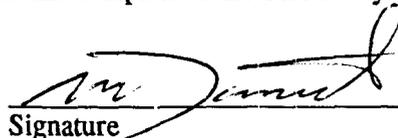
MARION DANIEL, LT, USN
NAME (Please type or print)
ADMINISTRATION OFFICER

Title

ADMINISTRATION DEPT.
Division

Department

NAVAL MAGAZINE LUALUALEI
Activity


Signature

07 OCT 94
Date

Enclosure (1)

R

BRAC-95 CERTIFICATION DATA CALL THIRTY THREE

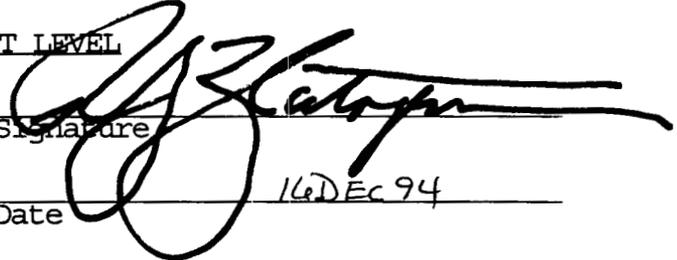
NAVAL MAGAZINE, LUALUALEI, REVISION #1

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. J. ZLATOPER
NAME

Signature



Commander In Chief
Title

Date

16 Dec 94

U. S. Pacific Fleet
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)
W.A. EARNER

NAME (Please type or print)

Signature



Title

Date

1/5/95

R

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

KENNETH MACDOWELL

NAME (Please type or print)

Kenneth Macdowell
Signature

Commanding Officer (Acting)

Title

2 DEC 94

Date

Naval Magazine Lualualei

Activity

Activity: 68297

**NAVAL WEAPONS STATIONS, NAVAL MAGAZINES,
AND STRATEGIC WEAPONS FACILITIES**

Primary Activity UIC: 68297

Mission Area

1 Ordnance Storage

1.1 How much (in tons and square feet (SF)) of approved explosive ordnance (magazine) storage exists at the facility?

Table 1.1: Ordnance Storage

	Present Storage		FY 2001	
	SF	Tons	SF	Tons
Total Storage **	1,195,947	29,029.5	1,195,947	29,029.5

1.2 What fraction of the available storage is in use and projected to be in use for the years indicated? (Note: Retain consistency with NAVSEAINST 8024.2, which indicates that 80% of the square feet in a magazine is effectively 100% full because of access and handling factors.)

Table 1.2: Fraction of Storage in Use

Ordnance Category	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1999	FY 2001
LOE	(1)	(1)	29.70	29.70	29.70	29.70	29.70	29.70	29.70
Threat	(1)	(1)	8.12	8.12	8.12	8.12	8.12	8.12	8.12
Nuclear	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Other	(1)	(1)	9.98	9.98	9.98	9.98	9.98	9.98	9.98
Total ***	(1)	(1)	47.80	47.80	47.80	47.80	47.80	47.80	47.80

** Total storage includes 427,600SF of magazine space at Waikele Branch. Data for Tons does not reflect Waikele Branch due to consolidation of ordnance assets to West Loch and Lualualei Branches.

*** Fraction storage in use does not include 427,600SF of magazine space at Waikele Branch after FY 1993.

Two confidential pages located in safe

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Activity: 68297

**NAVAL WEAPONS STATIONS, NAVAL MAGAZINES,
AND STRATEGIC WEAPONS FACILITIES**

Primary Activity-UIC: 68297

Mission Area

1 Ordnance Storage

1.1 How much (in tons and square feet (SF)) of approved explosive ordnance (magazine) storage exists at the facility?

Table 1.1: Ordnance Storage

	Present Storage		FY 2001	
	SF	Tons	SF	Tons
Total Storage	1,558,430	35,589	1,575,070	35,594

1.2 What fraction of the available storage is in use and projected to be in use for the years indicated? (Note: Retain consistency with NAVSEAINST 8024.2, which indicates that 80% of the square feet in a magazine is effectively 100% full because of access and handling factors.)

Table 1.2: Fraction of Storage in Use

Ordnance Category	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1999	FY 2001
LOE	(1)	(1)	29.70	29.70	29.70	29.70	29.70	29.70	29.70
Threat	(1)	(1)	8.12	8.12	8.12	8.12	8.12	8.12	8.12
Nuclear	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Other	(1)	(1)	9.98	9.98	9.98	9.98	9.98	9.98	9.98
Total	(1)	(1)	47.80	47.80	47.80	47.80	47.80	47.80	47.80

General notes for fraction of storage in use:

Data does not include Waikele Branch. IAW NAVSEAINST 8024.2, percentages in total are less than or equal to 80 percent.

Numbered notes for fraction of storage in use:

(1) Data not available.

(2) See Annex 1.

1 Ordnance Storage, continued

1.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to provide for ordnance storage? Highlight those that are "one of a kind" within the DON/DoD.

1. Naval Magazine Lualualei is the only ordnance receipt, storage, segregation and inspection (RSSI) facility to exclusively use a contractor to handle all ordnance assets.

2. Naval Magazine Lualualei is the only mid-Pacific storage facility for all DoD activities.

1.4 What percent of your total ordnance storage is performed for DON?

DON storage provided = 72 %

Note: Does not consider storage available at Waikele Branch.

1.5 What percent of your total ordnance storage is performed for commercial manufacturers, other Military Departments, or other DoD agencies? List these customers and percent utilization.

FMS effort = ≤1 %

Commercial effort = 0 %

Other Military Departments (Army) = 27 %

Other Military Department (Air Force) = ≤1 %

Other DoD Agencies (specify) = ≤1 %

Note: FMS and Air Force storage are usually For Further Transfer (FFT) material. U.S. Coast Guard material stored varies and is minimal.

Mission Area

2. Ordnance Outload Facility

2.1 What type of ordnance pierside outload facility (container, bulk/breakbulk or specialized) does the station, magazine, or facility operate and what type of vessel can be accommodated? In the table below mark with an "X" those operations at your facility. If your facility accommodates other vessels at anchorage, please note below.

Table 2.1: Outload Characteristics

	Container	Bulk/Break Bulk	Specialized
Amphibious	(1)	(1)	(1)
Combatant	X	X	X
CV/CVN	(2)	(2)	(2)
Submarines	X	X	X
CLF	X	X	X
Other Break Bulk	X	X	X
Container Ship	X	X	X
Other	X	X	X

General notes for outload characteristics:

Explosive anchorage can support ships not able to enter West Loch.

Numbered notes for outload characteristics:

(1) Amphibious vessels not normally serviced since there are no amphibious ships homeported in Hawaii. Amphibious ships less than 650 feet long and less than 35 foot draft can be loaded.

(2) CV/CVN's are constrained by draft and length from transiting West Loch channel. Transfers are completed using small boat or barge.

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Activity: 68297

2.2 What is the daily (single shift) throughput capacity of the facility in tons for each of the three major types of naval ordnance, i.e. LOE, Threat, Strategic? If your function measures throughput using another unit of measure, provide data in terms of tons in first and your unit of measure in a separate table (specify unit of measure).

Table 2.2: Maximum Daily Throughput

Ordnance Categories	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
LOE	(1)	(1)	350	350	350	350	350	350
Threat	(1)	(1)	300	300	300	300	300	300
Strategic	N/A							
Other	N/A	N/A	10	10	10	10	10	10
Total	(1)	(1)	660	660	660	660	660	660

"R"

General notes for maximum daily throughput:

Numbers reflect maximum daily throughput of ordnance which has been pre-staged at the on/offload facility.

Numbered notes for maximum daily throughput:

(1) Data not available.

(2) Other includes CADS/PADS, pyrotechnics, grenades, projectiles, land mines, mortars, and inert weapon shapes.

2.2 What is the daily (single shift) throughput capacity of the facility in tons for each of the three major types of naval ordnance, i.e. LOE, Threat, Strategic? If your function measures throughput using another unit of measure, provide data in terms of tons in first and your unit of measure in a separate table (specify unit of measure).

Table 2.2: Maximum Daily Throughput

Ordnance Categories	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
LOE	(1)	(1)	350	350	350	350	350	350
Threat	(1)	(1)	300	300	300	300	300	300
Strategic	N/A							
Other	N/A							
Total	(1)	(1)	650	650	650	650	650	650

General notes for maximum daily throughput:

Numbers reflect maximum daily throughput of ordnance which has been pre-staged at the on/offload facility.

Numbered notes for maximum daily throughput:

(1) Data not available.

2. Ordnance Outload Facility, continued

2.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to attain the above throughput? Specify those that are one of a kind within the DON/DoD.

1. Naval Magazine Lualualei is the only ordnance RSSI facility to exclusively use a contractor to handle ordnance.
2. Naval Magazine Lualualei is the only mid-Pacific loadpoint for transiting vessels.
3. Naval Magazine Lualualei is the only mid-Pacific Ordnance Facility which can conduct ship berthing and ammunition handling waiver free up to 3.25 million pounds net explosive weight.

2.4 At the maximum throughput levels documented above, and considering explosive quantity-distance constraints, how many ships by type (AEs/AOEs, Containerships, MSNAP breakbulk ships, etc.) can be berthed at your outload facility at one time (optimal configuration)?

Table 2.4: Maximum Outload by Ship Type

Type Ship	Maximum Number
AE	4
Containerships	3 (1)
Breakbulk ships	3 (1)

Numbered notes for maximum outload by ship type:

- (1) This assumes that the ships are not longer than 650 feet or have a draft greater than 35 feet.

2.5 If surface combatants and/or submarines outload at your facility, how many of each type can be loaded at one time (optimal configuration)?

Optimal Configuration =

- Wharf W-1: Berth 1 Surface Combatant (FF/FFG/DD)
- Wharf W-2: Berth 1 Surface Combatant (FF/FFG/DD)
- Wharf W-3: Berth 1 Surface Combatant (FF/FFG/DD)
- Wharf W-4: Berth 1 Surface Combatant (CG/DDG)
- Wharf W-5: Berth 1 Submarine

2.6 If the maximum throughput levels documented above were based on a combination of combatants and other vessels, identify the mix that provides for the maximum outload capability.

Maximum Outload Capability Vessel Mix =

- Wharf W-1: Breakbulk ship
- Wharf W-2: Container ship
- Wharf W-3: Surface Combatant (FF/FFG/DD)
- Wharf W-4: Surface Combatant (CG/DDG)
- Wharf W-5: Submarine

2. Ordnance Outload Facility, continued

2.7 Identify the number of vessels by type, out/downloaded by your activity in the period request (i.e. each trip to the pier = "1").

Table 2.7: Outload History

Vessel Type	FY 1991	FY 1992	FY 1993
Amphibious	(1)	1	2
Combatant	(1)	50	29
CV/CVN	(2)	(2)	(2)
Submarines	(1)	96	65
CLF	(1)	6	8
Other Break Bulk	(1)	(3)	(3)
Container Ship	(1)	6	8
Other	(1)	121	137
Total:	(1)	280	249

General notes for outload history:

CLF includes AE's. Other includes small boats, barges, and RORO.

Numbered notes for outload history:

- (1) Data not available.
- (2) CV/CVN's unable to pull into West Loch. Operations are performed with small boat or barge.
- (3) Container ships serviced also provided breakbulk stowage.

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2.8 What is the maximum daily (single shift) throughput capability at your facility, measured in *tons* as a function of ship type? Provide comments if the maximum throughput by ship type would be reduced if multiple ships are being accommodated simultaneously. Utilize the optimal configuration provided previously to indicate any impact of simultaneous operations.

Table 2.8: Outload History

Vessel Type	FY 1993	FY 1997	Comments
Amphibious	0	0	(1)(2)
Combatant	500	500	*(1)(2)
CV/CVN	(3)	(3)	(1)(2)
Submarines	61	61	** (1)(2)
CLF	660	660	(1)(2)
Other Break Bulk	200	200	*** (1)(2)
Container Ship	660	660	(1)(2)
Other	0	0	(1)(2)(3)
Total:	660#	660#	(1)(2)

"R"

General notes for outload history:

Numbers listed above utilize the maximum vessel capability numbers shown in section 2.6.

Numbered notes for outload history:

- (1) Numbers shown reflect potential capability with present work force
- (2) Simultaneous operations would reduce throughput without an increase in present workforce.
- (3) CV/CVN's unable to pull into West Loch. Operations are performed by barge or small boat.
- (4) Other would be considered RO/RO, small boat, and barge. Daily throughput figures would be misleading since small boats are limited by number of trips per shift. Barges vary widely and RO/RO's are loaded 2-3 weeks in advance. None of these reflect true tonnage loaded over one shift.

* Reflects loading of 4 Combatants

** Reflects loading of 2 Submarines

*** Reflects loading of 4 Break Bulk Ships

Column Total 2081

2.8 What is the maximum daily (single shift) throughput capability at your facility, measured in *tons* as a function of ship type? Provide comments if the maximum throughput by ship type would be reduced if multiple ships are being accommodated simultaneously. Utilize the optimal configuration provided previously to indicate any impact of simultaneous operations.

Table 2.8: Outload History

Vessel Type	FY 1993	FY 1997	Comments
Amphibious	0	0	(1)(2)
Combatant	500	500	(1)(2)
CV/CVN	(3)	(3)	(1)(2)
Submarines	61	61	(1)(2)
CLF	660	660	(1)(2)
Other Break Bulk	200	200	(1)(2)
Container Ship	660	660	(1)(2)
Other	0	0	(1)(2)(3)
Total:	2081	2081	(1)(2)

General notes for outload history:

Numbers listed above utilize the maximum vessel capability numbers shown in section 2.6.

Numbered notes for outload history:

(1) Numbers shown reflect potential capability with present work force

(2) Simultaneous operations would reduce throughput without an increase in present workforce.

(3) CV/CVN's unable to pull into West Loch. Operations are performed by barge or small boat.

(4) Other would be considered RO/RO, small boat, and barge. Daily throughput figures would be misleading since small boats are limited by number of trips per shift. Barges vary widely and RO/RO's are loaded 2-3 weeks in advance. None of these reflect true tonnage loaded over one shift.

Mission Area

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework

3.1 In the tables below identify the intermediate level maintenance and testing performed/programmed at your activity in number of units and Direct Labor Man Years(DLMY).

Table 3.1.a: Maintenance and Testing Performance (Units)

Ammunition/ Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	107	107	107	23	23	23*	23*	23*
Torpedoes (MK 48, Heavy weight)	496	450	349	255	333*	325*	356*	526*
Air Launched Threat								
Surface Launched Threat			93	106	10	70*	90*	90*
LOE								
Other(Sub Launched Threat			233	190	113*	175*	210*	210*
Other(Torpedo LWT MK 46)	280	509	509	546	509*	250*	250*	250*
Total	883	1,066	1,291	1,120	*988	*843	*929	*1,099

*: Estimated based on projected work load

R

Activity: 68297

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework, continued

Table 3.1.b: Maintenance and Testing Performance (DLMYs)

Ammunition/ Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	25.95	25.95	23.51	20.83	18.57	18.57	18.57	18.57
Torpedoes (MK 48, Heavy Weight)	149.17	115.71	84.52	84.52	109.82	107.74	118.04	174.40
Air Launched Threat	N/A							
Surface Launched Threat	N/A	N/A	.18	.24	.15	.23	.24	.24
LOE	N/A							
Other(Sub Launched Threat)	N/A	N/A	.74	.45	.53	.59	.95	.95
Other(Torpedo LWT MK 46)	20.30	20.31	20.31	23.36	18.77	11.65	11.65	11.63
Total	195.42	161.97	129.26	129.40	147.84	138.78	149.45	205.79

"R"

General Notes for Maintenance and Testing Performance (DLMY's):

- (1) Estimates are based on projected future workload. Man year computed based on a 42 work weeks per year, 40 hours per week, for total 1680 hours per man year.
- (2) Data based on the following calculations:

$$\frac{\# \text{ of man-hours needed to build X units}}{\# \text{ of man-hours per year (1680)}} = \text{Man Years}$$

Data for calculations from Table 4.1a thru d from Data Call 25.

3.2 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

Bldg 543 and 440, torpedo IMAs are designed to have OTTO fuel handling operations conducted in and around the facilities.

R

Activity: 68297

3. Throughput, continued

3.2 Identify the throughput in Tons for your facility as rated, as required under the operational conditions specified, and as executed or programmed for requested Fiscal Years. In determining your maximum rated capability, assume: (a) the current projected total workload and mix remains as assigned; (b) maximum personnel and equipment support are available; and (c) facility additions are limited to that MILCON already programmed. In distributing the overall ordnance requirement, choose the best configuration based on type of facilities available and predicted requirements. In the space provided below Table 3.2.a, detail the basis for your calculations of your maximum rated capability. If the Fiscal Years sampled in Table 3.2.b do not reflect your highest and lowest levels of activity for the period FY 1986-2001, add those years in the space provided.

Table 3.2.a: Throughput in Tons

		PIER	VERTREP	RAIL	TRUCK
Maximum Rated Capability	LOE	440	(1)	N/A	(2)
	Threat	220	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
Requirement (Peacetime Operations)	LOE	90	(1)	N/A	(2)
	Threat	46	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
Requirement (Mobilization)* (4)	LOE	585	(1)	N/A	(2)
	Threat	245	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)
Requirement (Sustainment)* (5)	LOE	570	(1)	N/A	(2)
	Threat	260	(1)	N/A	(2)
	Nuclear Threat	(3)	(3)	N/A	(3)

"R"

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework, continued

Table 3.1.b: Maintenance and Testing Performance (DLMYs)

Ammunition/ Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	24	24	21	19	17*	17*	17*	17*
Torpedoes (MK 48, Heavy Weight)	159.2	144.4	112.0	81.8	106.8*	104.3*	114.2*	168.8*
Air Launched Threat								
Surface Launched Threat			.205	.278	.171	.513*	.513*	.513*
LOE								
Other(Sub Launched Threat)			.877	.802	.785	.785*	.785*	.785*
Other(Torpedo LWT MK 46)	124	124	130	128	128*	126*	126*	126*
Total	307.20	292.40	264.08	229.88	252.76*	248.60*	258.50*	313.10*

*: Estimated based on projected work load. Man year computed based on a 42 work weeks per year, 40 hours per week, 1680 hours per man year.

3.2 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

BLDG 543 AND 440, TORPEDO IMAS ARE DESIGNED TO HAVE OTTO FUEL HANDLING OPERATIONS CONDUCTED IN AND AROUND FACILITY.

R

Activity: 68297

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework, continued

Table 3.1.b: Maintenance and Testing Performance (DLMYs)

Ammunition/ Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	25.95	25.95	23.51	20.83	18.57	18.57	18.57	18.57
Torpedoes (MK 48, Heavy Weight)	149.17	115.71	84.52	84.52	109.82	107.74	118.04	174.40
Air Launched Threat	N/A							
Surface Launched Threat	N/A	N/A	.18	.24	.15	.23	.24	.24
LOE	N/A							
Other(Sub Launched Threat)	N/A	N/A	.74	.45	.53	.59	.95	.95
Other(Torpedo LWT MK 46)	20.30	20.31	20.31	23.36	18.77	11.65	11.65	11.63
Total	195.42	161.97	129.26	129.40	147.84	138.78	149.45	205.79

General Notes for Maintenance and Testing Performance (DLMY's):

- (1) Estimates are based on projected future workload. Man year computed based on a 42 work weeks per year, 40 hours per week, for total 1680 hours per man year.
- (2) Data based on the following calculations:

$$\frac{\# \text{ of man-hours needed to build X units}}{\# \text{ of man-hours per year (1680)}} = \text{Man Years}$$

Data for calculations from Table 4.1a thru d from Data Call 25.

3.2 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

Bldg 543 and 440, torpedo IMAs are designed to have OTTO fuel handling operations conducted in and around the facilities. No permits, but we are licensed as a large quantity generator for hazardous waste.

"R"

(6 Oct 94)

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework, continued

3.3 What percent of your total maintenance and testing effort on ordnance is performed for: FMS, commercial manufacturers, other Military Departments, or other DoD agencies?

FMS effort = <1% for Torpedoes Heavyweight MK 48, <5% for Torpedoes Lightweight MK 46

Commercial effort = 0 %

Other Military Departments (Army) = 0%

Other Military Department (Air Force) = 0 %

Other DoD Agencies (specify) = 0 %

3.4 Identify in the table below the DLMYs expended in the RSSI process that are related to the rework and repair of ordnance (these hours should not be duplicated in Table 3.1 above).

Table 3.4: Rework and Repair Performance (DLMYs)

Ammunition/ Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	N/A							
Torpedoes								
Air Launched Threat								
Surface Launched Threat								
LOE								
Other								
Total								

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework, continued

3.5 Specify in the table below the type of depot maintenance performed/programmed on ordnance in DLMYs for the years requested.

Table 3.5: Level of Depot Maintenance

Type of Depot Maintenance	FY 1993	FY 1997
NOT APPLICABLE		

Mission Area

4. Packaging and Handling Equipment

4.1 For each type of packaging or handling equipment designed/manufactured and/or maintained/repared identify the number of DLMYs associated with that function.

Table 4.1: Packaging and Handling Workload

Packaging/ Handling Equipment Type	Design/Manufacturing				Maintenance/Repair			
	FY 1991	FY 1993	FY 1995	FY 1997	FY 1991	FY 1993	FY 1995	FY 1997
PALLETS (Torpedo Heavyweight MK48)	1.0	1.0	1.0	1.0				

4.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

Production of pallets to support transportation of MK 48 Heavyweight Torpedoes to and from the load point.

4. Packaging and Handling Equipment

4.3 What percent of the above work is performed for FMS, other Military Departments, commercial manufacturers, or other DOD agencies?

- FMS effort = 0 %
- Commercial effort = 0 %
- Other Military Departments (Army) = 0%
- Other Military Department (Air Force) = 0 %
- Other DoD Agencies (specify) = 0 %

Mission Area

5. Tactical and Strategic Nuclear Weapon Support

5.1 How many workyears are employed for strategic weapon support at your facility? How many workyears are planned for strategic weapon support through FY 1997?

Table 5.1: Tactical and Strategic Nuclear Weapon Support

Weapon System	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

Numbered notes for strategic and tactical nuclear weapons support:

(1) See Annex 1.

5.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the support work for the strategic weapon systems? Highlight those that are one of a kind within the DON/DoD.

See annex 1.

5.3 What alternatives exist for providing the support services e.g. another Navy activity, DoD agency, etc.? Explain.

6. Combat System Support

6.1 What combat systems or sub-systems are maintained at the weapon station/magazine/facility? What combat systems or sub-systems are planned to be maintained through FY 1997?

Table 6.1: Combat System Workload

Combat System	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
NOT Applicable								

6.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the maintenance work for combat systems or sub-systems? Highlight those that are one of a kind within the DON/DoD.

N/A

6.3 What alternatives exist for providing the combat system support services (e.g. another Navy activity, DoD agency, etc.)?

N/A

Mission Area

7. Publications Management and Distribution

7.1 Identify the work years expended/programmed to be expended in support of ordnance publications, instructions and documents promulgated and maintained by your activity, for the period requested.

Table 7.1: Publications Workload

Publication Types	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
OPs	3.563	3.563	3.563	3.563	3.563	3.563	3.563	3.563
JMEMs	N/A							
NWPs/MWIPs	.083	.083	.083	.083	.083	.083	.083	.083
MILSPECs	.101	.101	.101	.101	.101	.101	.101	.101
Standards	.126	.126	.126	.151	.151	.126	.126	.126
Instructions/Notes	3.052	3.052	3.052	3.09	3.19	3.09	3.09	3.09
Other	.126	.116	.116	.129	.129	.129	.129	.129
Total (Note 1)	7.05	7.04	7.04	7.12	7.22	7.09	7.09	7.09

7.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to maintain such publications? Highlight those that are one of a kind within the DON/DoD.

Note 1: MK 48 Heavyweight Torpedo IMA has two E6 personnel billeted for maintenance of the Technical Library. MOMAG has one dedicated billet for maintenance of publications. Total includes all data from MOMAG, MK 48 IMA, MK 46 IMA and Missile IMA.

7.3 What alternatives exist for providing the publication support services (e.g. another DON activity, Army or Air Force activity, DoD agency, NATO or other treaty agencies, etc.)?

None

Features and Facilities

8. Explosive Quantity Distance Factors

8.1 What restrictions or explosive quantity distance standard limitations apply to the handling of volatile or explosive products or for hot work on submarines, surface combatants, ammunition ships, or oilers on your station/magazine/facility at the piers/wharfs?

QD standard limitations: 3,250,000 lbs combined NEW for all berths at West Loch. No hot work allowed on vessels located alongside an ammunition pier if ammunition handling is being conducted or if ammunition is staged at the site as per OP 5.

8.2 What restrictions apply when moving munitions in quantity from the storage magazines to the outload facility?

None.

8.3 How many AEs, AORs, AOs, or AOE's can be berthed with nesting at your facility, simultaneously? Identify by each pier or wharf.

(9) AE's can be berthed at the whiskey piers with nesting. There is not enough depth or turning radius to berth AOR's, AO's, or AOE's.

Wharf W-1: Berth 3 AE (two nested)

Wharf W-2: Berth 3 AE (two nested)

Wharf W-4/5: Berth 1 AE (two nested)

8.4 How many surface combatants or nuclear submarines can be berthed with nesting at the weapon station, magazine, or facility, simultaneously? Identify by each pier or wharf.

Total of 15 surface combatants or submarines can be berthed 3 abreast at each pier. Only the inboard ships or submarines can be loaded without use of a floating crane.

Wharf W-1: Berth 3 surface combatants abreast (DD/FF/FFG)

Wharf W-2: Berth 3 surface combatants abreast (DD/FF/FFG)

Wharf W-3: Berth 3 surface combatants abreast (DD/FF/FFG)

Wharf W-4: Berth 3 surface combatants abreast (DDG/CG)

Wharf W-5: Berth 3 submarines abreast (SSN)

Features and Facilities

9. Availability and Condition

9.1 Identify, by three digit Category Code Number (CCN), *all facilities* at this activity, and their current condition and area in thousands of square feet (KSF). Duplicate the table as necessary to report all facilities of any tenants for whom your activity serves as host.

Lualualei Headquarters Branch

Table 9.1: Facility Conditions

CCN	Facility Type	Condition			Total
		Adequate	Substandard	Inadequate	
143	Operational	27738	6504	3192	37434
171	Training	140			140
216	Ammunition	47996	4096		52092
218	Misc Maintenance	7504	10200	7261	24965
219	Installation			11339	11339
421	Ammunition Storage	589230	6140		595370
441	Supply Storage		11050		11050
610	Administrative	9294	1500	40742	51536
730	Personnel Support	13035	5760	832	19627
740	MWR-Interior	1168	12987	720	14875
Activity TOTAL:		696105	58237	64086	818428

Activity: 68297

West Loch Branch

Table 9.1: Facility Conditions

CCN	Facility Type	Condition			Total
		Adequate	Substandard	Inadequate	
143	Operational	68608	39803	30544	138955
152	Wharves		2500 FB		2500 FB
159	Landing Craft Ramp		1 EA		1 EA
171	Training	15000	2880	16930	34810
212	Maintenance-Missiles	15890			15890
213	Maintenance-Ships			750	750
214	Maintenance-Automotive		5062	1490	6552
216	Maintenance-Ammunition	19310	30470	35543	85323
218	Maintenance-Misc		7096		7096
219	Maintenance-Repair			4250	4250
Activity TOTAL:		CONTINUED			

West Loch Branch (cont)

Table 9.1: Facility Conditions

CCN	Facility Type	Condition			Total
		Adequate	Substandard	Inadequate	
421	Ammunition Storage	71356	241269	40000	352625
425	Open Ammo Storage	6311			6311
610	Administrative	190		4695	4885
721	Unaccompanied Enlisted Hsg	34692		20680	55372
722	Unaccompanied Persnl Mess	5427		16720	22147
730	Pers Support	5289		12779	18068
740	MWR	6753		32550	39303
Activity TOTAL:		248826	326580	216931	792337

Note: Wharves and landing craft ramp not included in total area.

9. Availability and Condition, continued

9.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories in Table 9.1, above, where inadequate facilities are identified provide the following information:

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

Lualualei Branch

- a. Inadequate facilities in CCN 143, 218, 219, 610, 730, and 740.
- b. These facilities are inadequate due to condition. They have deteriorated due to age.
- c. Most of the facilities are no longer being used, or are being partially used for storage.
- d. The cost to upgrade the facilities to substandard is estimated to be \$3 million.
- e. The buildings can be used for storage and some types of training, or could be left vacant, at no additional expense.
- f. No improvement plans are in place for these facilities.
- g. This condition has not resulted in a C3 or C4 BASEREP rating.

West Loch Branch

- a. Inadequate facilities in CCN 171, 213, 214, 219, 610, 721, 722, 730, and 740.
- b. These facilities are inadequate due to their location. They are located within the Explosive Safety Quantity Distance (ESQD) arcs from ammunition storage and operational sites. Inhabited buildings within the ESQD arcs are prohibited except for those used for ordnance operations.
- c. Most of the facilities are no longer in use. The buildings which are in use are allowed by NAVSEA waiver until replacement facilities are available outside of ESQD arcs.
- d. The facilities cannot be upgraded, but would have to be relocated.
- e. These facilities can be used under a NAVSEA waiver. They can also be used for ordnance functions, or for storage.
- f. MCON project documentation has been submitted for replacement facilities outside of the ESQD arcs for those facilities which are still required. None of the projects are currently programmed.
- g. This condition has not resulted in a C3 or C4 BASEREP condition.

- a. Inadequate facilities in CCN 421 - Missile Magazines
- b. Inadequate due to facility design. Doors are too narrow for effective and efficient use to store long ordnance.
- c. These magazines are used to store long ordnance.
- d. Cost to upgrade to substandard is estimated to be \$720K each to add wider doors.
- e. These magazines could be used to store other ordnance items besides long ordnance, at no additional cost.
- f. FY98 MCON P-155 will provide two additional magazines which are suitable for storing long ordnance.
- g. This facility condition has not resulted in a C3 or C4 BASEREP designation.

- a. Inadequate facilities in CCN 143 and CCN 216.
- b. These facilities are inadequate due to condition. They have deteriorated due to age.
- c. Most of the facilities are no longer being used, or are being partially used for storage or occasional training operations.
- d. The cost to upgrade the facilities to substandard is estimated to be \$4 million.
- e. The buildings can be used for storage and some types of training, or could be left vacant, at no additional expense.
- f. No improvement plans are in place for these facilities.
- g. This condition has not resulted in a C3 or C4 BASEREP rating.

Waikale Branch

- a. Inadequate facilities in CCN 143 and CCN 425.
- b. These facilities are inadequate due to condition. They have deteriorated due to age.
- c. These facilities are very small and are no longer being used.
- d. The cost to upgrade the facilities to substandard is estimated to be \$400,000.
- e. The buildings can be used for storage or could be left vacant at no additional expense.
- f. No improvement plans are in place for these facilities.
- g. The condition has not resulted in a C3 or C4 BASEREP condition.

9.3 Identify if your activity has been prevented from performing any proposed or planned expansion, establishment of new arcs, or scheduled operations in the past five years due to unresolved restrictions.

None

Features and Facilities

10. Reserve Support Capabilities

10.1 List all reserve units (USNR, USMCR, USAFR, ANG, USAR, ARNG) that regularly train at your installation.

Table 10.1: Hosted Reserve Units

Reserve Unit	Training Function/Facilities Used
USNR	CONVENTIONAL WEAPONS/INTERMEDIATE MAINTENANCE ACTIVITY
USNR	EXPLOSIVE ORDNANCE DISPOSAL/EXPLOSIVE ORDNANCE DISPOSAL TRAINING AND EVALUATION UNIT ONE

10.2 For each USNR and USMCR unit that trains at your facility, provide the number of authorized billets and number of personnel actually assigned to the unit for the past three full fiscal years. Include both Selected Reserves (SELRES) and Training and Administration of Reserves (TAR) Navy/Full Time Support (FTS) Marine Corps reservists. Explain any reported differences between authorized and actual manning. Reproduce this table as necessary for each unit.

Table 10.2: Reserve Personnel

Unit: USNR	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	28	0	30	0	28	0	30	0	28	0	30	0
Officer	3	0	5	0	3	0	5	0	3	0	5	0

10.3 What is the outlook for your reserve training requirement for FY 1997?

10.4 Does your activity possess any specialized, unique or peculiar characteristics to facilitate the reserve training? All qualified Torpedo Technicians must assist in providing the following training to reservist. Costs

11. Investments

11.1. List the project number, description, funding year, and value of the *capital improvements at your base completed (beneficial occupancy) during FY 1988 to FY 1994*. Indicate if the capital improvement is a result of BRAC realignments or closures.

Table 11.1: Capital Improvement Expenditure

Project	Description	Fund Year	Value (\$K)
MCON P-111	Grading Between Security Fences	87	600
MCON P-126	Construct TOMAHAWK Maintenance Facility	87	2900
MCON P-129	Renovation For Mobile Mines	87	900
MCON P-105	Construct Hobby Shops	88	1100
MCON P-113	Install Security Fencing	88	1100

Project	Description	Fund Year	Value (\$K)
MCON P-127	Construct TOMAHAWK Shop	89	4300
MCON P-128	Construct TOMAHAWK Magazines	90	4600
C13-87	Construct Open Hold Area	90	129
C10-80	Construct Racketball Court	90	187
C9-80	Construct Tennis Court	90	109

Activity: 68297

Project	Description	Fund Year	Value (\$K)
MCON P-117	Relocate Power Lines Underground	91	917
MCON P-140	Contract MK50 Torpedo Maintenance Facility	92	4869
C3-91	Construct Ammunition Hold Area	92	144
C10-87	Physical Security Upgrades	92	125

11.2. List the project number, description, funding year, and value of the *non-BRAC related capital improvements planned* for years FY 1995 through FY 1997.

Table 11.2: Planned Capital Improvements

Project	Description	Fund Year	Value (\$K)
	None		

11. Investment, continued

11.3 List the project number, description, funding year, and value of the *BRAC related capital improvements planned* for FY 1995 through FY 1999.

Table 11.3: Planned BRAC Capital improvements

Project	Description	Fund Year	Value
	None		

11. Investment, continued

11.4 Identify by Investment Category Code and Name (e.g. 05-Training Facilities; 14-Administration) the actual investment at your activity, to include all MCON, maintenance and repair, installed equipment, and minor construction, in thousands of dollars (\$ K) over the period FY 1990 through FY 1994 for all your facilities. Report separately all other Class 2 equipment investments. The following table should include your responses to questions 11.1-11.3 above.

Table 11.4: Historic Investment Summary

Investment Category	\$ K
01-Aviation Operational	85
02-Communication Operational	8
03-Waterfront Operational	336
04-Other Operational	286
05-Training	107
08-Other Maintenance Production	11929
11-Ammunition Supply Storage	1688
12-Other Supply Storage	61
14-Administrative	1039
15-Troop Housing/Messing	748
16-Other Personnel Support	690
17-Utilities	2268
18-Real Estate and Grounds	9260
Equipment (other than Class 2)	0
Activity TOTAL	38505

11.5 What is the total planned investment, in thousands of dollars (\$ K), over the period FY 1995 through FY 2001?

Total planned Investments = \$41625 K

11. Investments, continued

11.6 Provide a list of all other documented major facility deficiencies not addressed in 11.1-11.3 (e.g. major repairs) and the estimated cost to rectify each at this activity. Identify the reduction in operating costs anticipated in relation to each deficiency correction.

Table 11.6: Facility Deficiencies

Deficiency	Cost to Correct (\$ K)	Result of Corrections
None		

Strategic Concerns

12. Stand Alone and Location Factors

12.1 Identify the support (police, fire protection, etc.) now that is now provided by a nearby base, station or activity and will be needed by your facility if that activity is closed.

Table 12.1: Support Facilities

Support	Currently Obtained from:	Needed if Host Closes?
Police	NAVMAG LLL SECURITY DET	YES
Security	NAVMAG LLL SECURITY DET	YES
Fire	NAVSTA PEARL HARBOR	YES
Cafeteria	MWR	YES
Parking	N/A	
Utilities	PWC PEARL HARBOR	YES
Child Care	N/A	

12.2 What is the distance in nautical miles and the average transit time from your activity to the open sea?

Distance = 6 NM

Transit Time = 45 Minutes

Note: This distance is from the ordnance handling wharves at West Loch branch.

12.3 List and indicate the distance in road-miles to Interstate Highways, airports of embarkation, seaports of embarkation, and cargo rail terminals.

Distance in Road Miles

From:	Lualualei	West Loch	Waikele	To: Interstate Highway
	8.54	5.2	2.5	H1
	8.33	5.63	5.63	H2
	22.58	13.87	11.17	H3

Airport of Embarkation

25.61	16.89	14.19	Honolulu Int'l Airport/Hickam Air Force Base
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Seaports of Embarkation

22.49	13.77	11.07	Pearl Harbor
30.61	20.89	18.19	Honolulu Harbor
31.71	21.99	19.29	Kewalo Basin
11.84	13.83	11.13	Barbers Point

12. Stand Alone and Location Factors, continued

12.4 Is your activity serviced by rail trackage providing direct access to the commercial rail network? No

If Yes, are you serviced by single or multiple tracks?

Single/Multiple (#)

If No, identify the distance in road-miles separating your activity from the nearest railhead/access.

Distance = N/A Miles

12.5 List the homeports within the service area of your facility and the distance to each.

Table 12.5: Proximity to Homeport

Homeport	Distance
PEARL HARBOR	6 NM

12.6 Identify the factors that limit access to your piers, i.e. bridge height restrictions, channel depth, turning basin constraints, etc. Identify by ship type the largest vessel that can gain access to your piers.

Table 12.6: Pier Access

Largest Vessel	Limiting Factors
Aegis Class Cruiser	35 Ft Draft/650 length

Strategic Concerns

13. Contingency and Mobilization Features

13.1 Identify the amount of storage space for explosives or munitions surplus to the planned need, expressed in square feet (SF) at your facility. (Note: For contingency and mobilization purposes, storage space includes revetments, railcars, barges, explosive holding yards, explosive anchorages and barricaded railroad sidyard.) Provide data for each category.

Table 13.1: Contingency/Mobilization Storage

Category of Space	Total SF	# of Units	Comment
Revetments	0	0	None
Railcars	0	0	None
Barges	0	0	None
Explosive Holding Yards	55,296	2	None
Explosive Anchorages	(2)	1	(1)
Barricaded Railroad Siding	5130	2	None
Other (specify)	0	0	None

Numbered notes for Contingency/mobilization storage:

(1) Explosive anchorage is not considered a storage site. NEW is limited to 70,000 lbs. The distance between explosive anchorage and West Loch Branch is too great for easy on/offload.

(2) An anchorage cannot be expressed in square feet.

13.2 What is the fraction and square footage of your excess to the total storage space that is or will be available at each location with the completion of the MILCON projects that have been awarded but are yet to be completed.

Fraction Excess = 0

Amount Excess = 0

13. Contingency and Mobilization Features, continued

13.3 What ship berthing by general class, may be available for naval ship berthing during holiday surge periods? Address available berthing for the CVN, SSBN, CG-52, LPD, and FFG classes, as a minimum. State answers in terms of the number of ships that can berthed without nesting. Information is only desired on ship berthing, that, if used for holiday surge berthing, will not interfere with ongoing or planned logistic loadouts or downloading. Also indicate the largest ship possible that can be berthed at each pier and wharf.

Due to safety regulations contained in OP 5, berthing of ships not actually involved in ordnance loading operations is not allowed.

The largest ship that can enter West Loch is limited to 650 foot length and 35 foot draft. A 1,000 foot and 1,500 foot wharf are available for berthing. These wharves are also the ordnance handling wharves.

13.4 Identify any HERO restrictions for operating radars and other sensors of Navy ships at your ordnance piers. Also identify any hot work restrictions or inhibitions against berthing POL or other ships with empty fuel tanks that are not gas-free.

HERO Restrictions: All ships shall secure at all times, all communications and radar transmissions, with the exception of satellite communication (SATCOM) when berthed at West Loch. No hot work allowed on vessels located alongside an ammunition pier if ammunition handling is being conducted or ammunition is staged at that site per OP 5. There are no restrictions against berthing POL or other ships with empty fuel tanks that are not gas free.

Strategic Concerns

14. Natural Inhibitors of Operations

14.1 Identify the percent of the planned work schedule at your facility for the period FY 1990-1993 (averaged by month) interrupted by local weather or climatic conditions (i.e., how many man-years are lost annually by month because of: thunder storm, hurricane, tornado, blizzard, below freezing conditions, earthquake or other performance-impinging natural condition?).

Table 14.1.a: Impact on Operations

	January	February	March	April	May	June
Average % Schedule Interrupted	3.22	0	0	0	0	0

Table 14.1.b: Impact on Operations

	July	August	September	October	November	December
Average % Schedule Interrupted	9.67	3.22	10	6.45	0	0

General notes for impact of weather upon operations:

Data shown is for CY 1993 only. Previous years' data not available to make average. Interruptions are considered to be thunderstorms, wind and hurricanes only.

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Activity: 68297

Environment and Encroachment

15. Environmental Considerations

15.1 Identify all environmental restrictions to expansion at your activity.

Environmental restrictions to expansion exist on a relatively small amount of the base land. These restrictions are as follows:

- a. 37 acres at the West Loch Branch are designated a wildlife refuge.
- b. Approximately 35 acres of shoreline at the West Loch Branch is wetland. Approximately 14 acres at the Lualualei Branch and 25 acres at the Waikele Branch are also wetlands.
- c. A fishpond at the West Loch Branch is on the National Register of Historic Places.
- d. Approximately 1 acre at the Lualualei Branch and 4 acres at the West Loch Branch are contaminated sites.
- e. Approximately 9 acres at the Lualualei Branch are archaeological sites.

15.2 Describe the undeveloped acreage or waterfront that is unique to the station or facility. Include any acreage that is suitable for industrial development.

Approximately 2800 acres of land at the West Loch Branch are available for development, including most of the shoreline. Any development of the waterfront would require replacing any wetland acreage lost. The land is flat and buildable. Much of the land is located within Explosive Safety Quantity Distance (ESQD) arcs from ordnance storage and operations areas. New facilities within the arcs are limited to those used for ordnance operations or storage, or are not routinely occupied.

Approximately 2000 acres of land at the Lualualei Branch are available for development. All but 80 acres are located within ESQD arcs from ordnance storage areas. New facilities within the arcs are limited to those used for ordnance storage or operations, or are not routinely occupied. The available land is mostly located on moderately sloping land adjacent to existing magazine groups.

15.3 Identify any specific facilities, programs, or capabilities in regard to the handling and disposal of hazardous materials/waste at your activity.

A program is in place for the turn in of excess hazardous materials and the disposal of hazardous waste. Excess hazardous materials are collected in a building for evaluation and disposition. Materials that cannot be reused become hazardous waste and are transferred to a 90-day accumulation site for disposal. Public Works Center, Pearl Harbor provides sampling, packaging, transportation and disposal services for hazardous waste. Otto fuel contaminated waste generated during torpedo maintenance activities is disposed of through a contract administered by Naval Undersea Warfare Center at Keyport, Washington.

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This Activity has no permits to store hazardous waste greater than 90 days.

Environment and Encroachment

15. Environmental Considerations

15.1 Identify all environmental restrictions to expansion at your activity.

Environmental restrictions to expansion exist on a relatively small amount of the base land. These restrictions are as follows:

- a. 37 acres at the West Loch Branch are designated a wildlife refuge.
- b. Approximately 35 acres of shoreline at the West Loch Branch is wetland. Approximately 14 acres at the Lualualei Branch and 25 acres at the Waikele Branch are also wetlands.
- c. A fishpond at the West Loch Branch is on the National Register of Historic Places.
- d. Approximately 1 acre at the Lualualei Branch and 4 acres at the West Loch Branch are contaminated sites.
- e. Approximately 9 acres at the Lualualei Branch are archaeological sites.

15.2 Describe the undeveloped acreage or waterfront that is unique to the station or facility. Include any acreage that is suitable for industrial development.

Approximately 2800 acres of land at the West Loch Branch are available for development, including most of the shoreline. Any development of the waterfront would require replacing any wetland acreage lost. The land is flat and buildable. Much of the land is located within Explosive Safety Quantity Distance (ESQD) arcs from ordnance storage and operations areas. New facilities within the arcs are limited to those used for ordnance operations or storage, or are not routinely occupied.

Approximately 2000 acres of land at the Lualualei Branch are available for development. All but 80 acres are located within ESQD arcs from ordnance storage areas. New facilities within the arcs are limited to those used for ordnance storage or operations, or are not routinely occupied. The available land is mostly located on moderately sloping land adjacent to existing magazine groups.

15.3 Identify any specific facilities, programs, or capabilities in regard to the handling and disposal of hazardous materials/waste at your activity.

A program is in place for the turn in of excess hazardous materials and the disposal of hazardous waste. Excess hazardous materials are collected in a building for evaluation and disposition. Materials that cannot be reused become hazardous waste and are transferred to a 90-day accumulation site for disposal. Public Works Center, Pearl Harbor provides sampling, packaging, transportation and disposal services for hazardous waste. Otto fuel contaminated waste generated during torpedo maintenance activities is disposed of through a contract administered by Naval Undersea Warfare Center at Keyport, Washington.

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Activity: 68297

16. Encroachment Considerations

16.1 Identify any ground, industrial noise, approach channel, waterway, harbor, bridge height, turning basin, Explosive Quantity Distance Standard (ESQD), HERO, and airspace encroachments of record at your activity.

Table 16.1: Encroachments of Record

Encroachment	Date Recorded	Current Status
None		

*Note: Residential development adjacent to the Waikele Branch prevents any expansion of ESQD arcs to outside of the base boundary, and thus prevents any increase in storage capacity at the branch. This fact was not listed as an encroachment of recorded on this table, because it is not an encroachment of record. The Navy's ESQD arcs do not extend onto adjacent land.

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Although the situation at Waikele is not an encroachment of record, it is a restriction to expansion of storage capacity at Waikele as was described in Item 9c of DC #33.

16. Encroachment Considerations

16.1 Identify any ground, industrial noise, approach channel, waterway, harbor, bridge height, turning basin, Explosive Quantity Distance Standard (ESQD), HERO, and airspace encroachments of record at your activity.

Table 16.1: Encroachments of Record

Encroachment	Date Recorded	Current Status
None		

Quality of Life

17. Military Housing - Family Housing

17.1 Do you have mandatory assignment to on-base housing? Yes/No

Yes, the Commanding Officer and Executive Officer are required to reside in designated quarters. Government quarters is otherwise insufficient to meet demand and mandatory assignment is not required.

17.2 For military family housing in your locale, provide the following information:

Table 17.2: Available Military Family Housing

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	6	6	0	0
Officer	3	8	8	0	0
Officer	1 or 2	0	0	0	0
Enlisted	4+	2	2	0	0
Enlisted	3	28	28	0	0
Enlisted	1 or 2	15	15	0	0
Mobile Homes		0	0	0	0
Mobile Home lots		0	0	0	0

17.3 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information.

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

17. Military Housing - Family Housing, continued

17.4 Complete the following table for the military housing waiting list. Report Number on list as of 31 March 1994.

Table 17.4: Military Housing Waiting List

Pay Grade	Number of Bedrooms	Number on List	Average Wait
O-6/7/8/9	1	*SEE NOTE	
	2		
	3		
	4+		
O-4/5	1		
	2		
	3		
	4+		
O-1/2/3/CWO	1		
	2		
	3		
	4+		
E7-E9	1		
	2		
	3		
	4+		
E1-E6	1		
	2		
	3		
	4+		

*NOTE: We are unable to give this information as assignment of quarters is controlled by the Oahu Consolidated Family Housing Office. No data is specifically available for Naval Magazine Lualualei.

17. Military Housing - Family Housing, continued

17.5 What do you consider to be the top five factors driving the demand for base housing? Does it vary by grade category? If so provide details.

Table 17.5: Housing Demand Factors

Top Five Factors Driving the Demand for Base Housing	
1	High cost of off-base housing
2	Security on-base
3	Close to work
4	Services provided to residents
5	

17.6 What percent of your family housing units have all the amenities required by "The Facility Planning & Design Guide" (Military Handbook 1190 & Military Handbook 1035-Family Housing)? 99%

17.7 Provide the utilization rate for family housing for FY 1993.

Table 17.7: Family Housing Utilization

Type of Quarters	Utilization Rate (%)
Adequate	99
Substandard	0
Inadequate	0

17.8 As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 98% (or vacancy over 2%), is there a reason?

- a. No
- b. N/A

Quality of Life

18. ~~Military Housing~~ - Bachelor Quarters

18.1 Provide the utilization rate for Bachelor Enlisted Quarters(BEQs) for FY 1993.

Table 18.1: BEQ Utilization

Type of Quarters	Utilization Rate
Adequate	87%
Substandard	0
Inadequate	0

18.2 As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason? Yes, due to changes in the Command's mission, 145 Marine Corps Guard Company personnel vacated the BEQ. This caused an immediate reduction in occupancy which has slowly recovered with newly arriving personnel. Current occupancy rate is close to 95% and will exceed 95% within the next three months. (Increased occupancy is due to housing of newly reported personnel at NSGA Kunia, which is experiencing increased manning due to absorbing missions from other commands.)

18.3 Calculate the Average on Board (AOB) for Geographic Bachelors (GB) as follows:

$$\text{AOB} = \frac{(\# \text{ GB}) \times (\text{average \# of days in barracks})}{365}$$

AOB = 9

18.4 Indicate in the following chart the percentage of Geographic Bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Table 18.4: Reasons for Geographic Separation (BEQ)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	9	100%	
Spouse Employment (non-military)	0		
Other	0		
TOTAL	9	100 %	

18.5 How many enlisted Geographic Bachelors (GB) do not live on base? # GB Off-Base = 0

18. Military Housing - Bachelor Quarters, continued:

18.6 Provide the utilization rate for Bachelor Officers Quarters (BOQs) for FY 1993. Naval Magazine Lualualei does not control or operate a BOQ.

Table 18.6: BOQ Utilization

Type of Quarters	Utilization Rate
Adequate	N/A
Substandard	N/A
Inadequate	N/A

18.7 As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

N/A

18.8 Calculate the Average on Board (AOB) for Geographic Bachelors as follows:

$$\text{AOB} = \frac{\# \text{ GB} \times \text{average} \# \text{ days in barracks}}{365}$$

$$\text{AOB} = \text{N/A}$$

18.9 Indicate in the following chart the percentage of Geographic Bachelors by category of reasons for family separation. Provide comments as necessary.

Table 18.9: Reasons for Geographic Separation (BOQ)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	N/A		
Spouse Employment (non-military)	N/A		
Other	N/A		
TOTAL	N/A	100	

18.10 How many officer Geographic Bachelors do not live on base? # GB Off-Base = NONE

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Activity: 68297

Quality of Life

19. MWR Facilities

19.1 For on-base MWR facilities available, complete the following table for each separate location. These are spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately.

For off-base government-owned or leased recreation facilities, indicate their distance from your base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION: ON BASE

DISTANCE: LLL To Barbers = 11 Miles
W/L to Barbers = 5 Miles

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Table 19.1.a: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y/N or N/A)	NAS Barbers Point
Auto Hobby	Indoor Bays	3	Y	X
	Outdoor Bays	5		
Arts/Crafts	SF	0		
Wood Hobby	SF	0		
Bowling	Lanes	0		X
*Enlisted Club	SF	3960	Y	ALL HANDS
Officers Club	SF	0		ALL HANDS
Library	SF	0		X
Library	Books	0		
Theater	Seats	0		
IIT	SF	0		
Museum/Memorial	SF	0		
Pool (outdoor)	Lanes	6	N	X
Pool (indoor)	Lanes	0		
Beach	LF	0		X
Swimming Ponds	Each	0		
Tennis Court	Each	1	N/A	X

Activity: 68297

*No fees are charged for the use of the tennis court. NAVMAG LLL does not have an indoor pool, but has two outdoor pools, six lanes each. One pool is located at Lualualei branch and the other is located at the West Loch branch.

*Note: The Koa Lounge located at the West Loch branch is an ALL HANDS club, not just for the enlisted men and is operated by MWR.

X = Facilities available on NAS Barbers Point

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Quality of Life

19. MWR Facilities

19.1 For on-base MWR facilities available, complete the following table for each separate location. These are spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately.

For off-base government-owned or leased recreation facilities, indicate their distance from your base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION: ON BASE DISTANCE

Table 19.1.a: MWR Facilities Summary

	Unit of Measure		Profitable
Auto Hobby	Indoor Bays	3	Y
	Outdoor Bays	5	
Arts/Crafts	SF	0	
Wood Hobby	SF	0	
Bowling	Lanes	0	
*Enlisted Club	SF	3960	Y
Officers Club	SF	0	
Library	SF	0	
Library	Books	0	
Theater	Seats	0	
ITT	SF	0	
Museum/Memorial	SF	0	
Pool (outdoor)	Lanes	6	N
Pool (outdoor)	Lanes	6	N
Beach	LF	0	
Swimming Ponds	Each	0	
Tennis Court	Each	1	N/A

*No fees are charged for the use of the tennis court. NAVMAG LLL does not have an indoor pool, but has two outdoor pools, six lanes each. One pool is located at Lualualei branch and the other is located at the West Loch branch.

*Note: The Koa Lounge located at the West Loch branch is an ALL HANDS club, not just for the enlisted men and is operated by MWR.

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Activity: 68297

19. MWR Facilities, continued

Table 19.1.b: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y/N or N/A)	NAS Barbers Point
Volleyball Court (outdoor)	Each	3	N/A	X
Basketball Court (outdoor)	Each	3	N/A	X
Racquetball Court	Each	1	N/A	X
Golf Course	Holes	0		X
Driving Range	Tee Boxes	0		X
Gymnasium	SF	0		X
Fitness Center	SF	1200	N	X
Marina	Berths	0		
Stables	Stalls	0		Boarding Only
Softball Field	Each	3	N	X
Football Field	Each	0		X
Soccer Field	Each	0		X
Youth Center	SF	0		X
Fitness Center	SF	7,250	N	X

No fees are charged for the use of outdoor fields, courts or the raquetball court. A small, self service (no attendant, limited shower facilities, limited equipment) fitness center is located at Lualualei branch and a full service fitness center is located at the West Loch branch.

X = Facilities available on NAS Barbers Point.

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19.2 Is your library part of a regional interlibrary loan program?

N/A NAVMAG LLL does not operate a library.

19. MWR Facilities, continued

Table 19.1.b: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y/N or N/A)
Volleyball court (outdoor)	Each	3	N/A
Basketball court (outdoor)	Each	3	N/A
Racquetball court	Each	1	N/A
Golf Course	Holes	0	
Driving Range	Tee Boxes	0	
Gymnasium	SF	0	
Fitness Center	SF	1200	N
Marina	Berths	0	
Stables	Stalls	0	
Softball Field	Each	3	N
Football Field	Each	0	
Soccer Field	Each	0	
Youth Center	SF	0	
Fitness Center	SF	7,250	N

No fees are charged for the use of outdoor fields, courts or the raquetball court. A small, self service (no attendant, limited shower facilities, limited equipment) fitness center is located at Lualualei branch and a full service fitness center is located at the West Loch branch.

19.2 Is your library part of a regional interlibrary loan program?

N/A NAVMAG LLL does not operate a library.

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Activity: 68297

Quality of Life

20. Base Family Support Facilities and Programs

20.1 Complete the following table on the availability of child care in a child care center on your base.

NAVMAG LLL does not operate a child care facility.

Location: NAS Barbers Point

Table 20.1: Child Care Availability

Age Category	Capacity (# of Children)	SF			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Months					0	0
6-12 Months		5600			31	1 Month
12-24 Months			6140		8	2-3 Months
24-36 Months			↓		4	None
3-5 Years		2000	1920		6	None

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"R"

Location: Iroquois Point

Table 20.1: Child Care Availability

Age Category	Capacity (# of Children)	SF			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Months				1440	4	7 Months
6-12 Months				↓	4	7 Months
12-24 Months				↓	1	None
24-36 Months		980			4	2 Months
3-5 Years				1440	3	None

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Activity: 68297

20.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means." For all the categories above where inadequate facilities are identified provide the following information:

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

Quality of Life

20. Base Family Support Facilities and Programs

20.1 Complete the following table on the availability of child care in a child care center on your base.

NAVMAG LLL does not operate a child care facility.

Table 20.1: Child Care Availability

Age Category	Capacity (# of Children)	SF			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Months						
6-12 Months						
12-24 Months						
24-36 Months						
3-5 Years						

20.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means." For all the categories above where inadequate facilities are identified provide the following information:

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

20. Base Family Support Facilities and Programs, continued

20.3 If you have a waiting list, describe what programs or facilities, other than those sponsored by your command, are available to accommodate those on the list. N/A

20.4 How many "certified home care providers" are registered at your base? # = N/A
Registered Pearl Harbor Family Service Center.

20.5 Are there other military child care facilities within 30 minutes of the base? Yes/No
State owner and capacity (e.g. 60 children, 0-5 years).

Naval Air Station Barbers Point 6 wks - 12 yrs
Capacity 176

Iroquois Point Keiki Center 6 mos - 12 yrs
Capacity 52

Schofield Army Barracks Fullday 6 wks - 5 yrs
Capacity 230
1/2 Day 3-4 yrs
Capacity 120

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Activity: 68297

20. Base Family Support Facilities and Programs, continued

20.6 Complete the following table for services available on your base. If you have any services not listed, include them at the bottom.

Table 20.6: Available Services

Service	Unit of Measure	Quantity	NAS Barbers Point
Exchange	SF	N/A	X
Gas Station	SF	N/A	X
Auto Repair	SF	1993	X
Auto Parts Store	SF	N/A	X
Commissary	SF	N/A	X
Mini-Mart	SF	1636	X
Package Store	SF	N/A	
Fast Food Restaurants	Each	N/A	X
Bank/Credit Union	Each	N/A	X
Family Service Center	SF	N/A	X
Laundromat	SF	N/A	X
Dry Cleaners	Each	N/A	X
ARC	PN	N/A	X
Chapel	PN	N/A	X
FSC Classroom/Auditorium	PN	N/A	X

X = Facilities available on NAS Barbers Point

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20. Base Family Support Facilities and Programs, continued

20.6 Complete the following table for services available on your base. If you have any services not listed, include them at the bottom.

Table 20.6: Available Services

Service	Unit of Measure	Quantity
Exchange	SF	N/A
Gas Station	SF	N/A
Auto Repair	SF	1993
Auto Parts Store	SF	N/A
Commissary	SF	N/A
Mini-Mart	SF	1636
Package Store	SF	N/A
Fast Food Restaurants	Each	N/A
Bank/Credit Union	Each	N/A
Family Service Center	SF	N/A
Laundromat	SF	N/A
Dry Cleaners	Each	N/A
ARC	PN	N/A
Chapel	PN	N/A
FSC Classroom/Auditorium	PN	N/A

21. Metropolitan Areas

21.1 Identify proximate major metropolitan areas closest to your base (provide at least three):

Table 21.1: Proximate Metropolitan Areas

City	Distance (Miles)
HONOLULU	35
SAN FRANCISCO, CA	2,300
TOKYO, JAPAN	4,300

Quality of Life

22. VHA Rates

22.1 Identify the Standard Rate VHA Data for Cost of Living in your area:

Table 22.1: VHA Rates

Paygrade	With Dependents	Without
E1	513.17	287.12
E2	496.14	312.00
E3	496.96	366.18
E4	548.28	382.66
E5	563.70	393.58
E6	613.58	417.68
E7	655.81	455.57
E8	651.08	492.19
E9	817.47	620.56
W1	660.61	501.71
W2	729.46	572.14
W3	723.03	587.76
W4	696.74	617.76
O1E	651.10	482.96
O2E	647.81	516.48
O3E	719.82	608.97
O1	706.02	520.25
O2	671.19	524.61
O3	687.63	578.94
O4	667.94	580.86
O5	681.79	563.83
O6	744.57	616.29
O7	684.31	555.99

Quality of Life

23. Off-base Housing Rental and Purchase

23.1 Fill in the following table for average rental costs in the area for the period 1 April 1993 through 31 March 1994.

Table 23.1: Recent Rental Rates

Type of Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency	\$675.00		\$30.00
Apartment (1-2 Bedroom)	\$950.00		\$52.00
Apartment (3+ Bedroom)	\$1275.00		\$90.00
Single Family Home (3 Bedroom)	\$1275.00		\$101.00
Single Family Home (4+ Bedroom)	\$1450.00		\$104.00
Town House (2 Bedroom)	\$1075.00		\$90.00
Town House (3+ Bedroom)	\$1275.00		\$90.00
Condominium (2 Bedroom)	\$1075.00		\$90.00
Condominium (3+ Bedroom)	\$1275.00		\$90.00

23.2 What was the rental occupancy rate in the community as of 31 March 1994?

Table 23.2: Rental Occupancy Rate

Type Rental	Occupancy Rate (%)
Efficiency	97%
Apartment (1-2 Bedroom)	97%
Apartment (3+ Bedroom)	97%
Single Family Home (3 Bedroom)	97%
Single Family Home (4+ Bedroom)	97%
Town House (2 Bedroom)	97%
Town House (3+ Bedroom)	97%
Condominium (2 Bedroom)	97%
Condominium (3+ Bedroom)	97%

23. Off-base Housing Rental and Purchase, continued**23.3 What are the median costs for homes in the area?****Table 23.3: Regional Home Costs**

Type of Home	Median Cost
Single Family Home (3 Bedroom)	\$300,000.00
Single Family Home	\$380,000.00
Town House (2 Bedroom)	\$200,000.00
Town House (3+ Bedroom)	\$220,000.00
Condominium (2 Bedroom)	\$150,000.00
Condominium (3+ Bedroom)	\$175,000.00

23.4 For calendar year 1993, from the local MLS listings, provide the number of 2, 3, and 4 bedroom homes available for purchase. Use only homes for which monthly payments would be within 90 to 110 percent of the E5 BAQ and VHA for your area.

Table 23.4: Housing Availability

Month	Number of Bedrooms		
	2	3	4+
January	2	2	2
February	3	2	2
March	1	0	1
April	2	0	0
May	1	2	1
June	2	2	1
July	1	1	1
August	2	2	2
September	3	2	1
October	2	2	1
November	2	2	2
December	3	2	2

23.5 Describe the principle housing cost drivers in your local area. Availability/Location

Quality of Life

24. Sea-Shore Opportunities

24.1 For the top five sea intensive ratings in the principle warfare community your base supports, provide the following:

Table 24.1: Sea Shore Opportunities

Rating	# Sea Billets in Local Area	# Shore Billets in Local Area
TM	21	219
MS	196	265
GM	17	10
SK	96	188
WT	0	2

25. Commuting Distances

25.1 Complete the following table for the average one-way commute for the five largest concentrations of military and civilian personnel living off-base.

Table 25.1: Commuting Distances

Location	% Employees	Distance (mi)	Time (min)
Ewa Beach	42.1	*19/3	*30/8
Waianae	18.7	*7/20	*20/30
Waipahu	9.7	*19/10	*30/18
Honolulu	7.8	*30/20	*40/35
Aiea	3.7	*22/15	*35/25

*Distance/Time reported for both Lualualei and West Loch Branches respectively.

Quality of Life

26. Regional Educational Opportunities

Complete the tables below to indicate the civilian educational opportunities available to service members stationed at your activity (to include any outlying fields) and their dependents:

26.1 List the local educational institutions which offer programs available to dependent children. Indicate the school type (e.g. DoDDS, private, public, parochial, etc.), grade level (e.g. pre-school, primary, secondary, etc.), what students with special needs the institution is equipped to handle, cost of enrollment, and for high schools only, the average SAT/ACT score of the class that graduated in 1993 and the number of students in that class who enrolled in college in the fall of 1994.

Table 26.1: Educational Opportunities

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
August Ahrens Elementary	Public	K-6	Yes	1,574 N/A	N/A	N/A	
Barbers Point Elementary	Public	K-6	Yes	444 N/A	N/A	N/A	
Ewa Elementary	Public	K-6	Yes	513 N/A	N/A	N/A	
Ewa Beach Elementary	Public	K-6	Yes	455 N/A	N/A	N/A	
Honowai Elementary	Public	K-6	Yes	889 N/A	N/A	N/A	
Iroquois Point Elementary	Public	K-6	Yes	1,049 N/A	N/A	N/A	
Kaimiloa Elementary	Public	K-6	Yes	674 N/A	N/A	N/A	
Kaleiopuu Elementary	Public	K-6	Yes	791 N/A	N/A	N/A	
Kamaile Elementary	Public	K-6	Yes	761 N/A	N/A	N/A	

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
Kaneolani Elementary	Public	K-6	Yes	1,012 N/A	N/A	N/A	
Kapolei Elementary	Public	K-6	Yes	207 N/A	N/A	N/A	
Lehua Elementary	Public	K-6	Yes	496 N/A	N/A	N/A	
Leihoku Elementary	Public	K-6	Yes	645 N/A	N/A	N/A	
Ma'ili Elementary	Public	K-6	Yes	965 N/A	N/A	N/A	
Makaha Elementary	Public	K-6	Yes	686 N/A	N/A	N/A	
Makakilo Elementary	Public	K-6	Yes	514 N/A	N/A	N/A	
Manana Elementary	Public	K-6	Yes	458 N/A	N/A	N/A	
Mauka Lani Elementary	Public	K-6	Yes	549 N/A	N/A	N/A	
Momilani Elementary	Public	K-6	Yes	345 N/A	N/A	N/A	
Nanaikapono Elementary	Public	K-6	Yes	1,044 N/A	N/A	N/A	
Nanakuli Elementary	Public	K-6	Yes	460 N/A	N/A	N/A	
Palisades Elementary	Public	K-6	Yes	442 N/A	N/A	N/A	
Pearl City Elementary	Public	K-6	Yes	521 N/A	N/A	N/A	
Pearl City Highlands Elementary	Public	K-6	Yes	441 N/A	N/A	N/A	

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
Pohakea Elementary	Public	K-6	Yes	559 N/A	N/A	N/A	
Waianae Elementary	Public	K-6	Yes	777 N/A	N/A	N/A	
Waiiau Elementary	Public	K-6	Yes	619 N/A	N/A	N/A	
Waipahu Elementary	Public	K-6	Yes	977 N/A	N/A	N/A	
Highlands Intermediate	Public	7-8	Yes	1,049 N/A	N/A	N/A	
Ilima Intermediate	Public	7-8	Yes	1,016 N/A	N/A	N/A	
Waianae Intermediate	Public	7-8	Yes	1,190 N/A	N/A	N/A	
Waipahu Intermediate	Public	7-8	Yes	1,157 N/A	N/A	N/A	
James Campbell High	Public	9-12	Yes	1,716	789	60	
Nanakuli Intermediate/High	Public	7-12	Yes	1,171	671	35-40	
Pearl City High	Public	9-12	Yes	2,003	871	65-70	
Waianae High	Public	9-12	Yes	2,068	684	45-50	
Waipahu High	Public	9-12	Yes	1,667	762	50	
Alphabetland Pre-School and Kindergarten	Private	Preschool, K	No	160 \$450/mo	N/A	N/A	
Barbers Point Preschool	Private	Preschool	No	76 1,080/yr	N/A	N/A	
The Children's House, Inc.	Parochial	Preschool-6	No	470 4,500/yr	N/A	N/A	

R

Activity: 68297

26. Regional Educational Opportunities, continued

26.2 List the educational institutions within 30 miles which offer programs off-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all applicable boxes.

Table 26.2: Off-Base Educational Programs

Institution	Type Classes	Program Type				
		Adult High School	Vocational/Technical	Undergraduate		Graduate
				Courses only	Degree Program	
HAWAII PACIFIC UNIVERSITY	Day	YES	NO	YES	YES	YES
	Night	YES	NO	YES	YES	YES
HONOLULU COMMUNITY COLLEGE	Day	NO	YES	YES	YES	NO
	Night	NO	YES	YES	YES	NO
CHAMINDE UNIVERSITY OF HONOLULU	Day	NO	NO	YES	NO	NO
	Night	NO	NO	YES	YES	YES
CENTRAL MICHIGAN UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
UNIVERSITY OF OKLAHOMA	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
TROY STATE UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
Hale O Ulu	Special	7-12	Yes	65 *		**	
Hawaii Baptist Academy	Parochial	K-6	No	61 4,700/yr	N/A	N/A	
Iroquois Point CO-OP Preschool	Private	Preschool	No	15 68/yr	N/A	N/A	
Lanakila Baptist School	Parochial	K-12	No	275 2,700/yr		**	
Mali Bible School	Parochial	K-6	No	100 2,250/yr	N/A	N/A	
Messiah Lutheran School	Parochial	Preschool-8	No	85 2,060/yr	N/A	N/A	
Our Lady of Good Counsel	Parochial	Preschool-8	Yes	368 1,550/yr	N/A	N/A	
Our Lady of Perpetual Help School	Parochial	K-8	No	250 1,575/yr	N/A	N/A	
St. Joseph School	Parochial	K-8	No	511 1,700/yr	N/A	N/A	
Waianae Baptist Preschool and Kindergarten	Parochial	Preschool, K	No	15 250/mo	N/A	N/A	

*Tuition paid by Department of Education and/or Family Court.

** Data not available

NOTE: 1. Public School information for the LEEWARD School District was taken from DOE Directory of Schools. 2. Private/Parochial School information for the LEEWARD School District was taken by calling each individual school.

R

Activity: 68297

26. Regional Educational Opportunities, continued

26.3 List the educational institutions which offer programs on-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all applicable boxes.

Table 26.3: On-Base Educational Programs

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
N/A	Day					
	Night					
	Correspondence					
	Day					
	Night					
	Correspondence					
	Day					
	Night					
	Correspondence					

"R"

(6 Oct 94)

26. Regional Educational Opportunities, continued

26.3 List the educational institutions which offer programs on-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all applicable boxes.

Table 26.3: On-Base Educational Programs

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
HAWAII PACIFIC UNIVERSITY	Day	YES	NO	YES	YES	YES
	Night	YES	NO	YES	YES	YES
	Correspondence	NO	NO	NO	NO	NO
HONOLULU COMMUNITY COLLEGE	Day	NO	YES	YES	YES	NO
	Night	NO	YES	YES	YES	NO
	Correspondence	NO	NO	NO	NO	NO
CHAMINADE UNIVERSITY OF HONOLULU	Day	NO	NO	YES	NO	NO
	Night	NO	NO	YES	YES	YES
	Correspondence	NO	NO	NO	NO	NO
CENTRAL MICHIGAN UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
	Correspondence	NO	NO	NO	NO	NO
TROY STATE UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
	Correspondence	NO	NO	NO	NO	NO
UNIVERSITY OF OKLAHOMA	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
	Correspondence	NO	NO	NO	NO	NO

R

Activity: 68297

Quality of Life

27. Spousal Employment Opportunities

27.1 Provide the following data on spousal employment opportunities.

Table 27.1: Spouse Employment

Skill Level	# Military Spouses Serviced by FSC Spouse Employment Assistance			Local Community Unemployment Rate (%)
	1991	1992	1993	
Professional	N/A	N/A	N/A	4.9% OVERALL
Manufacturing	N/A	N/A	N/A	4.9%
Clerical	N/A	N/A	N/A	4.9%
Service	N/A	N/A	N/A	4.9%
Other SKILLED*	306	218	245	

*This was provided by Naval Air Station Barbers Point Family Service Center. The numbers provided include all the Commands they service not just our Command. Information is not able to be broken out by Command.

28. Medical/Dental Care

28.1 Do your active duty personnel have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.
All necessary facilities are within 30 minutes access.

No

CPF
N4644
7 Nov 94
RB

28.2 Do your military dependents have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.

NO

"R"

All necessary facilities are within 30 minutes access.

CPF N4644
7 Nov 94 RB

Quality of Life

27. Spousal Employment Opportunities

27.1 Provide the following data on spousal employment opportunities.

Table 27.1: Spouse Employment

Skill Level	# Military Spouses Serviced by FSC Spouse Employment Assistance			Local Community Unemployment Rate (%)
	1991	1992	1993	
Professional	N/A	N/A	N/A	4.9% OVERALL
Manufacturing	N/A	N/A	N/A	4.9%
Clerical	N/A	N/A	N/A	4.9%
Service	N/A	N/A	N/A	4.9%
Other SKILLED*	306	218	245	

*This was provided by Naval Air Station Barbers Point Family Service Center. The numbers provided include all the Commands they service not just our Command. Information is not able to be broken out by Command.

28. Medical/Dental Care

28.1 Do your active duty personnel have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.
All necessary facilities are within 30 minutes access.

28.2 Do your military dependents have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.

Quality of Life

29. Crime Rate

29.1 Complete the table below to indicate the crime rate for your activity for the last three fiscal years. The source for case category definitions to be used in responding to this question are found in the NCIS Manual, dated 23 February 1989, at Appendix A, entitled "Case Category Definitions." Note: the crimes reported in this table should *include* (a) all reported criminal activity which occurred on base regardless of whether the subject or the victim of that activity was assigned to or worked at the base; *and* (b) all reported criminal activity off base.

Table 29.1.a: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
1. Arson (6A)	4	3	5
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	*4/21	*5/11	*8/7
2. Blackmarket (6C)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	N/A	N/A	N/A
3. Counterfeiting (6G)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	-0-	-0-	-0-
4. Postal (6L)	1	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	-0-	-0-	-0-

*Denotes statistics off base for Lualualei/West Loch

N/A = 1. Statistics not available/not applicable. 2. Statistics not broken down as civilian VS military
3. No such laws exist in Hawaii.

29. Crime Rate, continued

Table 29.1.b: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
5. Customs (6M)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	-0-	-0-	-0-
Off Base Personnel - civilian	1	6	1
6. Burglary (6N)	1	1	-0-
Base Personnel - military	-0-	5	1
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	140/200	124/243	165/306
Off Base Personnel - civilian	*223	*5	*29
7. Larceny - Ordnance (6R)	N/A	N/A	N/A
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	26	11	15
8. Larceny - Government (6S)	16	5	8
Base Personnel - military	10	6	7
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	N/A	N/A	N/A

*MSLR Unknown if Larceny or Inventory Error

29. Crime Rate, continued

Table 29.1.bc: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
9. Larceny - Personal (6T)	15	19	17
Base Personnel - military	9	12	13
Base Personnel - civilian	6	7	4
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	312/480	403/672	358/698
10. Wrongful Destruction (6U)	52	43	48
Base Personnel - military	37	15	12
Base Personnel - civilian	15	28	36
Off Base Personnel - military	163/220	163/234	126/259
Off Base Personnel - civilian	163/220	163/234	126/259
11. Larceny - Vehicle (6V)	2	1	-0-
Base Personnel - military	2	1	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	47/48	46/79	66/96
12. Bomb Threat (7B)	3	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	N/A	N/A	N/A

29. Crime Rate, continued

Table 29.1.d: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
13. Extortion (7E)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	N/A	N/A	N/A
14. Assault (7G)	9	5	2
Base Personnel - military	6	4	N/A
Base Personnel - civilian	3	1	2
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	219/275	172/266	204/301
15. Death (7H)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	3/1	4/4	1/0
16. Kidnapping (7K)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	N/A	N/A	N/A

29. Crime Rate, continued

Table 29.1.e: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
18. Narcotics (7N)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	10/33	18/30	2/45
19. Perjury (7P)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	-0-	-0-	-0-
20. Robbery (7R)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	7/13	6/19	29/20
21. Traffic Accident (7T)	45	34	23
Base Personnel - military	25	17	13
Base Personnel - civilian	20	17	10
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	275/354	319/374	293/338

29. Crime Rate, continued

Table 29.1.f: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
22. Sex Abuse - Child (8B)	-0-	-0-	1
Base Personnel - military	N/A	N/A	1
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	See 23	See 23	See 23
23. Indecent Assault (8D)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	53/21	28/43	27/37
24. Rape (8F)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	19/6	13/4	6/14
25. Sodomy (8G)	-0-	-0-	-0-
Base Personnel - military	N/A	N/A	N/A
Base Personnel - civilian	N/A	N/A	N/A
Off Base Personnel - military	N/A	N/A	N/A
Off Base Personnel - civilian	N/A	N/A	N/A

BRAC-95 CERTIFICATION DATA CALL FORTY SIX

NAVMAG LUALUALEI

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. J. KELLY

NAME (Please type or print)

R. J. Kelly

Signature

Commander In Chief

Title

24 JUN 94

Date

U. S. Pacific Fleet

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

R. R. SAREERAM

NAME (Please type or print)

R. R. Sareeram

Signature

ACTING

Title

01 JUL 1994

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

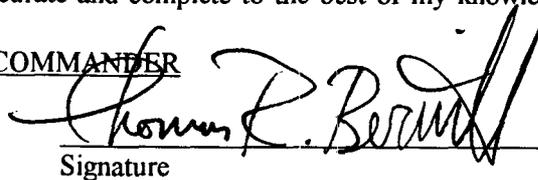
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

THOMAS R. BERNITT, CAPT, USN
NAME (Please type or print)


Signature

Commanding Officer
Title

7 JUNE 1994
Date

Naval Magazine Lualualei
Activity

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

Lucas, Theodore J
NAME (Please type or print)

Theodore J. Lucas
Signature

LT
Title

1 JUN 94
Date

Division

ORDNANCE
Department

NAVMAG LLL
Activity

ACTIVITY: NAVAL MAGAZINE LUALUALEI
 UIC: 68297

**DATA CALL SUPPLEMENT
 FOR
 JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE**

CAPACITY

1. Capacity Utilization

1.1 Calculate the capacity index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed in direct labor hours (DLHs) in Table 1.1.a by commodity groups for the Fiscal Years requested.

Table 1.1.a: Capacity Index

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A	N/A

Note: Naval Magazine Lualualei does not provide/do depot maintenance services.

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A	N/A

1. Capacity Utilization, continued

1.3 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, with no significant investment in capital equipment; and (c) no major Military Construction additional to that already approved and funded: what is the maximum extent to which operations, by commodity group, could be expanded for depot maintenance work at your activity, based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of direct labor hours (DLHs).

Table 1.3.a: Maximum Potential Capacity

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A	N/A

CAPACITY

2. Plant Replacement Value

2.1 What is the estimated Plant Replacement Value (PRV) as of the end of each Fiscal Year of your depot maintenance activity expressed in thousands of dollars (\$K) as a function of the facilities and equipment? Provide your answer in Table 2.1.

Table 2.1: Expenditures and Equipment Values

PRV	\$ K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Facilities	N/A	N/A	N/A	N/A	N/A
Equipments	N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A	N/A

CAPACITY

3. Programmed Workload

3.1 Given the current configuration and operation of your activity, provide the programmed depot level workload by commodity group in Tables 3.1.a and 3.1.b. Express your answer in both dollars (\$K) and direct labor hours (DLH) for the Fiscal Years requested.

Table 3.1.a: Programmed Workload

COMMODITY GROUP	\$ K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A	N/A

Table 3.1.b: Programmed Workload

COMMODITY GROUP	DLHs				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A	N/A

CAPACITY

4. Service Centers of Excellence

4.1 If your activity has been designated as a Service Center of Excellence for any of the commodity groups, please identify them below. N/A

**DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE**

MEASURES OF MERIT

Geographic

1. Location

1.1 Specify any special strategic importance or military value consideration of your activity accruing from its geographical location.

<u>Activity</u>	<u>Location</u>	<u>Description of Strategic Importance/Military Value</u>
NAVMAG LUALUALEI	Waianae, HI	NAVMAG Lualualei is the only middle-Pacific ordnance storage facility. NAVMAG Lualualei does not perform depot maintenance.

2. Environmental Compliance

Answers to the following questions need to reflect the particular workloads or processes affected by the environmental restrictions/compliance.

2.1 Is your activity in full compliance with all Federal, state, and local environmental regulations? If not in full compliance, provide a comprehensive list of individual regulations that require actions to be taken. What compliance waivers have been granted? When must the activity come into compliance? *YES*

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Type Regulation Waiver (Date Expires) Date Must be in Compliance

Geographic, continued

2.2 Has any actual or programmed work at this installation been restricted or delayed because of environmental considerations, such as air or water quality? If so, provide the details of the impact of the restrictions or delays. NO

<u>Programmed Work</u>	<u>Restriction/Delay</u>	<u>Describe Impact</u>
------------------------	--------------------------	------------------------

3. Environmental Restrictions

Answers to the following questions need to reflect the particular workloads or processes affected by the environmental restrictions/compliance.

3.1 Are there any special programs relating to environmental or industrial waste considerations for your activity? If so, provide the details.

<u>Special Program</u>	<u>Environmental/Industrial Waste</u>	<u>Describe</u>
------------------------	---------------------------------------	-----------------

N/A

3.2 Within what provisions must the activity operate with regard to disposal of hazardous wastes and radioactive materials?

<u>Type</u>	<u>Provisions</u>	<u>Describe</u>
-------------	-------------------	-----------------

NAVMAG Lualualei operates within regulations promulgated in the Federal Resource Conservation & Recovery Act (RCRA).

4. Other Collocated Activities

4.1 Are there any collocated activities that directly benefit or relate to the depot maintenance activity? If yes, list and describe the impact of each. Include benefits derived from being collocated.

<u>Collocated Activity</u>	<u>Benefit/Relationship</u>	<u>Describe Impact</u>
----------------------------	-----------------------------	------------------------

N/A

Geographic, continued

4. Other Collocated Activities, continued

4.2 Do collocated activities support, or are they supported by, the depot maintenance activity?

<u>Collocated Activity</u>	<u>Describe Relationship</u>
N/A	

4.3 How would these activities and the depot maintenance activity function if they were not collocated?

<u>Collocated Activity</u>	<u>Describe Impact if not Collocated</u>
N/A	

5. Encroachment

5.1 Have operations at this activity been at all constrained to accommodate requests of the local communities?

<u>Type of Encroachment</u>	<u>Operation Impacted</u>	<u>Describe</u>
N/A		

5.2 Indicate any encroachment constraints on current or future operations that would restrict future expansion.

<u>Type of Encroachment</u>	<u>Constraint on Expansion</u>	<u>Describe</u>
N/A		

MEASURES OF MERIT

Facilities and Equipage

6. Unique or Peculiar Facilities

6.1 List unique or peculiar testing facilities, excluding equipment (e.g. runways, railheads, ports, tracks, ponds, etc.).

Test Facility

Describe Uniqueness/Peculiarity

N/A

6.2 Indicate the reasons that these facilities are required by the depot maintenance function.

Test Facility

Reasons Required for Maintenance

N/A

6.3 How could the depot maintenance functions be performed without these specialized facilities?

Test Facility

Describe Testing Alternatives

N/A

Facilities and Equipage, continued

7. Buildings and Their Condition

7.1 List the buildings used to perform the depot maintenance functions by category code numbers (five or six digit CCNs), identifying their current condition (adequate, substandard, and inadequate) in Table 7.1 in thousands of square feet (KSF).

Table 7.1: Facility Conditions

CCN	Facility Type	Condition / Area (# KSF)			Comments
		Adequate	Substandard	Inadequate	
<i>ex: 211-03</i>	<i>ex: Corrosion Control Hangar</i>	#	#		
N/A	N/A	N/A	N/A	N/A	
Total		N/A	N/A	N/A	

7.2 In Table 7.2.a, identify space available for expansion by building type for those facility category code numbers (five or six digit CCNs) that are most important to your mission. An activity's expansion capability is a function of its ability to reconfigure/rehabilitate existing underutilized facilities to accept new or increased requirements.

Table 7.2.a: Space Available for Expansion

Building ID/ Type	CCN	Installation Space (KSF)			Total
		Adequate	Substandard	Inadequate	
N/A	N/A	N/A	N/A	N/A	N/A
TOTAL:		N/A	N/A	N/A	N/A

Facilities and Equipage, continued

8. Unique and/or Peculiar Capabilities and Capacities

8.1 What unique and/or peculiar capabilities and capacities does the depot maintenance activity possess?

Depot Maintenance Capability/Capacity

Describe Why Unique/Peculiar

N/A

8.2 Separately list the depot maintenance facilities and equipment which are one of a kind within the Service and/or DoD.

Facility/Equipment

Describe Why It is One of a Kind

N/A

9. Acreage Available for Building

9.1 What acreage on the installation does the government own in the proximity of the depot maintenance area that could be used for future expansion? Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Report in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage.

Table 9.1: Real Estate Resources

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	N/A	N/A	N/A	N/A
Operational	N/A	N/A	N/A	N/A
Training	N/A	N/A	N/A	N/A
R & D	N/A	N/A	N/A	N/A
Supply & Storage	N/A	N/A	N/A	N/A
Admin	N/A	N/A	N/A	N/A
Housing	N/A	N/A	N/A	N/A
Recreational	N/A	N/A	N/A	N/A
Forestry Program	N/A	N/A	N/A	N/A
Agricultural Outlease Program	N/A	N/A	N/A	N/A
Hunting/Fishing Programs	N/A	N/A	N/A	N/A
Other	N/A	N/A	N/A	N/A
Total:	N/A	N/A	N/A	N/A

Facilities and Equipage, continued

10. Administrative Space

10.1 What amount in square feet of administrative space could be made available to the depot maintenance function?

<u>Current Use</u>	<u>Square Feet</u>	<u>Potential Use (Be Specific)</u>
N/A		

11. Industrial Waste

11.1 Are there any inhibiting factors that would limit future expansion on the base? Provide the details if applicable.

<u>Inhibiting Factor</u>	<u>Provide Detailed Description</u>
N/A	

MEASURES OF MERIT

Workload and Capabilities

Answers to the following questions are to reflect programmed amounts by commodity group, by activity in direct labor hours by Fiscal Year for FY 1996 through FY 1999.

12. Core Capabilities (DoD)

12.1 What is the amount of core capability required to support your own Service? Provide your answers in Table 12.1.a by commodity group for the Fiscal Years requested.

Table 12.1.a: **Service Required Core**

COMMODITY GROUP	Capability (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

Workload and Capabilities, continued

12. Core Capabilities (DoD), continued

12.2 What is the amount of capability retained for the performance of other Services core? Provide your answers in Table 12.2.a by commodity group for the Fiscal Years requested.

Table 12.2.a: Core Capability Retained for Other Services

COMMODITY TYPE	Capability (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

12.3 What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: Service-Controlled Core (Title 10)

COMMODITY GROUP	Capability (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

Workload and Capacities, continued

13. Core Workloads

13.1 What are your total Core Workloads to be applied against capabilities identified in Tables 12.1a and 12.2a)? Provide your answer (DLH) in Table 13.1.a by commodity group for the Fiscal Year requested.

Table 13.1a Total Core Workloads

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

14. Other Workloads (Above Core)

14.1 What above core workloads do you perform by these source categories? Use the most appropriate category, but do not duplicate workload on more than one table. Provide answers in Tables 14.1.a through 14.1.g by commodity group for the Fiscal Years requested.

Table 14.1.a: FMS Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.b: Interservice Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

Table 14.1.c: Other Agency Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

14. Other Workloads (Above Core), continued

Table 14.1.d: Last Source of Repair Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.e: Within Service Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

14. Other Workloads (Above Core), continued

Table 14.1.f: Low Quantity Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

14. All Other Workloads (Above Core), continued

Table 14.1.g: All Other Workload (Above Core)

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

Workloads and Capabilities, continued

14. Other Workloads (Above Core), continued

**Table 14.1.h: Total Above Core Workload
(Sum of Tables 14.1.a through 14.1.g)**

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

15. Unique and/or Peculiar Workloads (Refer to Question 8.1)

15.1 What amount of the workload reported in question 8.1 is Core? Provide your answer in Table 15.1 by commodity groups for the Fiscal Years requested.

Table 15.1: Unique and/or Peculiar Total Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

Workloads and Capabilities, continued

15. Unique and/or Peculiar Workloads (Refer to Question 8.1), continued

15.2 What amount of the workload reported in question 8.1 is non-Core? Provide your answer in table 15.2 by commodity group for the Fiscal Years requested.

Table 15.2: Non-Core Unique and/or Peculiar Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
N/A	N/A	N/A	N/A	N/A
TOTAL	N/A	N/A	N/A	N/A

16. Scope of Work Performed

16.1 Indicate the services/functions performed at this activity that are associated with depot maintenance, but not generally classified or considered as integral to the depot maintenance functions.

<u>Service/Function</u>	<u>Description</u>
N/A	

16.2 Describe how these services/functions are related to accomplishment of the depot maintenance mission, and the benefits of these relationships.

<u>Service/Function</u>	<u>Describe Relationship and Benefit to Maintenance Mission</u>
N/A	

Workload and Capabilities, continued

17. Interface with Customers

17.1 Indicate any special functions that the depot maintenance function performs that require close interface with customers, such as on-site workloads (e.g. technical assistance, crash/battle damage repairs, modification/upgrade installations).

Service/Function Describe Required Interface/Relationship/Benefit

N/A

Costs ¹

18. Real Property Maintenance (RPM)

18.1 What is your activity's backlog of real property maintenance for facilities performing depot maintenance as of 30 September 1993 (express in \$K)?

N/A

18.2 What were your activity's annual RPM expenses (in \$K) for Fiscal Years 1990-1993? Provide your answers in Table 18.2.

Table 18.2: Real Property Maintenance Expenses

	FY 1990	FY 1991	FY 1992	FY 1993
RPM Expenses (\$K)	4,385K	9,690K	5,793K	4,327K 2,179K*

* RPMD Funds (2,179K)

¹There are inherent differences in organizational structure and accounting systems across the Services. Consequently, cost accumulations vary considerably. This severely limits the comparability of the cost per direct labor hour (\$/DLH) rates across Service lines.

Costs, continued

19. Annual Operating Costs (Excludes Materials used in Depot Maintenance Workloads)

19.1 What were the total depot maintenance actual annual operating costs for your activity (AOC/\$K), excluding materials, used in depot maintenance workloads for Fiscal Years 1990-1993? What was the cost per direct labor hour (\$DLH) for actual executed hours reported in the DBOF? Provide your answers in Table 19.1.a.

Table 19.1: Annual Operating Costs

EXPENSE	FY 1990	FY 1991	FY 1992	FY 1993
AOC (\$ K)	N/A	N/A	N/A	N/A
\$ / DLH	N/A	N/A	N/A	N/A

20. Environmental Compliance

20.1 What were your total depot maintenance actual and programmed environmental compliance costs (expressed in \$K) for Fiscal Years 1990-1997? Provide your answers in Table 20.1.

Table 20.1: Environmental Compliance Costs

COST(\$K)	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Actual	N/A							
Programmed	N/A							

20.2 If spending is accomplished as programmed above, what will be the remaining costs (backlog at the end of Fiscal Year 1997 expressed in \$K) to bring existing facilities/equipment into environmental compliance?

Costs, continued

21. Local Wage Rate

21.1 What were your Department of Labor local wage rates for a WG-11, step 3 for Fiscal Years 1991 through 1994?

Table 21.1: Wage Rate

Wage Rate	FY 1991	FY 1992	FY 1993	FY 1994
WG-11/Step3	N/A	\$17.62	\$18.36	\$19.03

22. Programmed Capital Investments

22.1 How much is programmed for new mission equipment for Fiscal Years 1996 through 1999? Provide your answer (in \$K) in Table 22.1.

22.2 How much is programmed for replacement equipment for Fiscal Years 1996 through 1999? Provide your answer (in \$K) in Table 22.1.

Table 22.1: Programmed Capital Investments

TYPE	FY 1996	FY 1997	FY 1998	FY 1999
NEW MISSION (\$K)	0	0	0	0
REPLACEMENT (\$K)	0	0	0	0

BRAC-95 CERTIFICATION DATA CALL TWENTY FIVE

NAVMAG LUALUALEI

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. J. ZLATOPER

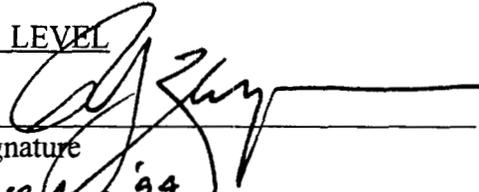
NAME (Please type or print)

Commander In Chief

Title

Signature

Date


10 Aug '94

U. S. Pacific Fleet

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.

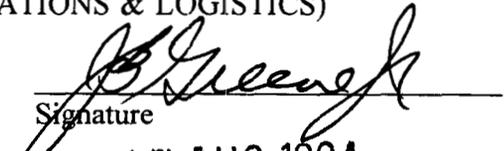
NAME (Please type or print)

ACTING

Title

Signature

Date


17 AUG 1994

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

KENNETH MACDOWELL
NAME (Please type or print)

K. McDowell
Signature

Commanding Officer, Acting
Title

7-28-94
Date

Naval Magazine Lualualei
Activity

R

BRAC-95 CERTIFICATION DATA CALL FORTY SIX

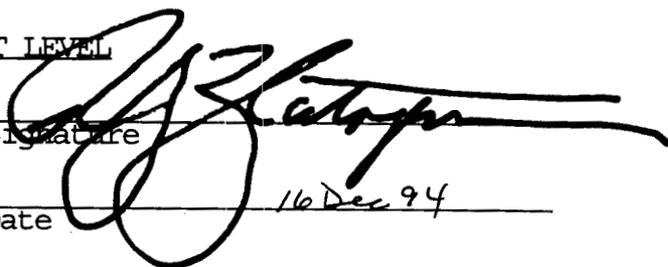
NAVAL MAGAZINE, LUALUALEI, REVISION #1

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. J. ZLATOPER
NAME

Signature



Commander In Chief
Title

Date

16 Dec 94

U. S. Pacific Fleet
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

Signature



Title

Date

1/5/95

R

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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ACTIVITY COMMANDER

THOMAS R. BERNITT, CAPT, USN
NAME (Please type or print)

Thomas R. Bernitt
Signature

Commanding Officer
Title

8 NOV 94
Date

Naval Magazine Lualualei
Activity

ENCLOSURE(1)

DATA CALL 1: GENERAL INSTALLATION INFORMATION

1. **ACTIVITY:** Follow example as provided in the table below (*delete the examples when providing your input*). If any of the questions have multiple responses, please provide all. If any of the information requested is subject to change between now and the end of Fiscal Year (FY) 1995 due to known redesignations, realignments/closures or other action, provide current and projected data and so annotate.

● Name

Official name	<i>Naval Magazine Lualualei, Waianae, HI</i>
Acronym(s) used in correspondence	<i>NAVMAG Lualualei</i>
Commonly accepted short title(s)	<i>N/A</i>

● Complete Mailing Address

COMMANDING OFFICER
 NAVAL MAGAZINE LUALUALEI
 3 CONSTELLATION STREET
 WAIANAE, HAWAII 96792-4301

● PLAD: NAVMAG LUALUALEI HI

● PRIMARY UIC: 68297 (Plant Account UIC for Plant Account Holders)

Enter this number as the Activity identifier at the top of each Data Call response page.

● ALL OTHER UIC(s): 46201 PURPOSE: Security Detachment

2. PLANT ACCOUNT HOLDER:

● Yes X No (check one)

3. **ACTIVITY TYPE:** Choose most appropriate type that describes your activity and completely answer all questions.

● **HOST COMMAND:** A host command is an activity that provides facilities for its own functions and the functions of other (tenant) activities. A host has accountability for Class 1 (land), and/or Class 2 (buildings, structures, and utilities) property, regardless of occupancy. It can also be a tenant at other host activities.

· Yes X No (check one)

● **TENANT COMMAND:** A tenant command is an activity or unit that occupies facilities for which another activity (i.e., the host) has accountability. A tenant may have several hosts, although one is usually designated its primary host. If answer is "Yes," provide best known information for your primary host only.

· Yes No X (check one)

· Primary Host (current) UIC:

· Primary Host (as of 01 Oct 1995) UIC:

· Primary Host (as of 01 Oct 2001) UIC:

● **INDEPENDENT ACTIVITY:** For the purposes of this Data Call, this is the "catch-all" designator, and is defined as any activity not previously identified as a host or a tenant. The activity may occupy owned or leased space. Government Owned/Contractor Operated facilities should be included in this designation if not covered elsewhere.

· Yes No X (check one)

4. SPECIAL AREAS: List all Special Areas. Special Areas are defined as Class 1/Class 2 property for which your command has responsibility that is not located on or contiguous to main complex.

Name	Location	UIC
West Loch Br	Ewa Beach, HI (BA)	68297
Waikele Br	Waipahu, HI (DA)	68297
Lualualei	Oahu, HI (CA)	68297
Lower Kipapa	Oahu, HI (EA)	68297
Kole Kole Pass	Oahu, HI (GA)	68297
West Loch Annex	Oahu, HI (BB)	68297
Waipio Peninsula	Oahu, HI (FA)	68297
Lualualei/RTF	Oahu, HI (HA)	68297

5. DETACHMENTS: If your activity has detachments at other locations, please list them in the table below.

Name	UIC	Location	Host name	Host UIC
N/A				

Change
CPF
9402

6. BRAC IMPACT: Were you affected by previous Base Closure and Realignment decisions (BRAC-88, -91, and/or -93)? If so, please provide a brief narrative.

N/A. We were not affected by previous Base Closure and Realignment decisions.

7. MISSION: Do not simply report the standard mission statement. Instead, describe important functions in a bulletized format. Include anticipated mission changes and brief narrative explanation of change; also indicate if any current/projected mission changes are a result of previous BRAC-88, -91, -93 action(s).

Current Missions

To receive, store, renovate, maintain and issue all types of ammunitions and weapons to all Joint forces of the Pacific Command as well as Pacific Rim Allied Forces. Specifically:

- Load and off-load ammunition, explosives and ordnance for ships, submarines and barges of the U.S. Navy, U.S. Coast Guard, Foreign Navies, Military Sealift Command (MSC), MSC Charters, commercial flags, USNS, U.S. Army and U.S. Marine Corps.

- * Store Prepositioned War Reserve and training ammunition assets for the Pacific theater, including ships and submarines of the Pacific Fleet, 22,000 troops of the U.S. Army/National Guard including the U. S. Army 25th Infantry Division and 5,200 Marine troops based at Kaneohe Marine Corps Air Station.

- Perform intermediate level maintenance on MK 46 and MK 50 * Torpedoes, Tomahawk and Harpoon Cruise Missiles.

- Overland transport and storage of ammunition, explosives and ordnance for the U.S. Navy, Marine Corps, Coast Guard, Army, Air Force, Foreign Navies and Foreign Air Forces.

- Provide security protection to Arms, Ammunitions, and Explosives (AA&E).

- Maintain and operate five ordnance handling wharves and conduct pier side and anchorage ammunition loading and off-loading of ships and submarines.

- * Provide 47 family housing units and BEQ and messing facilities (capacity 190).

- * Operational 4th quarter FY94

Projected Missions for FY 2001

- FY94 (4th quarter) - Activate MK 50 Torpedo Intermediate Maintenance Activity. This is the newest generation of lightweight anti-submarine warfare torpedo and will be used by the patrol squadrons and surface ships.

8. **UNIQUE MISSIONS:** Describe any missions which are unique or relatively unique to the activity. Include information on projected changes. Indicate if your command has any National Command Authority or classified mission responsibilities.

Current Unique Missions

Naval Magazine Lualualei's missions of loading, storage and transport are inherently unique due to its location in the Mid-Pacific Area of Responsibility and the fact it supports every branch of military service and the military services of our allies. Specifically:

● Store Prepositioned War Reserve and training ammunition assets for the Pacific theater including ships and submarines of the Pacific Fleet, 22,000 troops of the U.S. Army/National Guard including the U. S. Army 25th Infantry Division and 5,200 Marine troops based at Kaneohe Marine Corps Air Station. Current storage is 23,379 tons of ordnance. Currently, 39,192 tons of ordnance is stored in 405 active magazines.

* Maintain and operate the only ordnance wharves in the mid-Pacific AOR.

* Complete local issues and receipts for all DOD users of, Roll On/Roll Off ramps (RORO), truck and helicopter facilities.

* Provide escort services for high risk Arms, Ammunitions, and Explosives (AA&E).

* Provide operating facilities for: Naval Undersea Warfare Center (NUWC) Detachment Hawaii; U.S. Army Support Command Hawaii (USASCH) Director of Logistics; Explosive Ordnance Disposal Mobile Unit ONE (EODMU ONE); Explosive Ordnance Disposal Training and Evaluation Unit ONE (EODTEU ONE); Mobile Mine Assembly Group Detachment Seven (MOMAG Det SEVEN); Naval Submarine Base, MK 48 Torpedaa Intermediate Maintenance Activity, Pearl Harbor; CINCPACFLT Manpower Analysis Team (CMAT); Navy Exchange Service Center (NEXCEN [Mini Mart]); Naval Dental Center, Pearl Harbor; Naval Station, Pearl Harbor (Fire Department); Defense Commercial Communications Office - Pacific (DECCO-PAC); Navy Calibration Laboratory (CAL LAB), and Vitro Services (Ordnance Handling Contractor).

* Commanding Officer serves additional duty as COMNAVBASE Pearl Harbor Ordnance Officer, ensuring safe ordnance handling throughout the Hawaiian Islands area.

* Provide storage and handling of explosives for the State of Hawaii and

commercial firms.

* Provide security forces for Naval Computer and Telecommunications Area Master Station (NCTAMS), Eastern Pacific, Radio Transmitter Facility (RTF) and housing areas.

Projected Unique Missions for FY 2001

● Naval Magazine Lualualei will be the only MK 50 Intermediate Maintenance Activity in the Navy.

9. IMMEDIATE SUPERIOR IN COMMAND (ISIC): Identify your ISIC. If your ISIC is not your funding source, please identify that source in addition to the operational ISIC.

● Operational name UIC

Command in Chief U.S. Pacific Fleet 00070

● Funding Source UIC

Same

10. PERSONNEL NUMBERS: Host activities are responsible for totalling the personnel numbers for all of their tenant commands, even if the tenant command has been asked to separately report the data. The tenant totals here should match the total tally for the tenant listing provided subsequently in this Data Call (see Tenant Activity list). (Civilian count shall include Appropriated Fund personnel only.)

	<u>On Board Count as of 01 January 1994</u>		
	Officers	Enlisted	Civilian
(Appropriated)			
● Reporting Command	<u>15</u>	<u>148</u>	<u>119</u>
● Tenants (total)	<u>25</u>	<u>281</u>	<u>192</u>

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)
● Reporting Command	<u>12</u>	<u>153</u>	<u>122</u>
● Tenants (total)	<u>14</u>	<u>205</u>	<u>202</u>

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CPF
9402

11. KEY POINTS OF CONTACT (POC): Provide the work, FAX, and home telephone numbers for the Commanding Officer or OIC, and the Duty Officer. Include area code(s). You may provide other key POCs if so desired in addition to those above.

<u>Title/Name</u>	<u>Office</u>	<u>Fax</u>	<u>Home</u>
● CO/OIC			
T. R. Bernitt CAPT, USN Commanding Officer	808) 668-3211	(808) 668-3471	(808) 668-8602
● Duty Officer	(808) 474-4340	(808) 474-7922	[N/A]
● J. C. McLawhorn CDR, USN Executive Officer	(808) 668-3212	(808) 668-3471	(808) 533-1165

12. **TENANT ACTIVITY LIST:** This list must be all-inclusive. Tenant activities are to ensure that their host is aware of their existence and any "subleasing" of space. This list should include the name and UIC(s) of all organizations, shore commands and homeported units, active or reserve, DOD or non-DOD (include commercial entities). The tenant listing should be reported in the format provide below, listed in numerical order by UIC, separated into the categories listed below. Host activities are responsible for including authorized personnel numbers, end strength as of **30 September 1994**, for all tenants, even if those tenants have also been asked to provide this information on a separate Data Call. (Civilian count shall include Appropriated Fund personnel only.)

● Tenants residing on main complex (shore commands)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
Naval Undersea Warfare Ctr Det	35266	1		113
Naval Station (Fire Department)	62813			11
Navy Calibration Laboratory	68312			23
U.S. Army Support Command	WX3JP 7			14

● Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
N/A				

● Tenants residing in Special Areas (Special Areas are defined as real estate owned by host command not contiguous with main complex; e.g. outlying fields).

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
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Change
CPF
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Explosive Ordnance Dis-posal Mobile Unit ONE	30200	NAVMAG LLL, West Loch Branch Ewa Beach, HI	0 *	0 *	
Explosive Ordnance Dis-posal Trng & Eval Unit ONE	30202	NAVMAG LLL, West Loch Branch, Ewa Beach, HI	7	44	
Naval Submarine Base Pearl Harbor MK 48 Torpedo IMA	44944	NAVMAG LLL West Loch Branch, Ewa Beach, HI	5	158	12
CINCPACFLT Man-power Analysis team	47654	NAVMAG LLL Waikele Branch, Waipahu, HI	0	1	18
Mobile Mine Assembly Group, Det SEVEN	53852	NAVMAG LLL West Loch Branch, Ewa Beach, HI	0 *	0 *	
Naval Dental Center	62313	NAVMAG LLL West Loch Branch, Ewa Beach, HI	1	2	
Naval Station (Fire Dept)	62813	NAVMAG LLL West Loch Branch, Ewa Beach, HI			11
Defense Commercial Communications Office - Pacific	DKKA CA	NAVMAG LLL Waikele Branch Waipahu, HI			0 **

● Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Office	Enlist ed	Civilian
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N/A					
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- * **EODMU ONE and MOMAG DET SEVEN will be disestablished on 9/30/94.**
An EOD Det consisting of 2 Officers and 8 Enlisted is scheduled to be established on 1 OCT 94 and based at NAVMAG Lualualei West Loch Branch.

- ** **As of 28 February 1994, DECCO-PAC will no longer be a tenant of NAVMAG.**

13. REGIONAL SUPPORT: Identify your relationship with other activities, not reported as a host/tenant, for which you provide support. Again, this list should be all-inclusive. The intent of this question is capture the full breadth of the mission of your command and your customer/supplier relationships. Include in your answer any Government Owned/Contractor Operated facilities for which you provide administrative oversight and control.

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
Fleet & Industrial Supply Ctr (FISC) & 1st Marine Expeditionary Brigade (1st MEB)	Pearl Harbor, HI Kaneohe, HI	Inter-island shipment of ammunition/explosives support - MOU
Naval Computer & Telecommunications Area Master Station (NCTAMS)	Waianae, HI	Police/security services for the Radio transmitter Facility (RTF) - MOU
Explosive Ordnance Disposal Mobile Unit ONE (EODMU ONE)	Barbers Point, HI	Security support - ISSA
Explosive Ordnance Disposal Trng & Eval Unit ONE (EODTEU ONE)	Barbers Point, HI	Security support - ISSA
Naval Submarine Base (SUBASE)	Pearl Harbor, HI	Security support - ISSA

14. FACILITY MAPS: This is a primary responsibility of the plant account holders/host commands. Tenant activities are not required to comply with submission if it is known that your host activity has complied with the request. Maps and photos should not be dated earlier than 01 January 1991, unless annotated that no changes have taken place. Any recent changes should be annotated on the appropriate map or photo. Date and label all copies.

- Local Area Map. This map should encompass, at a minimum, a 50 mile radius of your activity. Indicate the name and location of all DoD activities within this area, whether or not you support that activity. Map should also provide the geographical relationship to the major civilian communities within this radius. (Provide 12 copies.)
- Installation Map / Activity Map / Base Map / General Development Map / Site Map. Provide

the most current map of your activity, clearly showing all the land under ownership/control of your activity, whether owned or leased. Include all outlying areas, special areas, and housing. Indicate date of last update. Map should show all structures (numbered with a legend, if available) and all significant restrictive use areas/zones that encumber further development such as HERO, HERP, HERF, ESQD arcs, agricultural/forestry programs, environmental restrictions (e.g., endangered species). (Provide in two sizes: 36"x 42" (2 copies, if available); and 11"x 17" (12 copies).)

- Aerial photo(s). Aerial shots should show all base use areas (both land and water) as well as any local encroachment sites/issues. You should ensure that these photos provide a good look at the areas identified on your Base Map as areas of concern/interest - remember, a picture tells a thousand words. Again, date and label all copies. (Provide 12 copies of each, 8½"x 11".)

- Air Installations Compatible Use Zones (AICUZ) Map. (Provide 12 copies.)

N/A.

INSTALLATION DATA

GENERAL INFORMATION

This is the first Data Call for the 1995 base realignment and closure (BRAC-95) process. This General Information Data Call is designed to provide the Base Structure Evaluation Committee (BSEC) with a broad view of each installation, looking across the entire range of missions performed, who performs them, and the geographic alignment of each installation (internal to itself and the relationship to the surrounding community). The desired end result of this Data Call is to give the BSEC a complete picture of the shore facility infrastructure and general information on every organization performing a mission for the Department of the Navy today. This review is not limited to "above threshold" activities (those activities with more than 300 civilian personnel). It is absolutely imperative that all organizations complete the appropriate information about their organization so that follow-on Data Calls can be correctly focused and complete. There will be other Data Calls organized by category/subcategory (function) to gather information on military value, capacity, and economic/environmental impact.

The activities receiving this Data Call will fall into one of three categories: host command; tenant command; or independent activity. Each activity will be asked to identify themselves into one of these three categories. Due to the broad nature of the Data Call, not all questions will be applicable to all respondents, but all questions require a complete response. If a question is not applicable to your organization, clearly mark the response as "N/A"; do not leave blank.

The Data Call has been structured so that all responses, with the exception of the facility maps, can be made within the Data Call without the need to provide enclosures. The format for the tabular data allows for the expansion of each row as additional data is inputted, by pressing "enter" each time a new entry is made. Responses should be as complete and concise as possible.

In accordance with SECNAVNOTE 11000 of 08 December 1993, pertaining to the BRAC-95 process, all data provided must be certified and will be submitted hardcopy. Distribution of the Data Calls will flow through the operational command structure and inquiries should be directed in that manner to facilitate consistent and informative responses.

**BRAC-95 CERTIFICATION
Data Call Number 1**

Activity: **NAVMAG LUALUALEI**

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. R. FITZGERALD
NAME (Please type or print)
Commander in Chief
Title

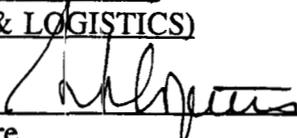

Signature
2/15/94
Date

U. S. Pacific Fleet
Activity (Acting)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

S. F. Loftus
NAME (Please type or print)
S. F. Loftus
Title
Vice Admiral, U.S. Navy
Deputy Chief of Naval
Operations (Logistics)


Signature
22 FEB 1994
Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

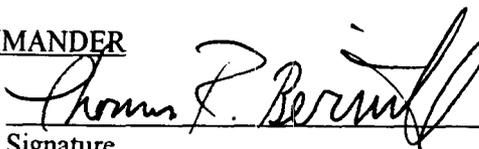
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

THOMAS R. BERNITT, CAPT, USN
NAME (Please type or print)


Signature

Commanding Officer
Title

1/31/94
Date

Naval Magazine Lualualei
Activity

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DATA CALL 66
INSTALLATION RESOURCES

Activity Information:

Activity Name:	NAVAL MAGAZINE LUALUALEI
UIC:	68297
Host Activity Name (if response is for a tenant activity):	
Host Activity UIC:	

General Instructions/Background. A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and, is located in the United States, its territories or possessions.

1. **Base Operating Support (BOS) Cost Data.** Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and, are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

a. **Table 1A - Base Operating Support Costs (Other Than DBOF Overhead).** This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

**DATA CALL 66
INSTALLATION RESOURCES**

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: NAVMAG LLL		UIC: 68297	
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	3,773	852	4,625
1b. Minor Construction	0	0	0
1c. Sub-total 1a. and 1b.	3,773	852	4,625
2. Other Base Operating Support Costs:			
2a. Utilities	1,049	0	1,049
2b. Transportation	733	0	733
2c. Environmental	513	117	630
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	189	402	591
2f. Bachelor Quarters	505	344	849
2g. Child Care Centers	0	0	0
2h. Family Service Centers	0	0	0
2i. Administration	0	839	839
2j. Other (Specify)			
2k. Sub-total 2a. through 2j:	2,989	1,702	4,691
3. Grand Total (sum of 1c. and 2k.):	6,762	2,554	9,316

**DATA CALL 66
INSTALLATION RESOURCES**

b. Funding Source. If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation:

<u>Appropriation</u>	<u>Amount (\$000)</u>
O & M	7,203
MPN	2,113

c. Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

Other Notes: All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

**DATA CALL 66
INSTALLATION RESOURCES**

Table 1B - Base Operating Support Costs (DBOF Overhead)

Activity Name: N/A - NAVAL MAGAZINE LUALUALEI IS NOT A DBOF ACTIVITY.		UIC:	
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>\$15K)			
1b. Real Property Maintenance (<\$15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.			
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities			
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
2m. Sub-total 2a. through 2l:			
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :			

**DATA CALL 66
INSTALLATION RESOURCES**

2. Services/Supplies Cost Data. The purpose of Table 2 is to provide information about projected FY 1996 costs for the purchase of services and supplies by the activity. (Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.) The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.

Table 2 - Services/Supplies Cost Data	
Activity Name: NAVAL MAGAZINE LUALUALEI	UIC: 68297
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	9
Material and Supplies (including equipment):	313
Industrial Fund Purchases (other DBOF purchases):	8,563
Transportation:	17
Other Purchases (Contract support, etc.):	7,778
Total:	16,680

**DATA CALL 66
INSTALLATION RESOURCES**

3. Contractor Workyears.

a. On-Base Contract Workyear Table. Provide a projected estimate of the number of contract workyears expected to be performed "on base" in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc.

Table 3 - Contract Workyears	
Activity Name: NAVAL MAGAZINE LUALUALEI	UIC: 68297
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	0
Facilities Support:	0
Mission Support: Vitro Services Corp: Ordnance Logistics Contractor	128
Procurement:	0
Other:*	
Total Workyears:	128

* Note: Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

Note 1: NAVMAG Lualualei utilizes two support contracts, the first requires 121 workyears of work annually to handle ammunition and the second requires 7 workyears of work annually to support the enlisted dining facility.

**DATA CALL 66
INSTALLATION RESOURCES**

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the on-base contract workyears identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

121 workyears would be required by the receiving site to continue fleet support. This is solely comprised of the ordnance handling contract. The receiving site would witness increased operational requirements and would require the additional workyears needed to support ammunition logistics.

2) Estimated number of workyears which would be eliminated:

7 workyears could be eliminated by transferring the mission of this command to another installation. This would result from the elimination of a food services operation. The receiving site would be able to accommodate the influx of personnel without an increase in manning.

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

0

**DATA CALL 66
INSTALLATION RESOURCES**

c. **"Off-Base" Contract Workyear Data.** Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information (ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above):

N/A

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)

BRAC-95 CERTIFICATION DATA CALL SIXTY SIX

NAVMAG LUALUALEI

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. J. KELLY

NAME (Please type or print)

R. J. Kelly

Signature

Commander In Chief

Title

3 Aug 94

Date

U. S. Pacific Fleet

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.

NAME (Please type or print)
ACTING

Title

Signature

16 AUG 1994

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

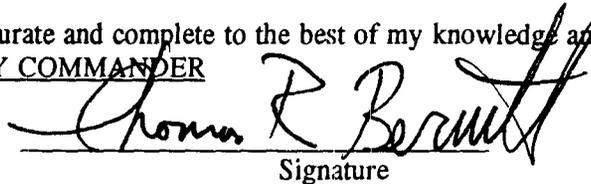
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

THOMAS R. BERNITT
NAME (Please type or print)


Signature

Commanding Officer
Title

15 JULY 1994
Date

Naval Magazine Lualualei
Activity

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

IRIS K. HIROTA

NAME (Please type or print)

Budget Officer

Title

Iris K. Hirota

Signature

7-13-94

Date

Fiscal

Division

Supply/Fiscal

Department

Naval Magazine Lualualei

Activity

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Activity Identification: Please complete the following table, identifying the activity for which this response is being submitted.

Activity Name:	NAVAL MAGAZINE LUALUALEI
UIC:	68297
Major Claimant:	CINCPACFLT

General Instructions/Background:

Information requested in this data call is required for use by the Base Structure Evaluation Committee (BSEC), in concert with information from other data calls, to analyze both the impact that potential closure or realignment actions would have on a local community and the impact that relocations of personnel would have on communities surrounding receiving activities. In addition to Cost of Base Realignment Actions (COBRA) analyses which incorporate standard Department of the Navy (DON) average cost factors, the BSEC will also be conducting more sophisticated economic and community infrastructure analyses requiring more precise, activity-specific data. For example, activity-specific salary rates are required to reflect differences in salary costs for activities with large concentrations of scientists and engineers and to address geographic differences in wage grade salary rates.

Questions relating to "Community Infrastructure" are required to assist the BSEC in evaluating the ability of a community to absorb additional employees and functions as the result of relocation from a closing or realigning DON activity.

Due to the varied nature of potential sources which could be used to respond to the questions contained in this data call, a block appears after each question, requesting the identification of the source of data used to respond to the question. To complete this block, identify the source of the data provided, including the appropriate references for source documents, names and organizational titles of individuals providing information, etc. Completion of this "Source of Data" block is critical since some of the information requested may be available from a non-DoD source such as a published document from the local chamber of commerce, school board, etc. Certification of data obtained from a non-DoD source is then limited to certifying that the information contained in the data call response is an accurate and complete representation of the information obtained from the source. Records must be retained by the certifying official to clearly document the source of any non-DoD information submitted for this data call.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

General Instructions/Background (Continued):

The following notes are provided to further define terms and methodologies used in this data call. Please ensure that responses consistently follow this guidance:

Note 1: Throughout this data call, the term "activity" is used to refer to the DON installation that is the addressee for the data call.

Note 2: Periodically throughout this data call, questions will include the statement that the response should refer to the "area defined in response to question 1.b., (page 3)". Recognizing that in some large metropolitan areas employee residences may be scattered among many counties or states, the scope of the "area defined" may be limited to the sum of:

- those counties that contain government (DoD) housing units (as identified in 1.b.2)), and,
- those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.

Note 3: Responses to questions referring to "civilians" in this data call should reflect federal civil service appropriated fund employees.

1. Workforce Data

a. **Average Federal Civilian Salary Rate.** Provide the projected FY 1996 average gross annual appropriated fund civil service salary rate for the activity identified as the addressee in this data call. This rate should include all cash payments to employees, and exclude non-cash personnel benefits such as employer retirement contributions, payments to former employees, etc.

Average Appropriated Fund Civilian Salary Rate:	41,720*
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Source of Data (1.a. Salary Rate): Budget Submission, Supply/Fiscal Department

*Includes salary rates for Naval Magazine Lualualei and Security Detachment (UIC's 68297 and 46201) only.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

b. Location of Residence. Complete the following table to identify where employees live. Data should reflect current workforce.

1) Residency Table. Identify residency data, by county, for both military and civilian (civil service) employees working at the installation (including, for example, operational units that are homeported or stationed at the installation). For each county listed, also provide the estimated average distance from the activity, in miles, of employee residences and the estimated average length of time to commute one-way to work. For the purposes of displaying data in the table, any county(s) in which 1% or fewer of the activity's employees reside may be consolidated as a single line entry in the table, titled "Other".

County of Residence	State	No. of Employees Residing in County		Percentage of Total Employees	Average Distance From Base (Miles)	Average Duration of Commute (Minutes)
		Military	Civilian			
Honolulu	HI					
Lualualei Branch		100	203	42.2	13	30.1
West Loch Branch		341	54	54.9	10.4	15.7
Waikele Branch			21	2.9	19.4	18.6

=100

* Does not include:

VITRO Contractor	120	or those on distribution list
MWR NAF & Contract	22	
NEXC	2	NAVSTA PH HI 16 Firefighters
NUWC - Contract	22	
Kauai Appro. Fund	9	
Kauai Contract	<u>10</u>	
	185	

As discussed in Note 2 on Page 2, subsequent questions in the data call refer to the "area defined in response to question 1.b., (page 3)". In responding to these questions, the scope of the "area defined" may be limited to the sum of: a) those counties that contain government (DoD) housing units (as identified below), and, b) those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

2) Location of Government (DoD) Housing. If some employees of the base live in government housing, identify the county(s) where government housing is located:

Honolulu County

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Source of Data (1.b. 1) & 2) Residence Data): Employee's Survey

c. Nearest Metropolitan Area(s). Identify all major metropolitan area(s) (i.e., population concentrations of 100,000 or more people) which are within 50 miles of the installation. If no major metropolitan area is within 50 miles of the base, then identify the nearest major metropolitan area(s) (100,000 or more people) and its distance(s) from the base.

City	County	Distance from base (miles)
Honolulu	Honolulu	Activity is within City/County of Honolulu

Source of Data (1.c. Metro Areas): City Clerks Office, City & County of Honolulu

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

d. Age of Civilian Workforce. Complete the following table, identifying the age of the activity's civil service workforce.

Age Category	Number of Employees	Percentage of Employees
16 - 19 Years	0	0
20 - 24 Years	0	0
25 - 34 Years	14	12.5
35 - 44 Years	25	22.1
45 - 54 Years	39	34.5
55 - 64 Years	31	27.4
65 or Older	4	3.5
TOTAL	113	100 %

* Information for 1.d., 1.e., 1.f., 1.h. are for Naval Magazine Lualualei and Security Detachment (UIC's 68297 & 46201) only.

Source of Data (1.d.) Age Data): NCPDS, HRO PWC PEARL
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DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

e. Education Level of Civilian Workforce

1) **Education Level Table.** Complete the following table, identifying the education level of the activity's civil service workforce.

Last School Year Completed	Number of Employees	Percentage of Employees
8th Grade or less		
9th through 11th Grade	2	1.8
12th Grade or High School Equivalency	69	61.1
1-3 Years of College	24	21.2
4 Years of College (Bachelors Degree)	13	11.5
5 or More Years of College (Graduate Work)	5	4.4
TOTAL	113	100 %

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

2) Degrees Achieved. Complete the following table for the activity's **civil service** workforce. Identify the number of employees with each of the following degrees, etc. To avoid double counting, only identify the highest degree obtained by a worker (e.g., if an employee has both a Master's Degree and a Doctorate, only include the employee under the category "Doctorate").

Degree	Number of Civilian Employees
Terminal Occupation Program - Certificate of Completion, Diploma or Equivalent (for areas such as technicians, craftsmen, artisans, skilled operators, etc.)	4
Associate Degree	9
Bachelor Degree	13
Masters Degree	4
Doctorate	0

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Source of Data (1.e.1) and 2) Education Level Data): NCPDS, HRO PWC PEARL

f. Civilian Employment By Industry. Complete the following table to identify by "industry" the type of work performed by **civil service** employees at the activity. The intent of this table is to attempt to stratify the activity civilian workforce using the same categories of industries used to identify private sector employment. Employees should be categorized based on their primary duties. Additional information on categorization of private sector employment by industry can be found in the Office of Management and Budget Standard Industrial Classification (SIC) Manual. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Industry Type" codes in the first column of the table: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Industry Types" identified in the table. However, only use the Category 6, "Public Administration" sub-categories when none of the other categories apply. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Industry	SIC Codes	No. of Civilians	% of Civilians
1. Agriculture, Forestry & Fishing	01-09		
2. Construction (includes facility maintenance and repair)	15-17	2	1.8
3. Manufacturing (includes Intermediate and Depot level maintenance)	20-39		
3a. Fabricated Metal Products (include ordnance, ammo, etc.)	34	5	4.4
3b. Aircraft (includes engines and missiles)	3721 et al		
3c. Ships	3731		
3d. Other Transportation (includes ground vehicles)	various		
3e. Other Manufacturing not included in 3a. through 3d.	various		
Sub-Total 3a. through 3e.	20-39		
4. Transportation/Communications/Utilities	40-49		
4a. Railroad Transportation	40		
4b. Motor Freight Transportation & Warehousing (includes supply services)	42	3	2.7
4c. Water Transportation (includes organizational level maintenance)	44		
4d. Air Transportation (includes organizational level maintenance)	45		
4e. Other Transportation Services (includes organizational level maintenance)	47		
4f. Communications	48	3	2.7

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Industry	SIC Codes	No. of Civilians	% of Civilians
4g. Utilities	49		
Sub-Total 4a. through 4g.	40-49		
5. Services	70-89		
5a. Lodging Services	70		
5b. Personal Services (includes laundry and funeral services)	72		
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	40	35.4
5d. Automotive Repair and Services	75		
5e. Other Misc. Repair Services	76		
5f. Motion Pictures	78		
5g. Amusement and Recreation Services	79	1	.8
5h. Health Services	80		
5i. Legal Services	81		
5j. Educational Services	82		
5k. Social Services	83		
5l. Museums	84		
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	4	3.5
5n. Other Misc. Services	89	12	10.6
Sub-Total 5a. through 5n.:	70-89		

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Industry	SIC Codes	No. of Civilians	% of Civilians
6. Public Administration	91-97		
6a. Executive and General Government, Except Finance	91		
6b. Justice, Public Order & Safety (includes police, firefighting and emergency management)	92	38	33.6
6c. Public Finance	93	3	2.7
6d. Environmental Quality and Housing Programs	95	2	1.8
Sub-Total 6a. through 6d.			
TOTAL		113	100 %

Source of Data (1.f.) Classification By Industry Data): NCPDS, HRO PWC
PEARL/Position Descriptions

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

g. Civilian Employment by Occupation. Complete the following table to identify the types of "occupations" performed by civil service employees at the activity. Employees should be categorized based on their primary duties. Additional information on categorization of employment by occupation can be found in the Department of Labor Occupational Outlook Handbook. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Occupation Type" codes in the first column of the table: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Occupation Types" identified in the table. Refer to the descriptions immediately following this table for more information on the various occupational categories. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

Occupation	Number of Civilian Employees	Percent of Civilian Employees
1. Executive, Administrative and Management	26	23.0
2. Professional Specialty		
2a. Engineers	2	1.8
2b. Architects and Surveyors		
2c. Computer, Mathematical & Operations Research	1	.9
2d. Life Scientists		
2e. Physical Scientists		
2f. Lawyers and Judges		
2g. Social Scientists & Urban Planners		
2h. Social & Recreation Workers	1	.9
2i. Religious Workers		
2j. Teachers, Librarians & Counselors		

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Occupation	Number of Civilian Employees	Percent of Civilian Employees
2k. Health Diagnosing Practitioners (Doctors)		
2l. Health Assessment & Treating(Nurses, Therapists, Pharmacists, Nutritionists, etc.)		
2m. Communications	3	2.7
2n. Visual Arts		
Sub-Total 2a. through 2n.:		
3. Technicians and Related Support		
3a. Health Technologists and Technicians		
3b. Other Technologists		
Sub-Total 3a. and 3b.:		
4. Administrative Support & Clerical	9	7.9
5. Services		
5a. Protective Services (includes guards, firefighters, police)	65	57.5
5b. Food Preparation & Service		
5c. Dental/Medical Assistants/Aides		
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)		
Sub-Total 5a. through 5d.		
6. Agricultural, Forestry & Fishing		
7. Mechanics, Installers and Repairers		
8. Construction Trades		

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Occupation	Number of Civilian Employees	Percent of Civilian Employees
9. Production Occupations	5	4.4
10. Transportation & Material Moving	1	.9
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)		
TOTAL	113	100 %

Source of Data (1.g.) Classification By Occupation Data): NCPDS, HRO PWC PEARL and Employees Position Description

Description of Occupational Categories used in Table 1.g. The following list identifies public and private sector occupations included in each of the major occupational categories used in the table. Refer to these examples as a guide in determining where to allocate appropriated fund civil service jobs at the activity.

1. **Executive, Administrative and Management.** Accountants and auditors; administrative services managers; budget analysts; construction and building inspectors; construction contractors and managers; cost estimators; education administrators; employment interviewers; engineering, science and data processing managers; financial managers; general managers and top executives; chief executives and legislators; health services managers; hotel managers and assistants; industrial production managers; inspectors and compliance officers, except construction; management analysts and consultants; marketing, advertising and public relations managers; personnel, training and labor relations specialists and managers; property and real estate managers; purchasing agents and managers; restaurant and food service managers; underwriters; wholesale and retail buyers and merchandise managers.
2. **Professional Specialty.** Use sub-headings provided.
3. **Technicians and Related Support.** Health Technologists and Technicians sub-category - self-explanatory. Other Technologists sub-category includes aircraft pilots; air traffic controllers; broadcast technicians; computer programmers; drafters; engineering technicians; library technicians; paralegals; science technicians; numerical control tool programmers.
4. **Administrative Support & Clerical.** Adjusters, investigators and collectors; bank tellers; clerical supervisors and managers; computer and peripheral equipment operators; credit clerks and authorizers; general office clerks; information clerks; mail clerks and messengers; material recording, scheduling, dispatching and distributing; postal clerks and mail carriers; records clerks; secretaries; stenographers and court reporters; teacher aides; telephone, telegraph and teletype operators; typists, word processors and data entry keyers.

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

5. **Services.** Use sub-headings provided.
6. **Agricultural, Forestry & Fishing.** Self explanatory.
7. **Mechanics, Installers and Repairers.** Aircraft mechanics and engine specialists; automotive body repairers; automotive mechanics; diesel mechanics; electronic equipment repairers; elevator installers and repairers; farm equipment mechanics; general maintenance mechanics; heating, air conditioning and refrigeration technicians; home appliance and power tool repairers, industrial machinery repairers; line installers and cable splicers; millwrights; mobile heavy equipment mechanics; motorcycle, boat and small engine mechanics; musical instrument repairers and tuners; vending machine services and repairers.
8. **Construction Trades.** Bricklayers and stonemasons; carpenters; carpet installers; concrete masons and terrazzo workers; drywall workers and lathers; electricians; glaziers; highway maintenance; insulation workers; painters and paperhangers; plasterers; plumbers and pipefitters; roofers; sheet metal workers; structural and reinforcing ironworkers; tilesetters.
9. **Production Occupations.** Assemblers; food processing occupations; inspectors, testers and graders; metalworking and plastics-working occupations; plant and systems operators, printing occupations; textile, apparel and furnishings occupations; woodworking occupations; miscellaneous production operations.
10. **Transportation & Material Moving.** Bus drivers; material moving equipment operators; rail transportation occupations; truck drivers; water transportation occupations.
11. **Handlers, Equipment Cleaners, Helpers and Laborers** (not included elsewhere). Entry level jobs not requiring significant training.

h. Employment of Military Spouses. Complete the following table to provide estimated information concerning military spouses who are also employed in the area defined in response to question 1.b., above. **Do not fill in shaded area.**

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1. Percentage of Military Employees Who Are Married:	72.7%
2. Percentage of Military Spouses Who Work Outside of the Home:	80%
3. Break out of Spouses' Location of Employment (Total of rows 3a. through 3d. should equal 100% and reflect the number of spouses used in the calculation of the "Percentage of Spouses Who Work Outside of the Home".	
3a. Employed "On-Base" - Appropriated Fund:	0
3b. Employed "On-Base" - Non-Appropriated Fund:	1%
3c. Employed "Off-Base" - Federal Employment:	15%

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

3d. Employed "Off-Base" - Other Than Federal Employment	84%
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Source of Data (1.h.) Spouse Employment Data): Family Service Center, Survey, PSD, BEQ

2. Infrastructure Data. For each element of community infrastructure identified in the two tables below, rate the community's ability to accommodate the relocation of additional functions and personnel to your activity. Please complete each of the three columns listed in the table, reflecting the impact of various levels of increase (20%, 50% and 100%) in the number of personnel working at the activity (and their associated families). In ranking each category, use one of the following three ratings:

- A - Growth can be accommodated with little or no adverse impact to existing community infrastructure and at little or no additional expense.
- B - Growth can be accommodated, but will require some investment to improve and/or expand existing community infrastructure.
- C - Growth either cannot be accommodated due to physical/environmental limitations or would require substantial investment in community infrastructure improvements.

Table 2.a., "Local Communities": This first table refers to the local community (i.e., the community in which the base is located) and its ability to meet the increased requirements of the installation.

Table 2.b., "Economic Region": This second table asks for an assessment of the infrastructure of the economic region (those counties identified in response to question 1.b., (page 3) - taken in the aggregate) and its ability to meet the needs of additional employees and their families moving into the area.

For both tables, annotate with an asterisk (*) any categories which are wholly supported on-base, i.e., are not provided by the local community. These categories should also receive an A-B-C rating. Answers for these "wholly supported on-base" categories should refer to base infrastructure rather than community infrastructure.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

a. **Table A: Ability of the local community to meet the expanded needs of the base.**

1) Using the A - B - C rating system described above, complete the table below.

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing	A	B	C
Schools - Public	A	A	B
Schools - Private	A	A	A
Public Transportation - Roadways	A	A	A
Public Transportation - Buses/Subways	A	A	A
Public Transportation - Rail	N/A		
Fire Protection	A	A	A
Police	A	A	A
Health Care Facilities	A	A	A
Utilities:			
Water Supply	A	B	C
Water Distribution	A	A	A
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	A
Wastewater Treatment	A	A	B
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Category	20% Increase	50% Increase	100% Increase
Recreational Activities	A	A	A

Remember to mark with an asterisk any categories which are wholly supported on-base.

2) For each rating of "C" identified in the table on the preceding page, attach a brief narrative explanation of the types and magnitude of improvements required and/or the nature of any barriers that preclude expansion.

Off-base Housing: Housing is in extremely high demand. Population increase requires additional housing units.

Water Supply: Significant population increase requires increase in pumping capacity.

Source of Data (2.a. 1) & 2) - Local Community Table): NAVMAGLLL SCE

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

b. Table B: Ability of the region described in the response to question 1.b. (page 3) (taken in the aggregate) to meet the needs of additional employees and their families relocating into the area.

1) Using the A - B - C rating system described above, complete the table below.

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing	A	A	B
Schools - Public	A	A	B
Schools - Private	A	A	A
Public Transportation - Roadways	A	A	A
Public Transportation - Buses/Subways	A	A	A
Public Transportation - Rail	N/A	N/A	N/A
Fire Protection	A	A	A
Police	A	A	A
Health Care Facilities	A	A	A
Utilities:			
Water Supply	A	A	B
Water Distribution	A	A	A
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	A
Wastewater Treatment	A	A	A
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A
Recreation Facilities	A	A	A

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Remember to mark with an asterisk any categories which are wholly supported on-base.

2) For each rating of "C" identified in the table on the preceding page, attach a brief narrative explanation of the types and magnitude of improvements required and/or the nature of any barriers that preclude expansion.

N/A

Source of Data (2.b. 1) & 2) - Regional Table): NAVMAGLLL SCE

3. Public Facilities Data:

- a. **Off-Base Housing Availability.** For the counties identified in the response to question 1.b. (page 3), in the aggregate, estimate the current average vacancy rate for community housing. Use current data or information identified on the latest family housing market analysis. For each of the categories listed (rental units and units for sale), combine single family homes, condominiums, townhouses, mobile homes, etc., into a single rate:

Rental Units: 1,569 (3.9%)*

Units for Sale: 5,489 (1.3% homeowner vacancy rate)*

* If percentage is used

Source of Data (3.a. Off-Base Housing): Honolulu Board of Realtors - Research Dept.; U. S. Dept of Commerce, Bureau of Census, Annual Statistics, 1993, Current Housing Report

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

b. Education.

1) Information is required on the current capacity and enrollment levels of school systems serving employees of the activity. Information should be keyed to the counties identified in the response to question 1.b. (page 3).

School District	County	Number of Schools			Enrollment		Pupil-to-Teacher Ratio		Does School District Serve Gov't Housing Units? *
		Elementary	Middle	High	Current	Max.	Current	Max.	
PUBLIC SCHOOLS: HONOLULU	HONOLULU	39	9	6	34,577	Note 1	Note 2	Note 2	YES
CENTRAL	HONOLULU	29	6	6	35,985	Note 1	Note 2	Note 2	YES
LEEWARD	HONOLULU	28	5	5	32,126	Note 1	Note 2	Note 2	YES
WINDWARD	HONOLULU	24	5	5	19,785	Note 1	Note 2	Note 2	YES
PRIVATE SCHOOLS: HONOLULU	HONOLULU	31	Note 3	17	20,776	Note 4	Note 4	Note 4	YES
CENTRAL	HONOLULU	12	Note 3	2	2,491	Note 4	Note 4	Note 4	YES
LEEWARD	HONOLULU	17	Note 3	3	1,919	Note 4	Note 4	Note 4	YES
WINDWARD	HONOLULU	11	Note 3	3	2,515	Note 4	Note 4	Note 4	YES

* Answer "Yes" in this column if the school district in question enrolls students who reside in government housing.

Source of Data (3.b.1) Education Table): State of Hawaii, Department of Education, 1993-1994 Annual Report

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

(2) Are there any on-base "Section 6" Schools? If so, identify number of schools and current enrollment.

NONE

Source of Data (3.b.2) On-Base Schools):

Note 1: Public school system is at maximum capacity but can't refuse to enroll students.

Note 2: Public school ratios are: K-2 20:1; 3-12, 26:1.

Note 3: Private school structures are K-8 and K-10 or K-12.

Note 4: Data not available. Varies throughout individual private schools.

3) For the counties identified in the response to question 1.b. (page 3), in the aggregate, list the names of undergraduate and graduate colleges and universities which offer certificates, Associate, Bachelor or Graduate degrees :

Graduate Schools

Brigham Young University

Chaminade University

Hawaii Pacific University

University of Hawaii

* Wayland Baptist University

* Central Michigan University

* University of Oklahoma

* Troy State University

Undergraduate Schools

Leeward Community College

Kapiolani Community College

Windward Community College

Brigham Young University

Chaminade University

Hawaii Pacific University

University of Hawaii

West Oahu College

* Intended to provide educational opportunities for service members and their adult dependents only.

Source of Data (3.b.3) Colleges): Hawaii State Department of Education.

4) For the counties identified in the response to question 1.b. (page 3), in the aggregate, list the names and major curriculums of vocational/technical training schools:

Vocational/Technical Training Schools

Oriental Medical Institute

Tai Huaun Foundation

Major Curriculum

Acupuncture

Acupuncture

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New York Technical Institute of Hawaii	Automotive
Hawaii Institute of Hair	Barbering
Hawaii Business College	Business/Commercial
Denver Business College	Business/Commercial
Intercultural Communications Institute	Business/Commercial
Ross College of Court Reporting	Business/Commercial
*Heald Business College	Business/Commercial
Electronics Institute	Electronics
H & R Block Tax Tuition School	Income Tax Preparation
Asian Shiatsu School	Massage
Honolulu School of Massage	
American Institute of Massage Therapy	Massage
Med-Assist School of Hawaii	Medical
Continental Security School	Security
Travel Institute of the Pacific	Travel/Tourism
Travel University Internation	Travel/Tourism
Travel's Choice School of Travel	Travel/Tourism
Windward Travel Institute	Travel
Fashion Center	Dressmaking/Tailoring/Designing
Style Center School of Fashion Design	Dressmaking/Tailoring/Designing
* Embry Riddle Aeronatical	Pilot Training

*Intended to provide educational opportunities for service members and their adult dependents only.

<p>Source of Data (3.b.4) Vo-tech Training): 1993-1994 Directory, Office of the superintendent, Department of Education, State of Hawaii</p>

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c. Transportation.

1) Is the activity served by public transportation?

	<u>Yes</u>	<u>No</u>
Bus:	___	<u>X</u>
Rail:	___	<u>X</u>
Subway:	___	<u>X</u>
Ferry:	___	<u>X</u>

Source of Data (3.c.1) Transportation): Hawaii State Department of Transportation

2) Identify the location of the nearest passenger railroad station (long distance rail service, not commuter service within a city) and the distance from the activity to the station.

No railroad system

Source of Data (3.c.2) Transportation): Hawaii State Department of Transportation

3) Identify the name and location of the nearest commercial airport (with public carriers, e.g., USAIR, United, etc.) and the distance from the activity to the airport.

Honolulu International Airport is located 24.41 miles from Lualualei, 16.39 miles from West Loch and 9.91 miles from Waikele.

Source of Data (3.c.3) Transportation): Hawaii State Department of Transportation

4) How many carriers are available at this airport?

33 regularly scheduled carriers (includes passenger, cargo, international and domestic)

Source of Data (3.c.4) Transportation): Hawaii State Department of Transportation

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5) What is the Interstate route number and distance, in miles, from the activity to the nearest Interstate highway?

Lualualei Branch	8.7 miles (H-1)
West Loch Branch	5.5 miles (H-1)
Waikele Branch	2.0 miles (H-1)

**Source of Data (3.c.5) Transportation): Hawaii State Department of Transportation
- Airport Division**

6) Access to Base:

a) Describe the quality and capacity of the road systems providing access to the base, specifically during peak periods. (Include both information on the area surrounding the base and information on access to the base, e.g., numbers of gates, congestion problems, etc.)

Access is by two lane roads which branch off of 4 lane roads which branch off a divided freeway. Quality is good, but 4 lane roads and freeway are backed up during rush hours.

b) Do access roads transit residential neighborhoods?

Yes

c) Are there any easements that preclude expansion of the access road system?

Expansion is limited by utility easements and by adjacent private and government-owned land.

d) Are there any man-made barriers that inhibit traffic flow (e.g., draw bridges, etc.)?

No

Source of Data (3.c.6) Transportation): NAVMAG LLL, SCE

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d. **Fire Protection/Hazardous Materials Incidents.** Does the activity have an agreement with the local community for fire protection or hazardous materials incidents? Explain the nature of the agreement and identify the provider of the service.

Agreement is with Naval Station Federal Fire Department that fire protection will be provided. There are fire stations located at each of 2 branches. City and County of Honolulu provide additional protection, as required/requested.

Source of Data (3.d. Fire/Hazmat): ISA between NAVMAGLLL and Naval Station

e. **Police Protection.**

1) What is the level of legislative jurisdiction held by the installation?

Station Federal Police Officers and City and County Police Department have concurrent jurisdiction.

2) If there is more than one level of legislative jurisdiction for installation property, provide a brief narrative description of the areas covered by each level of legislative jurisdiction and whether there are separate agreements for local law enforcement protection.

No

3) Does the activity have a specific written agreement with local law enforcement concerning the provision of local police protection?

An agreement exists with the Police Department, City and County of Honolulu for SWAT assistance.

4) If agreements exist with more than one local law enforcement entity, provide a brief narrative description of whom the agreement is with and what services are covered.

N/A

5) If military law enforcement officials are routinely augmented by officials of other federal agencies (BLM, Forest Service, etc.), identify any written agreements covering such services and briefly describe the level of support received.

Source of Data (3.e. 1) - 5) - Police): NAVMAG LLL Security Detachment

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f. Utilities.

1) Does the activity have an agreement with the local community for water, refuse disposal, power or any other utility requirements? Explain the nature of the agreement and identify the provider of the service.

NO

2) Has the activity been subject to water rationing or interruption of delivery during the last five years? If so, identify time period during which rationing existed and the restrictions imposed. Were activity operations affected by these situations? If so, explain extent of impact.

NO

3) Has the activity been subject to any other significant disruptions in utility service, e.g., electrical "brown outs", "rolling black outs", etc., during the last five years? If so, identify time period(s) covered and extent/nature of restrictions/disruption. Were activity operations affected by these situations? If so, explain extent of impact.

NO

Source of Data (3.f. 1) - 3) Utilities): NAVMAGLLL SCE

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4. **Business Profile.** List the top ten employers in the geographic area defined by your response to question 1.b. (page 3), taken in the aggregate, (include your activity, if appropriate):

Employer	Product/Service	No. of Employees
1. Hawaii State Government	Education, Planning Management	65,441
2. Federal Government	Defense & Non-Defense Agencies	30,100
3. City and County Government	Planning/Management	11,081
4. GTE Hawaiian Telephone	Product: Telecommunications & Services	3,673
5. Bankcorp-Hawaii Inc.	Bank Holding Co.	3,348
6. The Queen's Health system	Health Care Service	3,200
7. Kyo-Ya Company, Ltd	Insurance Agency, Hotels, Restaurants, & retail	3,150
8. Kaiser Permanente	Health Care Services	3,000
9. Hawaiian Electric Industries, Inc.	Electric, financial services and marine development	2,580
10. Outrigger Hotels, HI	Full lodging and Hospitality Services	2,500

Source of Data (4. Business Profile): Department of Labor, Hawaii Business, Aug 93; City and County of Honolulu Record Sections, Individual Employers.

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5. **Other Socio-Economic Impacts.** For each of the following areas, describe other recent (past 5 years), on-going or projected economic impacts (both positive and negative) on the geographic region defined by your response to question 1.b. (page 3), in the aggregate:

a. Loss of Major Employers:

There has been no loss of major employers with the past five years, however, there have been downward trends in construction, agriculture and retail. The shutdown of the Dole Food Company in Iwilei was attributed to a decrease in pineapple plantations. The decline of small business and closing of some retail outlets and hotels has followed the same downward trend as the Mainland.

b. Introduction of New Businesses/Technologies:

Retail establishments on Oahu (i.e., K-Mart, Sam's Club, Eagle Hardware, City Mill and Wal-Mart) and factory outlets in Waikale have opened, or will soon be opened, in the past two years. Future tenants are negotiating for possible openings at the Mililani Technology Park.

c. Natural Disasters:

The initial negative impact has been due to the loss of tourism as result of Hurricane Iniki in 1992. Per Hawaii State Civil Defense, damages for the City and County of Honolulu was estimated at \$30 million which included property damage and damages in agriculture. Although the construction industry has declined it should witness a positive side caused by Iniki as the state continues to rebuild.

d. Overall Economic Trends:

Visitors: In sharp contrast with its peak in 1990, when industry tallied nearly 7 million visitor arrivals, generated \$9 billion in revenues and signed two out of every five paychecks in Hawaii, tourism today is humbled. Fewer visitors, sagging occupancies, widespread cost-cutting, distress sales of money-losing hotels and a string of bankruptcies have shattered its late 1980s illusion of unstoppable momentum.

Construction: Innovators are thriving in a landscape with fewer building cranes and scaffolds, but prospects for most of Hawaii's construction industry are bleak. As the economy tightens further in 1994 it is likely that adaption will make even more of a difference between success and failure.

Summary: As the economy tightens in 1994 Hawaii's economy will remain stagnant through the rest of the year. Although the visitor industry is recovering from three years of decline, prospects for most of Hawaii's construction industry are bleak. According to a business report by Bank of Hawaii, the construction's negative influence on the economy was cited as the most important passing other downward forces such as changes in agriculture and retail. If tourism has the potential to lead Hawaii's economic recovery with low single-digit percentage growth in 1994-95 construction is the economy's weak spot.

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**Source of Data (5. Other Socio/Econ): Hawaii Business Magazine, 1/94 & 3/94;
Honolulu Star Bulletin, 7/13/94; Bank of Hawaii**

6. Other. Identify any contributions of your activity to the local community not discussed elsewhere in this response.

Provides numerous community services including drug free campaign and representation to area school career days; construction help for community projects; Partners in Excellence in area schools; active participation on numerous community/civil action committees and boards.

Source of Data (6. Other): Military members from activity, PAO.

BRAC-95 CERTIFICATION DATA CALL SIXTY FIVE

NAVMAG LUALUALEI

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. J. KELLY

NAME (Please type or print)

R. J. Kelly
Signature

Commander In Chief

Title

3 Aug 94

Date

U. S. Pacific Fleet

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

W. A. Earner

Signature

Title

8/24/94

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

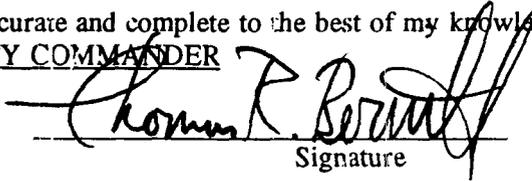
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

THOMAS R. BERNITT, CAPT, USN
NAME (Please type or print)


Signature

Commanding Officer
Title

19 JULY 1994
Date

Naval Magazine Lualualei
Activity

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

Monique M. Garcia
NAME (Please type or print)

Monique M. Garcia
Signature

Asst Admin/Legal Officer
Title

15 JULY 1994
Date

Office Services
Division

Administrative Dept.
Department

Naval Magazine Lualualei
Activity

Enclosure (1)

BRAC-95 CERTIFICATION

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

Iris K. Hirota
NAME (Please type or print)

Iris K. Hirota
Signature

Budget Officer
Title

7-13-94
Date

Fiscal
Division

Supply/Fiscal
Department

Naval Magazine Lualualei
Activity

Enclosure (1)

BRAC-95 CERTIFICATION

DATA CALL 65

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

LT MARK THOMPSON

NAME (Please type or print)



Signature

SUPPLY OFFICER

Title

13 July 94

Date

Division

SUPPLY/FISCAL

Department

NAVMA6 LCC

Activity

Document Separator

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**DATA CALL 63
 FAMILY HOUSING DATA**

Information on Family Housing is required for use in BRAC-95 return on investment calculations.

Installation Name:	NAVY MAG LUALUALEI
Unit Identification Code (UIC):	N68297
Major Claimant:	CINCPACFLT

Percentage of Military Families Living On-Base:	78%
Number of Vacant Officer Housing Units:	0
Number of Vacant Enlisted Housing Units:	0
FY 1996 Family Housing Budget (\$000):	\$697
Total Number of Officer Housing Units:	9
Total Number of Enlisted Housing Units:	65

Note: All data should reflect figures as of the beginning of FY 1996. If major DON installations share a family housing complex, figures should reflect an estimate of the installation's prorated share of the family housing complex.

Enclosure (1)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
7/20/94
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Title


Signature
7/25/94
Date

DATA CALL 63
BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

L. R. PYLANT, CAPT, CEC, USN
NAME

Acting Commander
Title

Pacific Division
Naval Facilities Engineering Command
Activity


Signature

15 July 1994
Date