



Restoration | Appendix K: Base Realignment and Closure Environmental Restoration Progress

The Base Realignment and Closure (BRAC) process is used by the Department of Defense (DoD) to increase operational readiness, facilitate new ways of doing business, and reorganize its installation infrastructure to more efficiently and effectively support its forces. At BRAC installations, environmental cleanup relies on the principles of protecting human health and the environment, making property available for reuse and transfer, and providing effective community involvement. This appendix details the environmental status of property at DoD installations closed or realigned under the BRAC process.

Legacy BRAC

The first BRAC round was authorized by Congress in 1988 (BRAC I), followed by three additional rounds in 1991 (BRAC II), 1993 (BRAC III), and 1995 (BRAC IV). Some type of environmental restoration was required at 208 of the 497 installations identified for closure or realignment during these first four BRAC rounds, referred to as the “Legacy BRAC” rounds. To address the environmental contamination at BRAC sites, DoD uses the Defense Environmental Restoration Program (DERP). The DERP contains two main program categories: the Installation Restoration Program (IRP) and the Military Munitions Response Program (MMRP). Throughout the implementation of these

programs, much of the acreage identified in the first four rounds has been transferred to other federal agencies or private entities, and put to productive reuse. Additionally, through the elimination of this excess infrastructure and real property, the tax burden on the American public has been significantly reduced, and thousands of jobs have been created on the property once occupied by closed installations.

BRAC 2005

Most recently, Congress amended the Defense Base Closure and Realignment Act to authorize the BRAC V Round in December 2001. Following this amendment, the BRAC selection process began with a list of DoD recommendations provided on May 13, 2005. In November of that year, Congress allowed recommendations by the independent commission (BRAC Commission) to become law.

BRAC 2005 was designed by DoD to build upon the processes used in previous BRAC efforts; to continue to efficiently clean up installations; and to put surplus property back into successful economic and community use. BRAC 2005 differs from the previous BRAC rounds because few of the BRAC I–IV installations had any significant environmental investigation or cleanup work completed, whereas

the majority of the installations closed under BRAC 2005 have been performing environmental remediation work for many years. The BRAC V closure and realignment process must be completed by September 15, 2011, while environmental restoration will continue as necessary.

Early Transfer Authority

DoD is consistently working to develop innovative tools and techniques such as Early Transfer Authority (ETA) to meet emerging challenges, and improve the management and implementation of environmental restoration at BRAC installations. These tools help the environmental cleanup, transfer, and reuse of BRAC property move forward, while still ensuring the protection of human health and the environment.

When Congress amended the Comprehensive Environmental Response, Compensation, and Liability Act in 1996, ETA was introduced as a mechanism by which a state governor or the EPA Administrator could approve a property transfer before all environmental remediation was completed. The streamlined land disposal process provided beneficial reuse of the land faster than traditional cleanup and transfer methods. Both steps, cleanup and redevelopment, occur simultaneously, taking advantage of the inherent cost savings of addressing remediation requirements in conjunction with redevelopment, planning, and construction.

After the property transfer has been negotiated, DoD implements a conveyance authority to guide the transfer and reuse of the installation property. The two primary types of conveyance authorities used by DoD include public benefit conveyance (PCB) and economic development conveyance (EDC). As shown in Figure K-1, the Air Force transferred 431.64 acres of BRAC property utilizing ETA in FY2007.

DoD BRAC Progress

Through FY2007, DoD had identified a total of 5,415 BRAC sites. The IRP encompasses 5,078 of these sites, while 337 of the sites are munitions response sites (MRSs) addressed under the MMRP. Figure K-2 shows the distribution of BRAC sites by Component, while Figure K-3 displays DERP site status by cleanup phase.

The Department has achieved the response complete (RC) milestone at approximately 69 percent of all BRAC sites to date (3,572 IRP sites and 180 MRSs), as illustrated in Figures K-4 through K-6.

Figure K-1 BRAC ETA Acreage

Air Force			
Installation Name	Date Transferred	Conveyance	Acres- # Transferred
March AFB (#1)	September 2007	PBC	93.32
March AFB (#2)	September 2007	EDC	25.08
March AFB (#3)	September 2007	EDC	5.72
March AFB (#4)	September 2007	EDC	164.62
McClellan AFB (#1)	September 2007	EDC	82.22
McClellan AFB (#2)	September 2007	EDC	60.68
Total			431.64

Figure K-2 BRAC Installations Site Status by Component

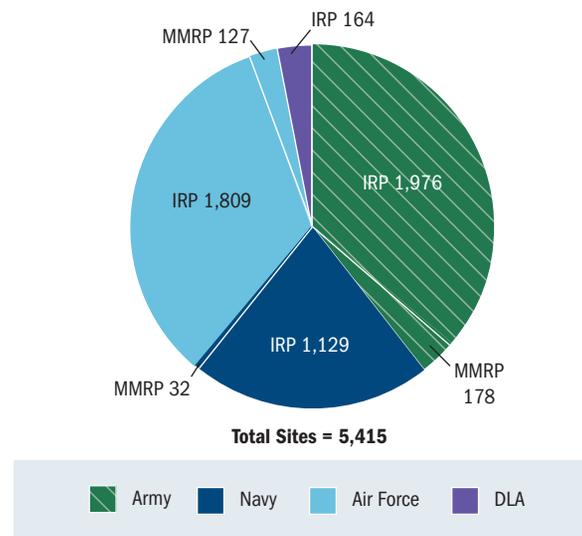
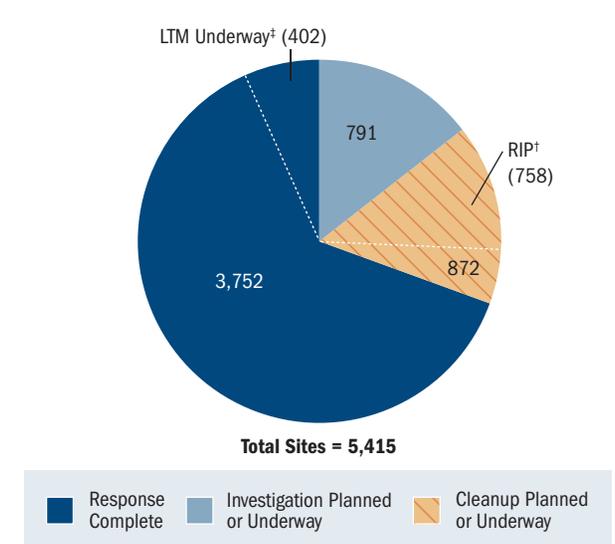


Figure K-3 BRAC Installations Site Status by Cleanup Phase**



*Includes IRP, MMRP, and BD/DR sites.

†RIP is a subset of Cleanup Planned or Underway.

‡LTM is a subset of Response Complete.

BRAC Funding

DoD has shifted BRAC resources towards funding cleanup activities over the past 10 years, as less funding was needed for investigation activities. In FY2007, DoD obligated \$433.4 million for BRAC restoration activities, including program management; \$371.7 million was invested at IRP sites, and \$61.8 million for the MMRP's MRSs.

The trend to shift resources extends through the end of the environmental restoration program, evident in DoD's IRP and MMRP cost-to-complete (CTC) estimates to fulfill environmental restoration requirements for BRAC installations. This data demonstrates program progress by showing that funding estimates for the investigation phases in the restoration process are expected to continue to decrease, while funding for cleanup phases will increase. Additional information on the BRAC budget is available in Appendix D: Restoration Budget Overview.

Component Progress

The BRAC process has impacted each Component. To ensure progress, DoD is developing IRP and MMRP metrics for each BRAC round. DoD is currently working towards establishing remedy in place (RIP) and RC goals for BRAC I-IV. DoD has not established environmental remediation goals for sites identified during the 2005 BRAC Round. Figures K-7 through K-18 provide detailed BRAC site status and CTC data by Component.

Figure K-4 DoD BRAC Installations Site Status by Relative Risk

Sites by Classification			
IRP Sites		MMRP Sites	
Response Complete	3,572	Response Complete	180
High	252	MRSPP-1	0
Medium	132	MRSPP-2	0
Low	114	MRSPP-3	6
Not Evaluated	258	MRSPP-4	7
Not Required	750	MRSPP-5	0
Total IRP Sites	5,078	MRSPP-6	4
RAC-1	0	MRSPP-7	0
RAC-2	0	MRSPP-8	4
RAC-3	0	Evaluation Pending	91
RAC-4	0	Not Known/ Suspected	2
RAC-5	1	No Longer Required	8
Evaluation Pending	34	Total MMRP Sites	337
Total Number of IRP Properties with Sites			223
Total Number of MMRP Properties with Sites			73

Figure K-5 DoD BRAC Installations Site Status by Cleanup Phase

Phase	Completed		Underway		Future	
	IRP	MMRP	IRP	MMRP	IRP	MMRP
	Sites (Actions)					
Study	4,405	219	655	114	18	4
IRA	1,390 (1,885)	15 (18)	251 (261)	6 (6)	--	--
Design	704	2	38	2	390	51
RA-C	1,023	50	103	11	485	79
RA-O	164	1	261	3	132	6
LTM	157	2	429	17	503	82

Figure K-6 DoD BRAC Installations Budget and CTC Estimates*

Phase	Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs (\$000)		
	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP
Study	\$2,244,678	\$87,221	\$79,104	\$54,547	\$41,797	\$27,459	\$31,914	\$18,841	FY2010	\$138,169	\$53,636
IRA	\$968,500	\$19,796	\$92,271	\$1,233	\$86,704	\$5,029	\$39,565	\$5,914	FY2011	\$157,480	\$30,886
Design	\$299,318	\$21,009	\$1,966	\$60	\$1,925	\$0	\$19,875	\$3,085	FY2012	\$151,242	\$65,585
RA-C	\$2,512,763	\$187,214	\$30,810	\$4,874	\$119,550	\$53,718	\$101,696	\$14,497	FY2013	\$165,105	\$82,089
RA-O	\$694,836	\$995	\$66,131	\$470	\$67,179	\$85	\$77,738	\$52	FY2008-Complete IRP		\$2,934,227
LTM	\$260,285	\$10,695	\$38,610	\$596	\$20,079	\$1,549	\$17,665	\$561	FY2008-Complete MMRP		\$947,306
Total	\$6,980,380	\$326,930	\$308,892	\$61,780	\$337,234	\$87,840	\$288,453	\$42,950	FY2008-Complete		\$3,881,533

* Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.

Army

The Army had 1,976 IRP sites at BRAC installations in FY2007, marking an increase of nine sites since the end of FY2006. Through FY2007, 1,809 Army BRAC IRP sites had achieved RIP/RC status.

As of FY2007, Army BRAC installations had 178 MRSs; 87 sites had achieved RIP/RC status, and 91 sites had cleanup or investigations underway.

The Army obligated \$124.6 million in BRAC funding in FY2007: \$70.6 million for IRP sites and \$54.0 million for MRSs. FY2007 obligations include program management costs, but exclude planning and compliance costs. The estimated CTC for Army BRAC IRP sites is \$599.8 million and \$794.2 million for MRSs. Detailed information on the Army's BRAC I-V efforts is displayed in Figures K-7 through K-9.

Figure K-7 Army BRAC Installations Site Status by Relative Risk

Sites by Classification			
IRP Sites		MMRP Sites	
Response Complete	1,767	Response Complete	87
High	65	MRSPP-1	0
Medium	37	MRSPP-2	0
Low	65	MRSPP-3	2
Not Evaluated	0	MRSPP-4	0
Not Required	42	MRSPP-5	0
Total IRP Sites	1,976	MRSPP-6	0
RAC-1	0	MRSPP-7	0
RAC-2	0	MRSPP-8	0
RAC-3	0	Evaluation Pending	89
RAC-4	0	Not Known/ Suspected	0
RAC-5	0	No Longer Required	0
Evaluation Pending	0	Total MMRP Sites	178
Total Number of IRP Installations with Sites			127
Total Number of MMRP Installations with Sites			38

Figure K-8 Army BRAC Installations Site Status by Cleanup Phase

Phase	Completed		Underway		Future	
	IRP	MMRP	IRP	MMRP	IRP	MMRP
	Sites (Actions)					
Study	1,831	93	145	85	0	0
IRA	216 (264)	12 (15)	4 (4)	5 (5)	--	--
Design	352	2	11	2	43	40
RA-C	509	13	34	4	82	65
RA-O	30	1	49	0	22	2
LTM	41	2	80	9	130	69

Figure K-9 Army BRAC Installations Budget and CTC Estimates*

Phase	Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs (\$000)		
	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP
Study	\$596,607	\$73,945	\$45,513	\$50,691	\$8,014	\$22,667	\$4,876	\$14,777	FY2010	\$37,125	\$53,531
IRA	\$50,732	\$19,585	\$291	\$1,108	\$807	\$941	\$2,474	\$5,914	FY2011	\$43,999	\$27,619
Design	\$97,401	\$21,009	\$0	\$60	\$136	\$0	\$318	\$0	FY2012	\$37,323	\$64,938
RA-C	\$1,029,377	\$172,268	\$1,524	\$1,556	\$18,716	\$21,397	\$12,664	\$3,548	FY2013	\$50,951	\$81,583
RA-O	\$68,265	\$525	\$5,657	\$0	\$16,110	\$0	\$16,130	\$0	FY2008-Complete IRP		\$599,812
LTM	\$91,312	\$10,695	\$2,189	\$596	\$5,556	\$949	\$5,763	\$506	FY2008-Complete MMRP		\$795,672
Total	\$1,933,694	\$298,027	\$55,174	\$54,011	\$49,339	\$45,954	\$42,225	\$24,745	FY2008-Complete		\$1,395,484

*Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.

Navy

The Department of the Navy (DON), which includes the Navy and Marine Corps, is responsible for 1,129 BRAC IRP sites at 62 installations requiring environmental restoration, an increase of five sites from FY2006. In FY2007, DON had achieved RIP/RC at 978 sites. Of the remaining 151 sites, DON had investigations planned or underway at 111 sites.

As of the end of FY2007, there were 32 MRSs at DON BRAC installations. DON had achieved RC at one MRS, cleanup planned or underway at 10 sites, and investigation planned or underway at 21 sites.

Through FY2007, DON's environmental restoration work at BRAC installations totaled \$2.6 billion. In FY2007, DON obligated \$194.8 million for environmental restoration work at these installations, including program management but not planning and compliance costs. The total IRP CTC at DON's BRAC installations is estimated at \$1.3 billion. MMRP completion costs at BRAC installations are estimated at \$146.5 million. Detailed information on the Navy's BRAC I-V efforts is displayed in Figures K-10 through K-12.

Figure K-10 Navy BRAC Installations Site Status by Relative Risk

Sites by Classification			
IRP Sites		MMRP Sites	
Response Complete	422	Response Complete	1
High	69	MRSPP-1	0
Medium	32	MRSPP-2	0
Low	17	MRSPP-3	4
Not Evaluated	33	MRSPP-4	7
Not Required	556	MRSPP-5	0
Total IRP Sites	1,129	MRSPP-6	4
RAC-1	0	MRSPP-7	0
RAC-2	0	MRSPP-8	4
RAC-3	0	Evaluation Pending	2
RAC-4	0	Not Known/Suspected	2
RAC-5	0	No Longer Required	8
Evaluation Pending	0	Total MMRP Sites	32
Total Number of IRP Installations with Sites			62
Total Number of MMRP Installations with Sites			9

Figure K-11 Navy BRAC Installations Site Status by Cleanup Phase

Phase	Completed		Underway		Future	
	IRP	MMRP	IRP	MMRP	IRP	MMRP
Study	1,018	11	93	17	18	4
IRA	323 (381)	1 (1)	13 (13)	1 (1)	--	--
Design	220	0	22	0	63	10
RA-C	320	1	56	7	75	11
RA-O	45	0	56	3	46	3
LTM	92	0	60	0	66	6

Figure K-12 Navy BRAC Installations Budget and CTC Estimates*

Phase	Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs (\$000)		
	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP
Study	\$886,867	\$12,623	\$22,784	\$3,683	\$21,977	\$3,482	\$19,724	\$3,359	FY2010	\$2,440	\$83
IRA	\$521,792	\$211	\$70,433	\$125	\$68,669	\$4,088	\$25,766	\$0	FY2011	\$5,377	\$2,405
Design	\$61,750	\$0	\$1,061	\$0	\$1,570	\$0	\$6,408	\$3,085	FY2012	\$7,465	\$143
RA-C	\$782,061	\$14,946	\$24,964	\$3,318	\$89,039	\$32,321	\$75,197	\$10,949	FY2013	\$440	\$0
RA-O	\$150,240	\$470	\$12,729	\$470	\$9,142	\$85	\$19,801	\$52	FY2008-Complete IRP		\$1,334,873
LTM	\$94,137	\$0	\$31,395	\$0	\$5,333	\$0	\$3,871	\$55	FY2008-Complete MMRP		\$146,538
Total	\$2,496,847	\$28,250	\$163,366	\$7,596	\$195,730	\$39,976	\$150,767	\$17,500	FY2008-Complete		\$1,481,411

*Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.

Air Force

The Air Force managed cleanup activities for 1,809 IRP sites at BRAC installations in FY2007. The Air Force had achieved RIP/RC status at 1,376 of these sites, or 76 percent of Air Force BRAC IRP sites.

Through FY2007, the Air Force had identified 127 MRSs at its BRAC installations and began evaluating requirements at these MRSs, achieving RIP/RC at 93 sites, or 73 percent. This evaluation will continue in FY2008, as the Air Force works with regulators to develop and adopt remedies to expedite decision processes and response actions at MRSs.

After obligating \$108.1 million in FY2007, the Air Force's environmental restoration work at BRAC installations has totaled \$2.4 billion. Obligations for the reporting year include program management costs, but exclude planning and compliance costs. As of the end of FY2007, the Air Force BRAC site-level CTC was approximately \$983.0 million. Detailed information on the Air Force's BRAC efforts is displayed in Figures K-13 through K-15.

Figure K-13 Air Force BRAC Installations Site Status by Relative Risk

Sites by Classification			
IRP Sites		MMRP Sites	
Response Complete	1,226	Response Complete	92
High	116	MRSPP-1	0
Medium	60	MRSPP-2	0
Low	32	MRSPP-3	0
Not Evaluated	225	MRSPP-4	0
Not Required	150	MRSPP-5	0
Total IRP Sites	1,809	MRSPP-6	0
RAC-1	0	MRSPP-7	0
RAC-2	0	MRSPP-8	0
RAC-3	0	Evaluation Pending	0
RAC-4	0	Not Known/Suspected	0
RAC-5	1	No Longer Required	0
Evaluation Pending	34	Total MMRP Sites	127
Total Number of IRP Installations with Sites			32
Total Number of MMRP Installations with Sites			26

Figure K-14 Air Force BRAC Installations Site Status by Cleanup Phase

Phase	Completed		Underway		Future	
	IRP	MMRP	IRP	MMRP	IRP	MMRP
	Sites (Actions)					
Study	1,392	115	417	12	0	0
IRA	830 (1,214)	2 (2)	229 (239)	0 (0)	--	--
Design	111	0	0	0	284	1
RA-C	166	36	8	0	328	3
RA-O	89	0	149	0	64	1
LTM	23	0	289	8	283	7

Figure K-15 Air Force BRAC Installations Budget and CTC Estimates*

Phase	Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs (\$000)		
	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP
Study	\$743,839	\$653	\$10,357	\$173	\$11,568	\$1,310	\$7,314	\$705	FY2010	\$96,286	\$22
IRA	\$389,523	\$0	\$21,547	\$0	\$17,228	\$0	\$11,325	\$0	FY2011	\$105,677	\$862
Design	\$123,230	\$0	\$0	\$0	\$219	\$0	\$13,149	\$0	FY2012	\$103,948	\$504
RA-C	\$664,499	\$0	\$3,170	\$0	\$9,390	\$0	\$13,835	\$0	FY2013	\$111,115	\$506
RA-O	\$454,020	\$0	\$45,327	\$0	\$41,317	\$0	\$39,542	\$0	FY2008-Complete IRP		\$977,901
LTM	\$74,057	\$0	\$4,988	\$0	\$9,169	\$600	\$8,010	\$0	FY2008-Complete MMRP		\$5,096
Total	\$2,449,168	\$653	\$85,389	\$173	\$88,891	\$1,910	\$93,175	\$705	FY2008-Complete		\$982,997

*Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.

DLA

In FY2007, the Defense Logistics Agency (DLA) continued to make progress toward reaching DoD's management goals for completing environmental restoration actions at sites on their BRAC installations. DLA had 164 IRP sites at BRAC installations, of which 159 had achieved RIP/RC through FY2007. To date, DLA has not identified any MRSs.

In FY2007, DLA obligated \$6.0 million for restoration activities at IRP sites at BRAC installations, including program management, but not planning and compliance costs. The estimated CTC for DLA BRAC sites is \$21.6 million. Detailed information on the DLA's BRAC efforts is displayed in Figures K-16 through K-18.

Figure K-16 DLA BRAC Installations Site Status by Relative Risk

Sites by Classification			
IRP Sites		MMRP Sites	
Response Complete	157	Response Complete	0
High	2	MRSPP-1	0
Medium	3	MRSPP-2	0
Low	0	MRSPP-3	0
Not Evaluated	0	MRSPP-4	0
Not Required	2	MRSPP-5	0
Total IRP Sites	164	MRSPP-6	0
RAC-1	0	MRSPP-7	0
RAC-2	0	MRSPP-8	0
RAC-3	0	Evaluation Pending	0
RAC-4	0	Not Known/Suspected	0
RAC-5	0	No Longer Required	0
Evaluation Pending	0	Total MMRP Sites	0
Total Number of IRP Installations with Sites			2
Total Number of MMRP Installations with Sites			0

Figure K-17 DLA BRAC Installations Site Status by Cleanup Phase

Phase	Completed		Underway		Future	
	IRP	MMRP	IRP	MMRP	IRP	MMRP
Study	164	0	0	0	0	0
IRA	21 (26)	0 (0)	5 (5)	0 (0)	--	--
Design	21	0	5	0	0	0
RA-C	28	0	5	0	0	0
RA-O	0	0	7	0	0	0
LTM	1	0	0	0	24	0

Figure K-18 DLA BRAC Installations Budget and CTC Estimates*

Phase	Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs to Complete (\$000)		
	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP
Study	\$17,365	\$0	\$450	\$0	\$238	\$0	\$0	\$0	FY2010	\$2,318	\$0
IRA	\$6,453	\$0	\$0	\$0	\$0	\$0	\$0	\$0	FY2011	\$2,427	\$0
Design	\$16,937	\$0	\$905	\$0	\$0	\$0	\$0	\$0	FY2012	\$2,506	\$0
RA-C	\$36,826	\$0	\$1,152	\$0	\$2,405	\$0	\$0	\$0	FY2013	\$2,599	\$0
RA-O	\$22,311	\$0	\$2,418	\$0	\$610	\$0	\$2,265	\$0	FY2008-Complete IRP		\$21,641
LTM	\$779	\$0	\$38	\$0	\$21	\$0	\$21	\$0	FY2008-Complete MMRP		\$0
Total	\$100,671	\$0	\$4,963	\$0	\$3,274	\$0	\$2,286	\$0	FY2008-Complete		\$21,641

*Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.

BRAC Round Status

Since BRAC implementation began in 1988, DoD has made significant progress in its environmental restoration efforts. Each BRAC round brings new circumstances and challenges relating to realignment and closure efforts; and through each round, DoD is able to successfully implement lessons learned from previous rounds. Figures K-19 through K-23 provide detailed site status by BRAC round.

Transfer actions for Naval Activities Puerto Rico and Naval Station Roosevelt Roads are carried out in accordance with procedures outlined in special legislation. Thus, costs for these installations are not attributable with any specific BRAC round and will not be included in the following figures.

Figure K-19 BRAC 1988 Installation Status*

Sites by Classification				Completed		Underway		Future		Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs (\$000)			
IRP Sites		MMRP Sites		Phase	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP		
Response Complete	1,015	Response Complete	43																	Sites (Actions)	
High	30	MRSPP-1	0	Study	1,093	56	102	19	0	0	\$439,344	\$1,576	\$2,426	\$471	\$10,836	\$1,532	\$3,924	\$782	FY2010	\$25,141	\$14,824
Medium	12	MRSPP-2	0	IRA	238 (326)	10 (11)	13 (17)	3 (3)	--	--	\$96,817	\$4,213	\$2,002	\$1,108	\$4,037	\$464	\$4,954	\$5,914	FY2011	\$20,245	\$12,604
Low	9	MRSPP-3	0	Design	189	0	4	1	22	8	\$38,963	\$3,141	\$0	\$0	\$136	\$0	\$19	\$0	FY2012	\$31,699	\$15,679
Not Evaluated	60	MRSPP-4	0	RA-C	267	5	6	0	55	18	\$661,007	\$4,772	\$687	\$0	\$7,078	\$977	\$18,655	\$0	FY2013	\$28,203	\$4,198
Not Required	69	MRSPP-5	0	RA-O	22	1	49	0	39	0	\$151,972	\$25	\$13,120	\$0	\$13,280	\$0	\$13,294	\$0	FY2007-Complete IRP		\$369,686
Total IRP Sites	1,195	MRSPP-6	0	LTM	30	2	51	3	73	12	\$38,535	\$1,970	\$1,413	\$118	\$4,278	\$150	\$4,955	\$73	FY2007-Complete MMRP		\$118,921
RAC-1	0	MRSPP-7	0	Total						\$1,426,638	\$15,697	\$19,648	\$1,697	\$40,095	\$3,123	\$45,801	\$6,769	FY2007-Complete		\$488,607	
RAC-2	0	MRSPP-8	0																		
RAC-3	0	Evaluation Pending	16																		
RAC-4	0	Not Known/ Suspected	0																		
RAC-5	0	No Longer Required	0																		
Evaluation Pending	16	Total MMRP Sites	75																		
Total Number of IRP Installations with Sites			87																		
Total Number of MMRP Installations with Sites			13																		

*Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.

Figure K-20 BRAC 1991 Installation Status*

Sites by Classification				Phase	Completed		Underway		Future		Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs (\$000)														
IRP Sites		MMRP Sites			IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP												
Response Complete	1,106	Response Complete	51																														
High	23	MRSPP-1	0	Study	1,223	58	31	22	0	0	\$645,294	\$54,413	\$4,471	\$50,393	\$8,329	\$3,315	\$10,388	\$2,040	FY2010	\$24,534	\$2,913												
Medium	14	MRSPP-2	0	IRA	449 (555)	1 (1)	16 (19)	0 (0)	--	--	\$288,987	\$0	\$43,857	\$0	\$64,908	\$0	\$18,338	\$0	FY2011	\$18,306	\$5,858												
Low	3	MRSPP-3	0	Design	179	0	3	0	8	0	\$103,505	\$8,610	\$258	\$0	\$0	\$1,268	\$0	FY2012	\$18,783	\$8,914													
Not Evaluated	7	MRSPP-4	0	RA-C	230	20	20	2	12	6	\$709,835	\$85,062	\$10,056	\$1,556	\$46,032	\$12,093	\$14,229	\$85	FY2013	\$14,569	\$3,606												
Not Required	101	MRSPP-5	0	RA-O	88	0	89	0	23	0	\$216,908	\$0	\$17,183	\$0	\$22,112	\$0	\$18,109	\$0	FY2007-Complete IRP		\$1,119,016												
Total IRP Sites	1,254	MRSPP-6	0	LTM	29	0	177	9	64	18	\$99,180	\$8,174	\$21,312	\$69	\$3,939	\$949	\$6,298	\$123	FY2007-Complete MMRP		\$203,835												
RAC-1	0	MRSPP-7	0	Total																\$2,063,709	\$156,259	\$97,137	\$52,018	\$145,320	\$16,357	\$68,630	\$2,248	FY2007-Complete		\$1,322,851			
RAC-2	0	MRSPP-8	0																														
RAC-3	0	Evaluation Pending	18																														
RAC-4	0	Not Known/Suspected	0																														
RAC-5	0	No Longer Required	0																														
Evaluation Pending	12	Total MMRP Sites	81																														
Total Number of IRP Installations with Sites			30																														
Total Number of MMRP Installations with Sites			13																														

* Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.

Figure K-21 BRAC 1993 Installation Status*

Sites by Classification				Phase	Completed		Underway		Future		Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs (\$000)			
IRP Sites	MMRP Sites				IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP	
Response Complete	440	Response Complete	26		Sites (Actions)						IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP				
High	42	MRSPP-1	0	Study	879	36	63	9	2	3	\$631,952	\$7,116	\$16,610	\$2,600	\$7,359	\$1,902	\$2,685	\$2,914	FY2010	\$9,073	\$0	
Medium	29	MRSPP-2	0	IRA	283 (359)	1 (1)	10 (13)	1 (1)	--	--	\$331,199	\$211	\$26,629	\$125	\$8,352	\$4,088	\$5,867	\$0	FY2011	\$5,190	\$0	
Low	13	MRSPP-3	3	Design	154	0	15	0	26	7	\$63,141	\$0	\$721	\$0	\$666	\$0	\$4,066	\$2,830	FY2012	\$5,071	\$0	
Not Evaluated	9	MRSPP-4	3	RA-C	220	16	37	5	30	5	\$559,232	\$8,934	\$17,486	\$0	\$43,446	\$502	\$36,116	\$8,255	FY2013	\$4,569	\$0	
Not Required	411	MRSPP-5	0	RA-O	29	0	61	2	37	1	\$102,345	\$309	\$8,919	\$309	\$7,033	\$85	\$10,635	\$0	FY2007-Complete IRP		\$433,947	
Total IRP Sites	944	MRSPP-6	3	LTM	23	0	123	2	76	6	\$58,802	\$0	\$13,604	\$0	\$9,578	\$0	\$3,679	\$55	FY2007-Complete MMRP		\$40,212	
RAC-1	0	MRSPP-7	0								Total	\$1,746,671	\$16,570	\$83,969	\$3,034	\$76,434	\$6,577	\$63,048	\$14,054	FY2007-Complete		\$474,159
RAC-2	0	MRSPP-8	3																			
RAC-3	0	Evaluation Pending	1																			
RAC-4	0	Not Known/Suspected	0																			
RAC-5	0	No Longer Required	6																			
Evaluation Pending	3	Total MMRP Sites	48																			
Total Number of IRP Installations with Sites			36																			
Total Number of MMRP Installations with Sites			11																			

*Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.

Figure K-22 BRAC 1995 Installation Status*

Sites by Classification				Completed		Underway		Future		Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs (\$000)			
IRP Sites		MMRP Sites		Phase	Sites (Actions)						IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP
Response Complete	959	Response Complete	50		IRP	MMRP	IRP	MMRP	IRP	MMRP											
High	130	MRSPP-1	0	Study	1,099	57	411	21	0	0	\$485,276	\$19,841	\$49,778	\$0	\$10,273	\$2,214	\$14,209	\$1,039	FY2010	\$73,009	\$7,342
Medium	71	MRSPP-2	0	IRA	390 (605)	3 (5)	205 (205)	2 (2)	--	--	\$249,794	\$15,372	\$19,000	\$0	\$8,941	\$0	\$9,873	\$0	FY2011	\$104,617	\$1,758
Low	75	MRSPP-3	2	Design	149	2	8	1	303	6	\$93,033	\$9,258	\$962	\$60	\$1,023	\$0	\$14,240	\$0	FY2012	\$84,942	\$3,238
Not Evaluated	150	MRSPP-4	1	RA-C	264	9	22	4	352	17	\$567,584	\$88,446	\$2,141	\$3,318	\$22,959	\$33,457	\$32,432	\$6,153	FY2013	\$114,228	\$8,267
Not Required	125	MRSPP-5	0	RA-O	23	0	39	0	16	3	\$212,115	\$500	\$21,335	\$0	\$21,563	\$0	\$32,724	\$52	FY2007-Complete IRP		\$920,603
Total IRP Sites	1,510	MRSPP-6	0	LTM	69	0	60	3	268	22	\$61,658	\$479	\$1,484	\$337	\$857	\$378	\$1,052	\$270	FY2007-Complete MMRP		\$287,564
										Total	\$1,669,460	\$133,896	\$94,700	\$3,715	\$65,616	\$36,049	\$104,530	\$7,514	FY2007-Complete		\$1,208,167
RAC-1	0	MRSPP-7	0																		
RAC-2	0	MRSPP-8	0																		
RAC-3	0	Evaluation Pending	21																		
RAC-4	0	Not Known/Suspected	0																		
RAC-5	0	No Longer Required	1																		
Evaluation Pending	3	Total MMRP Sites	78																		
Total Number of IRP Installations with Sites			54																		
Total Number of MMRP Installations with Sites			23																		

* Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.

Figure K-23 BRAC 2005 Installation Status*

Sites by Classification				Completed		Underway		Future		Costs Through FY2007 (\$000)		FY2007 Funds Obligated (\$000)		FY2008 Execution Planned (\$000)		FY2009 Planning Estimate (\$000)		Estimated Costs (\$000)												
IRP Sites		MMRP Sites		Phase	Sites (Actions)						IRP	MMRP	IRP	MMRP	IRP	MMRP	IRP	MMRP	Fiscal Year	IRP	MMRP									
Response Complete	52	Response Complete	10		IRP	MMRP	IRP	MMRP	IRP	MMRP																				
High	24	MRSPP-1	0	Study	79	11	36	43	1	1	\$10,549	\$4,275	\$5,819	\$1,083	\$5,000	\$18,496	\$708	\$12,066	FY2010	\$6,412	\$28,517									
Medium	6	MRSPP-2	0	IRA	27 (37)	0 (0)	7 (7)	0 (0)	--	--	\$1,377	\$0	\$783	\$0	\$466	\$477	\$533	\$0	FY2011	\$9,122	\$10,586									
Low	14	MRSPP-3	1	Design	30	0	8	0	10	30	\$25	\$0	\$25	\$0	\$100	\$0	\$282	\$255	FY2012	\$10,747	\$37,714									
Not Evaluated	0	MRSPP-4	3	RA-C	36	0	14	0	13	33	\$4,392	\$0	\$440	\$0	\$35	\$6,689	\$264	\$4	FY2013	\$3,536	\$65,978									
Not Required	20	MRSPP-5	0	RA-O	2	0	21	1	9	2	\$11,496	\$161	\$5,574	\$161	\$3,191	\$0	\$2,976	\$0	FY2007-Complete IRP		\$90,975									
Total IRP Sites	116	MRSPP-6	1	LTM	6	0	18	0	18	24	\$2,110	\$0	\$797	\$0	\$977	\$0	\$1,681	\$0	FY2007-Complete MMRP		\$295,269									
RAC-1	0	MRSPP-7	0	Total																\$29,949	\$4,436	\$13,438	\$1,244	\$9,769	\$25,662	\$6,444	\$12,325	FY2007-Complete		\$386,244
RAC-2	0	MRSPP-8	1																											
RAC-3	0	Evaluation Pending	35																											
RAC-4	0	Not Known/ Suspected	2																											
RAC-5	1	No Longer Required	1																											
Evaluation Pending	0	Total MMRP Sites	55																											
Total Number of IRP Installations with Sites			18																											
Total Number of MMRP Installations with Sites			15																											

*Totals reflect installation project funding allocated to individual sites and do not include program management and other support costs.