

Military Value / Joint Use

Otis Air National Guard Base

The 102nd Fighter Wing maintains a 24/7 continuous air defense alert status providing peacetime surveillance, and ensuring air sovereignty for the Northeast United States.

Its superior location on Cape Cod is ideal because of the strategic coastal location in the Northeast sector of the United States. Otis is ideally positioned near the center of our nation's most heavily traveled international and domestic air corridors. Immediate launch and response times can be achieved to intercept any inbound air traffic. Its location is significant due to its unfettered access to supersonic airspace in the Northeast.

Its strategic location also aligns itself with some of the best training airspace in the United States. The Narragansett Bay Complex is located in the waters adjacent to the coasts of Massachusetts, Rhode Island and Long Island, New York. It is controlled by the Fleet Area Control and Surveillance Facility, Virginia Capes (FACSFAC VACAPES) Naval Air Station (NAS) Oceana.

The complex is composed of the following non-instrumented warning areas and Operating Area (OPAREA):

Warning Area 105 (W-105)
Warning Area 106 (W-106)
Narragansett Bay OPAREA

W-105/W-106/NBOA areas are scheduled for optimum use by apportioning areas for specific users and types of exercises.

The Narragansett Bay OPAREA is an exercise/operating area off Massachusetts, Rhode Island, and New York coasts. It overlaps W-105, W-106, and submarine transit lanes, extending approximately 100 NMI south, and east approximately 220 NMI. The area extends from surface to ocean bottom, and is used for surface and subsurface exercises.

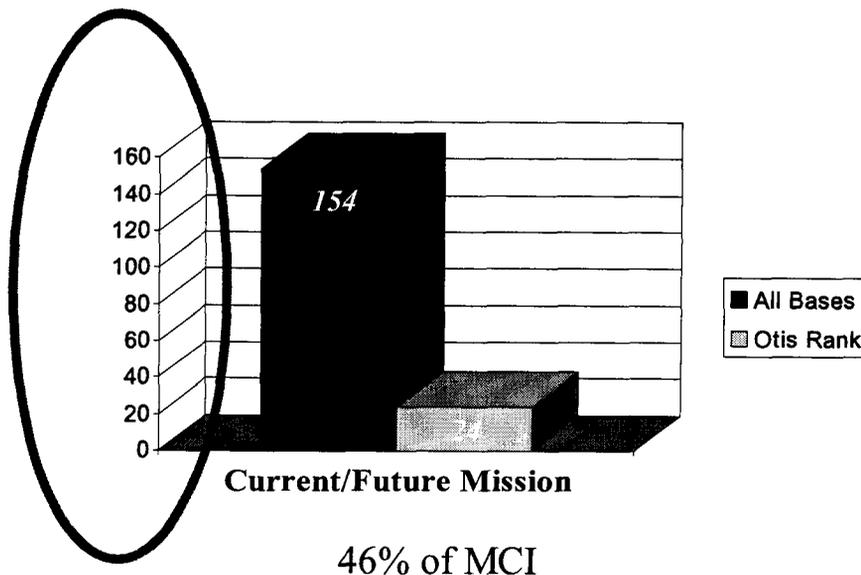
The Narragansett Bay surface operating areas are located off the coast of Long Island. These areas are numerically separated into lettered sub areas. Submarine operations are normally conducted in areas 1 through 3 and 6 through 20.

BRAC Data

The BRAC Data Calls for FY2005 directed organizations to respond to certain questions pertaining to Base/Air Operations. Organizations submitted responses and the information was analyzed. A Mission Compatibility Index was established linking data questions with an actual military value score. Upon review of the original BRAC questions and the graded responses, it appears that Otis Air National Guard Base was misassessed on its Military Value. Specifically, Questions involving "Current/Future Mission" were not answered at a base level.



Mission Compatibility Index for Fighter Mission



Ready - Reliable - Relevant

The Fighter Mission Compatibility Index data sheet reports that Otis Air National Guard Base received a score of 28.15 for "Current/Future Mission". It is unclear how our overall military value was assessed but it appears that we did not receive proper credit for our joint military operation and training airspace.

Range/OPAREA Designation (list from capacity data call)	Max Potential Capacity (Available) (Net NM3 (Column F) X 365 X 24) (NM3/Hrs/yr)	Standard (Annual) NM3/hrs/yr = Standard Hours/Year (Column J) Net NM3 (Column F)	Current Usage (Scheduled) Net NM3 (Column F) Actual Scheduled hours (Column L)	SURGE = (Current Usage Scheduled (Column M) - 1.26)	Excess Percent (Col D) - surge (Col N) / (Col F) (%)
Joe Foss Field AGS	60,444,000	28,704,000	2,760,000	3,450,000	88%
Key Field AGS	129,848,604	61,663,264	1,006,410	1,258,012	98%
KIRTLAND AFB Klamath Falls IAP AGS	122,689,932	58,293,712	2,745,117	3,431,397	94%
Lambert - St. Louis IAP AGS	859,180,800	408,012,800	15,891,610	19,864,513	95%
Langley AFB LAUGHLIN AFB	255,091,200	121,139,200	17,473,200	21,841,500	82%
Lincoln MAP AGS	16,258,560	7,720,960	259,008	323,760	96%
LUKE AFB	93,101,280	44,212,480	34,317,712	42,897,140	3%
McChord AFB MCCONNELL AFB	40,120,800	19,052,800	-	-	100%
Moody AFB MOUNTAIN HOME AFB	672,803,040	319,504,640	231,666,529	289,583,161	9%
NELLIS AFB	1,508,629,680	716,426,680	236,341,353	295,426,691	56%
OFFUTT AFB	67,793,640	32,164,240	6,576,190	8,220,238	74%
Pope AFB RANDOLPH AFB	192,693,720	91,507,520	43,188,902	53,986,128	41%
Rome Laboratory	401,866,226	190,840,582	122,852,833	153,566,042	20%
Schriever AFB	780,664,920	370,726,720	188,711,302	235,889,128	36%
Selfridge ANGB Seymour Johnson AFB	81,012,480	38,471,680	638,112	797,640	98%
Shaw AFB	10,608,360	5,037,760	1,226,743	1,533,429	70%
SHEPPARD AFB	97,560,120	46,329,920	28,740,660	35,925,825	22%
Sioux Gateway APT AGS	436,276,345	207,181,461	-	-	100%
Springfield-Beckley MPT AGS	14,016	6,856	14,016	17,520	163%
Tucson IAP AGS	566,929,680	269,226,880	37,860,854	47,326,068	82%
Tulsa IAP AGS	56,896,200	27,019,200	8,849,345	11,061,681	59%
TYNDALL AFB	371,607,960	176,471,360	85,602,183	107,002,729	39%
VANCE AFB	157,574,880	74,830,080	48,610,587	60,763,234	19%
VANDENBERG AFB	90,841,200	43,139,200	3,339,140	4,173,925	90%
W. K. Kellogg APT AGS	168,962,880	80,238,080	37,988,500	47,485,625	41%
WHITEMAN AFB	659,986,985	313,418,477	73,718,818	92,148,522	71%
	38,000,880	18,046,080	1,566,018	1,957,523	89%
	71,584,793	33,994,605	9,022,707	11,278,384	67%
	203,500,932	96,839,712	60,757,748	75,947,185	21%
	25,044,840	11,893,440	18,240,864	22,801,080	-92%
	14,392,680	6,834,880	243,164	303,955	96%
	187,989,162	89,273,392	3,591,052	4,488,815	95%

In Volume VI of the Base Closure and Realignment Report, The DOD Joint-Cross Service Group Infrastructure Steering Group/Military Value Analysis Report assigned numerical military value to joint training ranges/range complexes/OPAREAS at 135 installations. Otis was not listed and did not receive a rating. See Below. (Pages 1620)

Education and Training JCSG	
Range and Collective Training Subgroup	
Training	
Installation/Location	Numerical Military Value Score
Eglin AFB, FL	63.60
Fort Wainwright, AK	62.63
Facsfac San Diego, Ca	61.81
White Sands Missile Range, NM	59.72
Fort Bliss, TX	56.55
Yuma Proving Ground, AZ	52.40
Comnavmarianas, GU	50.18
Pacmistranfac Hawarea Barking Sands, HI	49.18
Navairwarcenwpndir Pt Mugu, CA	48.85
Facsfac Vacapes Oceana, VA	48.59
CG MCB Campen, NC	46.73

Education and Training ICSG	
Range and Collective Training Subgroup	
Mountain Home AFB. ID	26.77
Eielson AFB. AK	26.45
COMSTRKFIGHTWINGPAC Lemoore. CA	26.13
COMNAVSPECWARCEN. CA	25.96
Holloman AFB. NM	24.85
Atlantic City IAP AGS. NJ	24.02
Kirtland AFB. NM	23.57
MCMWTC Bridgeport. CT	23.49
Barksdale AFB. LA	23.33
NAS Whiting Field Milton. FL	23.23
Fort Jackson. SC	23.04
NAS Meridian. MS	22.94
COMSUBLANT Norfolk. VA	22.71
Lambert - St. Louis IAP AGS. MO	22.48
Harrisburg IAPAGS. PA	22.34
NAS Corpus Christi. TX	21.58
Moody AFB. GA	21.26
Redstone Arsenal. WA	20.95
Fort Smith Regional Apt AGS. AR	19.10
FTCLANT, Dam Neck. VA	18.59
McChord AFB. WA	16.93
NAVSURFWARCENDIV Dahlgren. VA	16.75
Ehendorf AFB. AK	16.70
Tucson IAP AGS. AZ	16.70
NAS New Orleans ARS. LA	16.09
Klamath Falls IAP AGS. PA	15.14
Offutt AFB. NE	14.34
Davis-Monthan AFB. AZ	14.12
Whiteman AFB. MO	13.84
DULUTH IAP AGS. MN	13.73
Laughlin AFB. TX	13.30
Vance AFB. OK	13.20
Columbus AFB. MS	13.14
Ellsworth AFB. SD	13.12
NAS Atlanta. GA	13.01
Tyndall AFB. FL	12.97
Langley AFB. VA	12.88
Great Falls IAP AGS. MT	12.55
Pope AFB. NC	12.00
Ellington Field AGS. TX	11.87
Boise Air Terminal AGS. ID	11.85
Dane County Regional. Truax Field AGS. WI	11.20
Hawthorne Army Depot. NV	10.91
Rome Laboratory. NY	10.87
Dyess AFB. TX	10.69
Des Moines IAP AGS. IA	10.49
Springfield-Beckley MPT AGS. OH	10.10
Sheppard AFB. TX	10.04
Beale AFB. CA	9.24
Sioux Gateway APT AGS. IA	9.23
Capital APT AGS. IL	9.22
Randolph AFB. TX	9.17
Joe Foss Field AGS. SD	9.16
Fort Wayne IAP AGS. IN	9.14
Dannelly Field AGS. AL	9.13
West Point Mil Reservation. NY	8.97
Anniston Army Depot. AL	8.80
Lincoln Map AGS. NE	8.72
Bradley IAP AGS. CT	8.72
Tulsa IAP AGS. OK	8.71
W. K. Kellogg APT AGS. MI	8.66
Barnes MPT AGS	8.63

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex/Institution Name	Base	Area (sq mi)	Totals
	R4001A	FAA, WASHINGTON, DC ARTCC	Aberdeen Proving Ground	USA	105	
	R4001B	FAA, WASHINGTON, DC ARTCC	Aberdeen Proving Ground	USA	28	133
	R2101	FAA, ATLANTA ARTCC	Anniston Army Depot	USA	2	2
	R3203B	FAA, SALT LAKE CITY ARTCC	Boise	USA	90	
	R3203C	FAA, SALT LAKE CITY ARTCC	Boise	USA	9	
	R3203A	FAA, SALT LAKE CITY ARTCC	Boise	USA	90	
	SADDLE A MOA, OR	FAA, SALT LAKE CITY ARTCC	Boise	USA	514	
	SADDLE B MOA, OR	FAA, SALT LAKE CITY ARTCC	Boise	USA	1273	1976
	R4101	FAA, CAPE APP	Camp Edwards	USA	13	13
	STEELHEAD MOA, MI	FAA, CLEVELAND ARTCC	Camp Grayling	USA	2205	
	PKE WEST MOA, MI	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	2774	
	PKE EAST MOA, MI	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	3591	
	R4201A	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	84	
	R4202	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	5	
	R4201B	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	41	8880
	R7001B	FAA, DENVER ARTCC	Camp Guernsey	USA	46	
	R7001A	FAA, DENVER ARTCC	Camp Guernsey	USA	46	46
	R4301	FAA, MINNEAPOLIS ARTCC	Camp Riley	USA	84	84
	R2504	FAA, OAKLAND ARTCC	Camp Roberts	USA	25	25
	R2401B	FAA, MEMPHIS ARTCC	Chaffee	USA	2	
	R2401A	FAA, MEMPHIS ARTCC	Chaffee	USA	16	
	R2402	FAA, MEMPHIS ARTCC	Chaffee	USA	63	81
	R2602	FAA, DENVER ARTCC	Colorado Springs Training Site	USA	1	
	R4102A	FAA, BOSTON ARTCC	Devens Reserve Forces Training Area	USA	6	
	R4102B	FAA, BOSTON ARTCC	Devens Reserve Forces Training Area	USA	6	6
	R2310C	FAA, ALBUQUERQUE ARTCC	Florence Training Site	USA	15	
	R2310A	FAA, ALBUQUERQUE ARTCC	Florence Training Site	USA	29	
	R2310B	FAA, ALBUQUERQUE ARTCC	Florence Training Site	USA	18	61
	HLL MOA, VA	FAA, POTOMAC APP	Fort A.P. Hill	USA	36	
	R8601	FAA, RICHMOND TWR	Fort A.P. Hill	USA	40	
	HLL TOP MOA, IN	FAA, CHICAGO ARTCC	Fort A.P. Hill	USA	850	926
	R3002F	FAA, ATLANTA ARTCC	Fort Benning	USA	119	
	R3002D	FAA, ATCT, COLUMBUS	Fort Benning	USA	79	
	R3002E	FAA, ATCT, COLUMBUS	Fort Benning	USA	79	
	BENNING MOA, GA	FAA, COLUMBUS TWR	Fort Benning	USA	107	
	R3002A	FAA, ATCT, COLUMBUS	Fort Benning	USA	117	
	R3002B	FAA, ATCT, COLUMBUS	Fort Benning	USA	117	
	R3002C	FAA, ATCT, COLUMBUS	Fort Benning	USA	117	422
	R5103C	FAA, ALBUQUERQUE ARTCC	Fort Bliss	USA	659	
	R5103A	FAA, ALBUQUERQUE ARTCC	Fort Bliss	USA	279	
	R5103B	FAA, ALBUQUERQUE ARTCC	Fort Bliss	USA	659	1597
	R5311C	FAA, WASHINGTON, DC ARTCC	Fort Bragg	USA	121	
	FORT BRAGG SOUTH AREA A MOA, NC (XA)	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	11	
	FORT BRAGG NORTH AREA B MOA, NC	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	30	
	FORT BRAGG SOUTH AREA B MOA, NC	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	36	
	FORT BRAGG NORTH AREA A MOA, NC	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	42	
	FORT BRAGG SOUTH AREA A MOA, NC	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	53	
	R5311A	FAA, WASHINGTON, DC ARTCC	Fort Bragg	USA	123	
	R5311B	FAA, WASHINGTON, DC ARTCC	Fort Bragg	USA	123	540
	R3702B	FAA, MEMPHIS ARTCC	Fort Campbell	USA	93	
	R3702A	FAA, MEMPHIS ARTCC	Fort Campbell	USA	93	
	CAMPBELL 2 MOA, KY	FAA, MEMPHIS ARTCC	Fort Campbell	USA	311	
	CAMPBELL 1 MOA, KY	FAA, MEMPHIS ARTCC	Fort Campbell	USA	386	
	R3701	USA, CAMPBELL AAF APP	Fort Campbell	USA	8	
	CAMPBELL 2 MOA, KY (XA)	FAA, MEMPHIS ARTCC	Fort Campbell	USA	30	931
	R2601B	FAA, DENVER ARTCC	Fort Carson	USA	123	
	R2601C	FAA, DENVER ARTCC	Fort Carson	USA	123	
	R2601D	FAA, DENVER ARTCC	Fort Carson	USA	123	
	R2601A	FAA, DENVER ARTCC	Fort Carson	USA	123	
	PINON CANYON MOA, CO	FAA, DENVER ARTCC	Fort Carson	USA	1030	1153
	R5002E	FAA, NEW YORK ARTCC	Fort Dix	USA	2	
	R5002D	FAA, NEW YORK ARTCC	Fort Dix	USA	3	
	R5002C	FAA, NEW YORK ARTCC	Fort Dix	USA	9	
	R5002B	FAA, NEW YORK ARTCC	Fort Dix	USA	12	
	R5001B	FAA, NEW YORK ARTCC	Fort Dix	USA	21	
	R5001A	FAA, NEW YORK ARTCC	Fort Dix	USA	23	
	R5002A	FAA, NEW YORK ARTCC	Fort Dix	USA	38	104
	R5201	FAA, BOSTON ARTCC	Fort Drum	USA	110	
	DRUM 2 MOA, NY	USA, WHEELER SACK APP	Fort Drum	USA	94	
	DRUM 1 MOA, NY	USA, WHEELER SACK APP	Fort Drum	USA	95	299
	R3004	FAA, ATLANTA ARTCC	Fort Gordon	USA	31	31
	R2202C	FAA, ANCHORAGE ARTCC	Fort Greely	USA	563	
	R2202A	FAA, ANCHORAGE ARTCC	Fort Greely	USA	169	
	R2202B	FAA, ANCHORAGE ARTCC	Fort Greely	USA	392	1124
	R6302D	FAA, HOUSTON ARTCC	Fort Hood	USA	24	
	R6302C	FAA, HOUSTON ARTCC	Fort Hood	USA	40	
	R6302A	FAA, HOUSTON ARTCC	Fort Hood	USA	128	
	R6302B	FAA, HOUSTON ARTCC	Fort Hood	USA	15	

Special Use Airspace

Military Group	SUA Name	Contributing Agency	Range Complex Identification Name	Class	Area (sq mi)	Totals
	R3005C	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	107	
	FORT STEWART C1 MOA, GA	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	31	
	FORT STEWART C2 MOA, GA	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	70	
	FORT STEWART B1 MOA, GA	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	148	
	FORT STEWART B2 MOA, GA	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	148	558
	TWELVE MILE WEST MOA, IN	FAA, CHICAGO ARTCC	Fort Wayne	USA	208	
	TWELVE MILE EAST MOA, IN	FAA, CHICAGO ARTCC	Fort Wayne	USA	371	579
	DE SOTO 1 MOA, MS (XA)	FAA, HOUSTON ARTCC	Gulfport	USA	22	
	DE SOTO 1 MOA, MS	FAA, HOUSTON ARTCC	Gulfport	USA	295	
	DE SOTO 2 MOA, MS	FAA, HOUSTON ARTCC	Gulfport	USA	498	783
	R5203	FAA, CLEVELAND ARTCC	Hancock Field	USA	707	707
	R4811	FAA, OAKLAND ARTCC	Hawthorne Army Ammunition Plant	USA		
	R3401A	FAA, INDIANAPOLIS ARTCC	Indianapolis	USA	43	
	R3403A	FAA, INDIANAPOLIS ARTCC	Indianapolis	USA	53	
	R3403B	FAA, INDIANAPOLIS ARTCC	Indianapolis	USA	27	
	R3401B	FAA, INDIANAPOLIS ARTCC	Indianapolis	USA	35	158
	JUNIPER NORTH MOA, OR	FAA, SEATTLE ARTCC	Kingley Field	USA	1610	
	JUNIPER SOUTH MOA, OR	FAA, SEATTLE ARTCC	Kingley Field	USA	1734	
	JUNIPER LOW MOA, OR	FAA, SEATTLE ARTCC	Kingley Field	USA	3045	6389
	R5801	FAA, WASHINGTON, DC ARTCC	Letterkenny Ordnance Depot	USA		
	R5803	FAA, WASHINGTON, DC ARTCC	Letterkenny Ordnance Depot	USA		
	R2403A	FAA, MEMPHIS ARTCC	Little Rock	USA	7	
	R2403B	FAA, MEMPHIS ARTCC	Little Rock	USA	10	17
	R2302	FAA, ALBUQUERQUE ARTCC	Nevajo Ordnance Depot	USA		
	R2104E	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	4	
	R2104A	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	17	
	R2104D	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	17	
	R2104C	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	4	
	R2104B	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	4	25
	SMOKY HIGH MOA, KS	FAA, KANSAS CITY ARTCC	Salinas	USA	184	
	SMOKY MOA, KS	FAA, KANSAS CITY ARTCC	Salinas	USA	184	
	BISON MOA, KS	FAA, KANSAS CITY ARTCC	Salinas	USA	1074	1259
	R5207	FAA, NEW YORK ARTCC	Seneca Army Depot	USA		
	R2530	FAA, OAKLAND ARTCC	Sierra Army Depot	USA	4	4
	LAKE ANDES MOA, SD	FAA, MINNEAPOLIS ARTCC	Sioux Falls	USA	3490	3490
	FRUITT A MOA, IL (XC)	FAA, KANSAS CITY ARTCC	Springfield	USA	12	
	HOWARD WEST MOA, IL	FAA, KANSAS CITY ARTCC	Springfield	USA	321	
	FRUITT B MOA, IL	FAA, KANSAS CITY ARTCC	Springfield	USA	425	
	FRUITT A MOA, IL (XA)	FAA, KANSAS CITY ARTCC	Springfield	USA	966	
	HOWARD EAST MOA, IL	FAA, KANSAS CITY ARTCC	Springfield	USA	1844	
	FRUITT A MOA, IL	FAA, KANSAS CITY ARTCC	Springfield	USA		
	FRUITT A MOA, IL (XB)	FAA, KANSAS CITY ARTCC	Springfield	USA		3568
	RED HILLS MOA, IN	FAA, INDIANAPOLIS ARTCC	Terre Haute	USA	1389	1389
	R6403	FAA, SALT LAKE CITY ARTCC	Tooele Army Depot	USA	2	2
	R3601B	FAA, KANSAS CITY ARTCC	Topeka	USA	16	
	R3601A	FAA, KANSAS CITY ARTCC	Topeka	USA	54	69
	RIVERS MOA, OK	FAA, FORT WORTH ARTCC	Tulsa	USA	1931	1931
	R5206	FAA, NEW YORK APP	West Point	USA	4	4
	R5107E	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	127	
	R5107A	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	281	
	R5111C	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	317	
	R5111D	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	317	
	R5111A	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	404	
	R5107D	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	551	
	R5107C	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	892	
	R5107B	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	3138	
	R5107J	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	77	
	R5111B	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	404	
	R5107H	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	813	7321
	R2308D	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	15	
	R2308C	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	29	
	R2308E	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	65	
	R2308B	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	77	
	R2308A	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	165	
	R2308A	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	208	
	R2307	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	291	
	R2308A	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	551	
	R2308C	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	37	
	R2311	YUMA APP, YUMA MCAS	Yuma Proving Ground	USA	62	1500
	BEAVER MOA, MN	FAA, MINNEAPOLIS ARTCC		USA	2485	
	BIG BEAR MOA, MI	FAA, MINNEAPOLIS ARTCC		USA	1744	
	BIG BEAR MOA, MI (XA)	FAA, MINNEAPOLIS ARTCC		USA	9	
	BRMINGHAM 2 MOA, AL	FAA, ATLANTA ARTCC		USA	1135	
	BRMINGHAM 2 MOA, AL (XA)	FAA, ATLANTA ARTCC		USA	44	
	BRMINGHAM 2 MOA, AL (XB)	FAA, ATLANTA ARTCC		USA	148	
	BRMINGHAM MOA, AL	FAA, ATLANTA ARTCC		USA	1185	
	BRUSH CREEK MOA, OH	FAA, INDIANAPOLIS ARTCC		USA	719	
	BUCKEYE MOA, OH	FAA, INDIANAPOLIS ARTCC		USA	1650	
	CAMDEN RIDGE MOA, AL	FAA, ATLANTA ARTCC		USA	2154	
	CANNON A MOA, MO	FAA, KANSAS CITY ARTCC		USA	282	
	CANNON B MOA, MO	FAA, KANSAS CITY ARTCC		USA	16	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex Installation Name	Use	Area (sq. mi.)	Total
	BRADY LOW MOA, TX (XB)	FAA, HOUSTON ARTCC	Fort Worth NAS, JB	USN	60	
	BRADY NORTH MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS, JB	USN	156	
	BROWNWOOD 4 MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS, JB	USN	321	
	BROWNWOOD 2 EAST MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS, JB	USN	457	
	BROWNWOOD 1 WEST MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS, JB	USN	555	
	BROWNWOOD 1 EAST MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS, JB	USN	570	
	BROWNWOOD 3 WEST MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS, JB	USN	592	
	BROWNWOOD 3 MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS, JB	USN	697	
	BRADY HIGH MOA, TX	FAA, HOUSTON ARTCC	Fort Worth NAS, JB	USN	966	
	BRADY LOW MOA, TX	FAA, HOUSTON ARTCC	Fort Worth NAS, JB	USN	966	
	R8312	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	153	
	W228A	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	898	
	W228B	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	1289	
	W228D	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	2167	
	W155A	FAA, JACKSONVILLE ARTCC	GOMEX Range Complex	USN	2236	
	W92	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	2608	
	W159B	FAA, JACKSONVILLE ARTCC	GOMEX Range Complex	USN	2676	
	W228C	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	3637	
	W155C	FAA, JACKSONVILLE ARTCC	GOMEX Range Complex	USN		
	KINGSVILLE 2 MOA, TX	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	384	
	KINGSVILLE 5 MOA, TX	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	901	
	PENSACOLA NORTH MOA, FL	FAA, JACKSONVILLE ARTCC	GOMEX Range Complex	USN	1214	
	PENSACOLA SOUTH MOA, FL	FAA, PENSACOLA TOWER	GOMEX Range Complex	USN	1391	
	KINGSVILLE 3 MOA, TX	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	1840	
	KINGSVILLE 4 MOA, TX	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	1856	
	KINGSVILLE 1 MOA, TX	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	3329	
	R3107	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	33	
	W187	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	45	
	R3101	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	52	
	W198	FAA, HONOLULU TWR	Hawaiian Islands Range Complex	USN	91	
	W191	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	292	
	W188	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	751	
	W190	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	1614	
	W192	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	3477	
	W194	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	4076	
	W193	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	4589	
	W189	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	8037	
	W183	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	35539	
	W158F	FAA, JACKSONVILLE NAS TRACON	Jacksonville Range Complex	USN	172	
	W158E	FAA, JACKSONVILLE NAS TRACON	Jacksonville Range Complex	USN	545	
	W159E	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1038	
	W159A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1981	
	W157B	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	2307	
	W158B	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	2796	
	W158A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	5793	
	W157A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	8106	
	W157C	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	10372	
	R2919(A)	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	13	
	R2919(B)	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	26	
	R2907B	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	52	
	R2908	FAA, PENSACOLA TRACON	Jacksonville Range Complex	USN	52	
	R2919(C)	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	57	
	QUICK THRUST H MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	68	
	MAYPORT LOW MOA, FL	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	68	
	MAYPORT HIGH MOA, FL	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	68	
	QUICK THRUST F MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	68	
	R2906	FAA, JACKSONVILLE TRACON	Jacksonville Range Complex	USN	75	
	R2910	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	78	
	R2907A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	89	
	GATOR 2 MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	128	
	QUICK THRUST G MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	143	
	QUICK THRUST G MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	143	
	PALATKA 2 MOA, FL	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	280	
	QUICK THRUST J MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	325	
	QUICK THRUST L MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	413	
	PALATKA 1 MOA, FL	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	458	
	QUICK THRUST M MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	567	
	QUICK THRUST N MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	567	
	QUICK THRUST I MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1258	
	GATOR 1 MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1388	
	SNOWBIRD MOA, TN	FAA, ATLANTA ARTCC	Jacksonville Range Complex	USN	1444	
	W132B	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	363	
	W132A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1005	
	W133	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1743	
	W134	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1743	
	W174B(B)	FAA, MIAMI ARTCC	Key West Range Complex	USN	211	
	W174E	FAA, MIAMI ARTCC	Key West Range Complex	USN	281	
	W174C(B)	FAA, MIAMI ARTCC	Key West Range Complex	USN	396	
	W174G	FAA, MIAMI ARTCC	Key West Range Complex	USN	457	
	W174F	FAA, MIAMI ARTCC	Key West Range Complex	USN	807	
	W174C(A)	FAA, MIAMI ARTCC	Key West Range Complex	USN	1090	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Parent Complex/Institution Name	User	Acquirement	Totals
	R8703A	FAA, SEATTLE-TACOMA APP	Whidbey Island Range Complex	USN		13
	R8703C	FAA, SEATTLE-TACOMA APP	Whidbey Island Range Complex	USN		20
	R8701	USN, WHIDBEY ISLAND NAS APP	Whidbey Island Range Complex	USN		21
	R5701(C)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		21
	CHINOOK A MOA, WA	USN, WHIDBEY IS NAS APP	Whidbey Island Range Complex	USN		23
	OKANOGAN C MOA, WA (XA)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		27
	R5701(B)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		31
	CHINOOK B MOA, WA	USN, WHIDBEY IS NAS APP	Whidbey Island Range Complex	USN		33
	OKANOGAN B MOA, WA (XA)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		53
	R5701(D)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		64
	ROBERTS MOA, CA	FAA, OAKLAND ARTCC	Whidbey Island Range Complex	USN		87
	W63	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		4652
	R5708	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		106
	BOARDMAN MOA, OR	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		358
	OLYMPIC B MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		896
	OKANOGAN C MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		711
	OLYMPIC A MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		918
	OKANOGAN B MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		956
	W237(B)(O)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		1514
	W237C	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		1540
	W237D	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		1623
	W237E	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		1808
	W237(A)(O)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		2030
	ROOSEVELT B MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		2182
	W237G	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		2318
	OKANOGAN A MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		2592
	ROOSEVELT A MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		3137
	W237F	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		3887
	W237J	FAA, OAKLAND ARTCC	Whidbey Island Range Complex	USN		4287
	W570	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		4470
	W237H	FAA, OAKLAND ARTCC	Whidbey Island Range Complex	USN		5867
	R5701(E)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		
	HUNTER LOW E MOA, CA	FAA, OAKLAND ARTCC		USN		69
	HUNTER LOW C MOA, CA	FAA, OAKLAND ARTCC		USN		82
	HUNTER LOW B MOA, CA	FAA, OAKLAND ARTCC		USN		147
	HUNTER LOW D MOA, CA	FAA, OAKLAND ARTCC		USN		207
	HUNTER LOW A MOA, CA	FAA, OAKLAND ARTCC		USN		491
	FOOTHILL 1 MOA, CA	FAA, OAKLAND ARTCC		USN		825
	FOOTHILL 2 MOA, CA	FAA, OAKLAND ARTCC		USN		867
	HUNTER HIGH MOA, CA	FAA, OAKLAND ARTCC		USN		896
	R2515	FAA, HI-DESERT TRACON, EDWARDS AFB		USN		1367
	SAN ONOFRE LOW MOA, CA	FAA, SOCIAL TRACON	Camp Pendleton Range Complex	USMC		41
	R2503A	FAA, LOS ANGELES ARTCC	Camp Pendleton Range Complex	USMC		72
	R2503C	FAA, LOS ANGELES ARTCC	Camp Pendleton Range Complex	USMC		85
	SAN ONOFRE HIGH MOA, CA	FAA, SOCIAL TRACON	Camp Pendleton Range Complex	USMC		87
	R2503B	FAA, LOS ANGELES ARTCC	Camp Pendleton Range Complex	USMC		108
	R5306C	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC		4
	R5306D	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC		4
	R5306E	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC		4
	R5304A	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC		24
	R5304B	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC		24
	R5306A	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC		24
	R5304C	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC		24
	R5303A	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC		25
	R5303B	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC		25
	R5303C	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC		25
	HATTERAS F MOA, NC	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC		102
	W122(B)	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC		230
	W122(A)	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC		18748
	W74(B)	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC		9
	BEAUFORT 2 MOA, SC (XA)	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC		12
	BEAUFORT 1 MOA, SC (XA)	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC		65
	W74(A)	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC		173
	BEAUFORT 1 MOA, SC	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC		255
	BEAUFORT 3 MOA, SC	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC		276
	BEAUFORT 2 MOA, SC	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC		417
	R6608A	FAA, DULLES INTL TWR	Quantico Range Complex	USMC		11
	R6608C	FAA, DULLES INTL TWR	Quantico Range Complex	USMC		17
	R6608B	FAA, DULLES INTL TWR	Quantico Range Complex	USMC		27
	DEMO 2 MOA, VA	FAA, WASHINGTON, DC ARTCC	Quantico Range Complex	USMC		55
	DEMO 1 MOA, VA	FAA, WASHINGTON, DC ARTCC	Quantico Range Complex	USMC		84
	DEMO 3 MOA, VA	FAA, WASHINGTON, DC ARTCC	Quantico Range Complex	USMC		84
	SUNDANCE MOA, CA (XA)	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC		4
	SUNDANCE MOA, CA	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC		46
	R2501W	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC		76
	R2501S	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC		197
	R2501N	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC		237
	R2501E	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC		304
	BRISTOL MOA, CA	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC		403
	R2507N	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC		214

Special Use Airspace

Identifying Symbol	MOA Name	Controlling Agency	Range Complex/Installation Name	Class	Altitude (ft)	Total
	COLUMBUS 1 MOA, MS	FAA, MEMPHIS ARTCC	Columbus AFB	USAF	2705	
	TOMBSTONE A MOA, AZ	FAA, ALBUQUERQUE ARTCC	David-Morrison AFB	USAF	520	
	TOMBSTONE B MOA, AZ	FAA, ALBUQUERQUE ARTCC	David-Morrison AFB	USAF	1320	
	TOMBSTONE C MOA, AZ	FAA, ALBUQUERQUE ARTCC	David-Morrison AFB	USAF	3014	
	ISABELLA MOA, CA (XE)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	21	
	ISABELLA MOA, CA (XG)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	41	
	BUCKHORN MOA, CA	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	58	
	BISHOP MOA, CA	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	128	
	BARSTOW MOA, CA	FAA, HI-DESERT TRACON, EDWARDS, CA	Edwards AFB	USAF	162	
	BAKERSFIELD MOA, CA	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	300	
	PORTERVILLE MOA, CA	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	465	
	SALINE MOA, CA (XA)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	891	
	SHOSHONE MOA, CA (XB)	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	899	
	PANAMINT MOA, CA (XA)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	1117	
	PANAMINT MOA, CA (XB)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	1117	
	SHOSHONE MOA, CA (XA)	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	1167	
	POWDER RIVER B MOA, WY	FAA, DENVER ARTCC	Edwards AFB	USAF	1381	
	SALINE MOA, CA	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	1689	
	OWENS MOA, CA	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	2013	
	PANAMINT MOA, CA	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	2051	
	ISABELLA MOA, CA (XA)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	2679	
	POWDER RIVER B MOA, WY (XA)	FAA, DENVER ARTCC	Edwards AFB	USAF	28	
	POWDER RIVER B MOA, WY (XB)	FAA, DENVER ARTCC	Edwards AFB	USAF	709	
	POWDER RIVER B MOA, WY (XC)	FAA, DENVER ARTCC	Edwards AFB	USAF		
	POWDER RIVER B MOA, WY (XD)	FAA, DENVER ARTCC	Edwards AFB	USAF		
	ISABELLA MOA, CA	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	ISABELLA MOA, CA (XB)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	ISABELLA MOA, CA (XC)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	ISABELLA MOA, CA (XD)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	ISABELLA MOA, CA (XF)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT (XA)	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT (XB)	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT (XC)	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT (XD)	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	EGLIN F MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	5	
	R2918	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	16	
	R2915C	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	34	
	R2915B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	46	
	R2919A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	48	
	R2914B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	71	
	R2918B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	84	
	EGLIN A WEST MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	90	
	EGLIN A EAST MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	98	
	EGLIN D MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	133	
	EGLIN C MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	144	
	R2915A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	202	
	EGLIN B MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	222	
	R2914A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	387	
	ROSE HILL MOA, AL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	850	
	EGLIN E MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	1144	
	W470C	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	1147	
	W151C	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	1729	
	W470A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2015	
	W151D	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2114	
	W470B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2131	
	W151B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2521	
	W151A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2557	
	R2917	USAF, EGLIN AFB APP	Eglin AFB	USAF		
	W151E	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF		
	W151F	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF		
	BUFFALO MOA, AK (XC)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	4	
	BUFFALO MOA, AK (XD)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	10	
	YUKON 2 MOA, AK (XE)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	16	
	EELSON MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	21	
	YUKON 1 MOA, AK (XC)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	25	
	VIPER A MOA, AK	FAA, FAIRBANKS TWR	Eielson AFB	USAF	27	
	VIPER A MOA, AK (XB)	FAA, FAIRBANKS TWR	Eielson AFB	USAF	27	
	YUKON 3A LOW MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	35	
	VIPER A MOA, AK (XA)	FAA, FAIRBANKS TWR	Eielson AFB	USAF	53	
	BIRCH MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	58	
	BUFFALO MOA, AK (XB)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	59	
	YUKON 2 MOA, AK (XCA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	65	
	VIPER B MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	80	
	FOX 2 MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	93	
	YUKON 1 MOA, AK (XB)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	101	
	YUKON 1 MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	122	
	R2211	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	133	
	BUFFALO MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	171	
	YUKON 2 MOA, AK (XD)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	187	
	BIRCH MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	421	
	YUKON 4 MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	491	

Special Use Airspace

Military Service	SOA Name	Coordinating Agency	Range Complex/Installation Name	Class	Area (sq mi)	Totals
	LAKE PLACID MOA, FL	FAA, MIAMI ARTCC	MacDill AFB	USAF	1087	
	W188	FAA, MIAMI ARTCC	MacDill AFB	USAF	7465	
	TIGER NORTH MOA, ND (XA)	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	112	
	TIGER SOUTH MOA, ND	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	1721	
	DEVILS LAKE WEST MOA, ND	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	1733	
	DEVILS LAKE EAST MOA, ND	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	1767	
	TIGER NORTH MOA, ND	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	2098	
	R5115	FAA, ALBUQUERQUE ARTCC	McChord AFB	USAF		
	R6318	FAA, ALBUQUERQUE ARTCC	McChord AFB	USAF		
	R6316	FAA, HOUSTON ARTCC	McChord AFB	USAF		
	R6317	FAA, HOUSTON ARTCC	McChord AFB	USAF		
	R2312	LIBBY AAF TWR	McChord AFB	USAF		
	EUREKA HIGH MOA, KS	FAA, KANSAS CITY ARTCC	McConnell AFB	USAF	1645	
	EUREKA LOW MOA, KS	FAA, KANSAS CITY ARTCC	McConnell AFB	USAF	1645	
	POWERS MOA, ND	FAA, MINNEAPOLIS ARTCC	Minot AFB	USAF	598	
	R3008A	USAF, VALDOSTA APP	Moody AFB	USAF	6	
	R3008B	USAF, VALDOSTA APP	Moody AFB	USAF	20	
	R3008C	USAF, VALDOSTA APP	Moody AFB	USAF	67	
	R3008D	USAF, VALDOSTA APP	Moody AFB	USAF	93	
	MOODY 2 NORTH MOA, GA	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	318	
	MOODY 2 SOUTH MOA, GA	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	405	
	LIVE OAK MOA, FL	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	1708	
	MOODY 3 MOA, GA	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	1257	
	MOODY 1 MOA, GA	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	4711	
	R3202(LQ)	FAA, SALT LAKE CITY ARTCC	Mountain Home AFB	USAF		
	R3204A	FAA, SALT LAKE CITY ARTCC	Mountain Home AFB	USAF		
	R3204B	FAA, SALT LAKE CITY ARTCC	Mountain Home AFB	USAF		
	OWYHEE MOA, ID	FAA, SALT LAKE CITY ARTCC	Mt Home AFB	USAF	1759	
	JARBIDGE MOA, ID	FAA, SALT LAKE CITY ARTCC	Mt Home AFB	USAF		
	JARBIDGE MOA, ID (XA)	FAA, SALT LAKE CITY ARTCC	Mt Home AFB	USAF		
	JARBIDGE MOA, ID (XB)	FAA, SALT LAKE CITY ARTCC	Mt Home AFB	USAF		
	JARBIDGE MOA, ID (XC)	FAA, SALT LAKE CITY ARTCC	Mt Home AFB	USAF		
	PARADISE EAST MOA, NV	FAA, SALT LAKE CITY ARTCC	Mt Home AFB	USAF		
	PARADISE WEST MOA, OR	FAA, SALT LAKE CITY ARTCC	Mt Home AFB	USAF		
	R4307B	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	100	
	R4308E	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	290	
	SILVER MOA, CA	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	507	
	R4806W	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	1177	
	R4807A	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	1696	
	DESERT MOA, NV	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	5538	
	DESERT MOA, NV (XA)	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF		
	DESERT MOA, NV (XB)	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF		
	REVELLE NORTH MOA, NV	FAA, SALT LAKE CITY ARTCC	Nellis AFB	USAF		
	REVELLE SOUTH MOA, NV	FAA, SALT LAKE CITY ARTCC	Nellis AFB	USAF		
	R4305	FAA, MINNEAPOLIS ARTCC	O'Hair AFB	USAF	1237	
	R4207	FAA, MINNEAPOLIS ARTCC	Phelps-Collins ANGB	USAF	1096	
	GAMECOCK A MOA, NC	FAA, WASHINGTON, DC ARTCC	Pope AFB	USAF	554	
	RANDOLPH 2B MOA, TX	FAA, HOUSTON ARTCC	Randolph AFB	USAF	317	
	RANDOLPH 1B MOA, TX	FAA, SAN ANTONIO TRACON	Randolph AFB	USAF	755	
	TEXON MOA, TX	FAA, HOUSTON ARTCC	Randolph AFB	USAF	1155	
	RANDOLPH 1A MOA, TX	FAA, HOUSTON ARTCC	Randolph AFB	USAF	1378	
	RANDOLPH 2A MOA, TX	FAA, HOUSTON ARTCC	Randolph AFB	USAF	1445	
	SEYMOUR JOHNSON ECHO MOA, NC	FAA, WASHINGTON, DC ARTCC	Seymour-Johnson AFB	USAF	1034	
	PHELPS A MOA, NC	FAA, WASHINGTON, DC ARTCC	Seymour-Johnson AFB	USAF		
	PHELPS B MOA, NC	FAA, WASHINGTON, DC ARTCC	Seymour-Johnson AFB	USAF		
	PHELPS C MOA, NC	FAA, WASHINGTON, DC ARTCC	Seymour-Johnson AFB	USAF		
	BULLDOG A MOA, GA (XA)	FAA, ATLANTA ARTCC	Shaw AFB	USAF	20	
	BULLDOG D MOA, GA (XA)	FAA, ATLANTA ARTCC	Shaw AFB	USAF	30	
	BULLDOG A MOA, GA (XB)	FAA, ATLANTA ARTCC	Shaw AFB	USAF	33	
	R8002A	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	54	
	R8002B	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	54	
	BULLDOG D MOA, GA	FAA, ATLANTA ARTCC	Shaw AFB	USAF	79	
	W177A(B)	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	210	
	GAMECOCK B MOA, SC	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	248	
	GAMECOCK I MOA, SC	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	405	
	W191B	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	561	
	W177B	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	757	
	GAMECOCK D MOA, SC	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	838	
	BULLDOG A MOA, GA	FAA, ATLANTA ARTCC	Shaw AFB	USAF	1052	
	W181A	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	1264	
	W177A(A)	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	1684	
	BULLDOG B MOA, GA	FAA, ATLANTA ARTCC	Shaw AFB	USAF	1677	
	GAMECOCK C MOA, SC	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF		
	GAMECOCK C MOA, SC (XA)	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF		
	GAMECOCK C MOA, SC (XB)	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF		
	POINSETT MOA, SC	USAF, SHAW APP CON	Shaw AFB	USAF		
	POINSETT MOA, SC (XA)	USAF, SHAW APP CON	Shaw AFB	USAF		
	POINSETT MOA, SC (XB)	USAF, SHAW APP CON	Shaw AFB	USAF		
	WASHITA MOA, OK	FAA, FORT WORTH ARTCC	Sheppard AFB	USAF	966	
	SHEPPARD 1 MOA, TX	FAA, FORT WORTH ARTCC	Sheppard AFB	USAF	1033	
	HOLLIS MOA, OK	FAA, FORT WORTH ARTCC	Sheppard AFB	USAF	1204	



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EPA FINES MASSACHUSETTS MILITARY RESERVATION AGENCIES \$221,059 FOR HAZARDOUS WASTE VIOLATIONS

Contact: Johanna Hunter, EPA Community Involvement; (617) 918-1041
Jim Gaffey, EPA Enforcement Engineer; (617) 918-1753
Tim Conway, EPA Senior Enforcement Counsel; (617) 918-1721

For Immediate Release, July 15, 1996; Release # 96-7-10

BOSTON -- The United States Environmental Protection Agency today announced three enforcement actions against the Air National Guard (\$93,710), the Army National Guard (\$88,600) and the Marines (\$38,749) for violations pertaining to improper hazardous waste handling practices at the Massachusetts Military Reservation on Cape Cod. In addition to issuing these penalties, EPA is demanding immediate compliance with Federal and State hazardous waste management requirements.

The violations include multiple failures by the Army National Guard, the Air National Guard or Marines to properly characterize their wastes. These failures resulted in improper waste determinations and potential mishandling of wastes, including problems with the notification to receiving facilities of shipments of wastes generated at MMR. Additionally, EPA inspectors noted that in some instances personnel were not trained, emergency plans were not adequate, and hazardous waste containers were improperly managed.

"The citizens of the Upper Cape know all too well what happens when hazardous waste is mismanaged," said John P. DeVillars, administrator for EPA's New England office. "EPA is committed to ensuring that the existing contamination at Otis is cleaned up as quickly, efficiently and thoroughly as possible. Just as important, we're dedicated to making sure that DoD prevents the problem from getting any worse. This site, more than any other in New England, must be handled with great care. These enforcement actions underscore EPA's absolute commitment to a cleaner, safer, healthier Upper Cape."

EPA identified the toxic waste handling problems during an August 1995 inspection as well as subsequent reviews of facility records. The comprehensive, or "multi-media," inspection involved ten EPA and State of Massachusetts investigators looking at hazardous waste compliance, Clean Air, Spill Prevention, Toxic Substances Control, Wetlands and Underground Injection programs.

"EPA's goal is to work cooperatively to address pollution whenever possible," DeVillars added. "And we will continue to do so with the DoD at this site --

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bringing a vast number of resources to bear on the cleanup of this critical site. But at a certain point, it takes law enforcement to make people pay attention. EPA will not hesitate to use that authority."

The hazardous waste handling violations by the DoD facilities have not contributed to the ongoing groundwater contamination emanating from the base. Instead, these enforcement actions put the DoD agencies on notice of corrective measures they need to undertake to properly handle hazardous wastes.

Additionally, in August 1995 the National Guard Bureau committed to pay \$555,000 for failure to meet established deadlines for submittal of project documents under the Federal Facilities Agreement. The National Guard Bureau agreed with EPA-New England to spend \$500,00 on development of a groundwater model to aid in cleanup of groundwater plumes and an additional \$55,000 fine for not meeting deadlines. Recent Congressional Appropriations language in defense spending bills include the \$555,000 MMR penalty and should be appropriated later this year as promised by DoD.

EPA is also overseeing the Department of Defense's (DoD) Installation Restoration Program cleanup activities for pollution problems at the base that have contaminated nearby communities' (Bourne and Falmouth) local water supplies. Recently, the Air Force Center for Environmental Excellence, the Air Force's national center in San Antonio, Texas for hazardous waste cleanups took over the cleanup program at the request of senior officials in DoD.

METADATA

1. TITLE: EPA Fines Massachusetts Military Reservation Agencies \$221,059 for Hazardous Waste Violations
2. IDENTIFICATION NUMBER: N/A
3. ABSTRACT: The U.S. EPA announced three enforcement actions against the Air National Guard (\$93,710), the Army National Guard (\$88,600) and the Marines (\$38,749) for violations pertaining to improper hazardous waste handling practices at the Massachusetts Military Reservation on Cape Cod. In addition to issuing these penalties, EPA is demanding immediate compliance with Federal and State hazardous waste management requirements.
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 - b. Order Process:
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9. COVERAGE: N/A
10. TIME PERIOD OF COVERAGE: N/A
11. POINT OF CONTACT FOR FURTHER INFORMATION:
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12. RESPONSIBLE PARTY:
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EPA ORDERS EXTENSIVE CLEANUP OF MASS. MILITARY RESERVATION ON CAPE COD

Contact: Amy Miller, EPA Press Office (617-918-1042)

For immediate release: January 7, 2000; Release # 00-01-05

BOSTON - The U.S. Environmental Protection Agency today for the first time unilaterally ordered a military base to clean up and remove unexploded ordnance. In a precedent-setting administrative order issued today [[see administrative order here](#)], EPA-New England directed the National Guard Bureau and the Massachusetts National Guard to remove unexploded ordnance from the 14,000-acre Camp Edwards training grounds at the Massachusetts Military Reservation (MMR) on Cape Cod.

The National Guard agencies were also directed to clean up contaminated groundwater, as well as contamination in soil that has not yet reached the groundwater, but threatens the aquifer.

The order was issued under emergency provisions of the Safe Drinking Water Act, which protects underground supplies of drinking water, such as the Cape Cod Aquifer. This order aims to protect the health and safety of people on Cape Cod, where some 200,000 year-round residents and 520,000 summer visitors depend on the Cape Cod Aquifer as the sole source of their drinking water.

Camp Edwards lies directly over Sagamore Lens, the most productive part of Cape Cod Aquifer. Because the Cape's soil is highly permeable, this aquifer is particularly susceptible to contamination, which would pose a significant hazard to the public health.

A study conducted last year by the US Department of Defense (DOD) estimated that current water supplies will fall short of demand by about 10 million gallons a day by the year 2020. Seven existing public water supply sources are impacted or threatened by MMR training activities, and a significant number of potential new sources are impacted or threatened by contamination to MMR.

"Today's landmark action will mean the improved protection of public health and the environment for Cape Cod as that community enters the 21st Century," said EPA Administrator Carol M. Browner. "It is another sign of the Clinton/Gore Administration's strong commitment to protecting our communities from environmental threats."

An ongoing study of the effects of training on the aquifer has already found RDX in 20 monitoring wells, and above federal health advisory limits at 18

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monitoring wells. RDX is a highly hazardous constituent used in explosives and rat poison. Metals above the allowable levels for drinking water were detected in 40 monitoring wells and herbicides and pesticides were detected in 31 wells, in one case above federal health advisories.

"We must act now to clean up the contamination and prevent any further damage to the water supply, said John P. DeVillars, EPA's New England Administrator. "This order will make certain that this is done -- thoroughly and expeditiously."

To date, dozens of live unexploded ordnance have been uncovered simply through DOD's efforts to site monitoring wells associated with the water quality study. In addition, more than 1,000 mortar rounds (primarily inert) were discovered at the only range where an unexploded ordnance investigation has been conducted to date.

The first phase of the cleanup, which involves removing soil contamination in a half dozen areas, will be done by October of this year.

"For decades, the Department of Defense has conducted training activities directly above water resources vital to the people of Cape Cod," said DeVillars. "Three years ago the Cape community asked for our help. As a result, EPA ordered the DOD to cease environmentally damaging training and to assess the harm that training had caused. Today, we are telling them to act on what we have learned from those studies. We need a comprehensive and expeditious cleanup of the extensive environmental damage caused by training activities. This order will achieve that objective."

Since 1911 Camp Edwards has hosted training that included small arms firing, artillery firing, mortar firing, the burning of propellant bags, detonation practice for explosives as well as disposal and abandonment of unexploded ordnance.

The order issued this week follows two other orders issued to the National Guard by the EPA in 1997. In February of that year, EPA ordered the Guard to investigate the extent of contamination at the 14,000-acre military base. And in April of 1997, EPA ordered a stop to much of the training activities taking place at Camp Edwards.

As a result of investigations, contamination from explosives, propellants, metals, herbicides, pesticides, volatile organic compounds, semi-volatile organic compounds and unexploded ordnance were discovered in the soil and groundwater at Camp Edwards. Munitions and other materials used on the base until EPA's 1997 cease-fire order contained these contaminants.

METADATA

1. TITLE: EPA Orders Extensive Cleanup of Mass. Military Reservation on Cape Cod
2. ABSTRACT: The U.S. Environmental Protection Agency today for the first time unilaterally ordered a military base to clean up and remove unexploded ordnance. In a precedent-setting administrative order issued today, EPA-New England directed the National Guard Bureau and the Massachusetts National Guard to remove unexploded ordnance from the 14,000-acre Camp Edwards training grounds at the Massachusetts Military Reservation (MMR) on Cape Cod.

3. PURPOSE: Public Information
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10. POINT OF CONTACT FOR FURTHER INFORMATION:
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11. RESPONSIBLE PARTY:
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12. DATE OF CREATION: 01/07/2000
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Last updated on Tuesday, October 15th, 2002
URL: <http://www.epa.gov/NE/pr/2000/010700.html>

Hall, Craig, CIV, WSO-BRAC

From: Worcester, Paul, G, Col, 102FW/CC, 4667 [Paul.Worcester@maotis.ang.af.mil]
Sent: Saturday, May 28, 2005 4:42 PM
To: Mark Forest - Delahunt ofc (E-mail); Mieke Eoyang (E-mail); Craig Hall - BRAC Commission (E-mail)
Cc: Akey, Michael, COL, HQ, MA ANGCC; Schiavi, Anthony, E, Col, 102FW/CV, 4667; Shiver, Samuel, BG, HQ, MA ANG; Mason, Oliver J COL, MA-ARNG
Subject: FW: Tuesday schedule

What we have so far....on 31 MAY agenda and flow. PW

> -----Original Message-----

> From: McDonald, Clifford, Civ, 102FW/PA, 4090
> Sent: Saturday, May 28, 2005 4:36 PM
> To: Worcester, Paul, G, Col, 102FW/CC, 4667
> Subject: Tuesday schedule

> 1. 0815 - Will meet or pick-up Commissioner(s) depending on arrangements
> made - let us know how all arrive / which direction for which gate
> (There will be no meeting with Gov. Romney, Senators, or
> Congressman)

> 2 . 0830-0915 - Continental Breakfast Meeting with Stakeholders
> (briefs/discussions by them included) of the community at MMR Welcome
> Center.

> 1. Paul Worcester Introduces ??? (Formerly General Newton) (2
> min)

> 2. Commissioner(s)? Brief Remarks (5 min)

> 3. George Baker Mashpee Fire Chief, Spokesman for Otis
> Coalition

Moderator of Community Discussion (5 min)

> DraftKey points (have slide of MMR on the
> wall):

MMR is a regional military base and center for homeland
Security operations and training.....

Otis is host command, base used many public safety departments,
Otis infrastructure is used by many, which is why the cost of

> operations an issue

> Loss of Otis is major loss, disruption to military, USCG and other
> law enforcement first responders

> a. Panel 1 The on base MMR Community (8
> min)

Coast Guard, Army Guard, others, loss of otis....

> (If I can't get active durty,,, then get retired former MMR
> commanders...one lead speaker, TBA)

> b. Panel 2: Regional Perspective (8 min)

State Reps...w/ Senator Terry Murray as lead speaker

> (State needs otis, homeland security, pilgrim, lng, shipping lanes,
> terrific location near open ocean, community support is strong,
> support for new homeland security ctr is strong, meaning more users to
> share otis costs in future.....)

> c. Panel 3. Town Perspective: (8 min)

Selectmen Chairs, w/ Virginia as lead

(Feds invested \$700m in environmental improvements,

DCN: 11895

> and infrastructure...abundant water supplies now, soa
> WWT, drainage, that benefit not just otis, but all mmr tenants, but
> all towns, towns train people there
>
> d. Panel 4 Superior Encroachment
> Management/ Master Planning
> Two speakers:
> Maggie Geist, Director of APCC
> And John Lippman (10 min)
>
> Q and A Moderated by George Baker
> If time permits (5 minutes)
>
>
> At completion, 102FW and entourage depart
>
> 3. 0915-1000 - Windshield tour with Col W and various staff - TBD
> Windshield Tour of MMR: Driver, Col Worcester, Commissioners (4+1),
> Senators and Congressman aids, Col Mixson, Captain Brimblecom,
> Start:
> 1. Welcome Center - right on West Outer Road - to Lee Road.
> 2. Pass Dept Agriculture, barracks, theater, BX, Commissary, 3 in 1
> Store, CG Clinic, CG HQ, housing area.
> 3. Back on Lee Road, make mention of Camp Edwards HQ, continue to
> South Outer Road, and point out Golf Course.
> 4. Stay on S. Outer pass Civil Engineering, Motor Pool.
> 5. Turn left on Generals Blvd., point out 102 Com Center, and point
> out
> 253/267 CBC, IPR.
> 6. Right on Richardson Road, Camp Edwards Civil Eng., 7. Follow
> through gate at Army Aviation to site for new fire station.
> 8. Taxi ways to CG Air Station, tour of airfield, Bravo Taxi way to old
> fire station, control tower, point out ramp space, alert barns, temp
> shelters, Building 158, hush house.
> 9. Out through gate at fire station, munitions storage area, back to
> 158 Wing Conference Room for briefing.
>
> 4 . 1000-1130 - 102FW briefing room - Col W presents his Commander's
> brief with other MMR tenants (electeds staff remain with Col W and
> Commissioners)
>
> 5 . 1130-1200 - Commissioners Press Briefing (max of 15 minutes)
> outside gate (no military) but accessible to Otis ANGB
>
> 6. 1200 -1215 - Shuttle Commissioners to flightline for helo travel
> to Groton CT - escort is Col "Kimo" Schiavi - 102FW/CV
>
> Same - We plan on being here to brief the two of you (Craig and Brad) on
> Monday at 1300 or as your travel allows - we're flexible
>
> Same - We have your contact info - we can forward access instructions
> and/or whatever you might need. My cell number is (508) 274-6924 or
> home number (508) 209-0069
>
>
> Clifford McDonald
> 102nd Fighter Wing, Public Affairs
> Otis Air National Guard Base, MA 02542-1330
> (508) 968-4090 DSN 968-4090 FAX 968-4290
>

**Massachusetts Military Reservation [MMR]
Otis Air National Guard Base (ANGB)
Camp Edwards**

Massachusetts Military Reservation (MMR), a military training facility, is located on the upper western portion of Cape Cod, immediately south of the Cape Cod Canal in Barnstable County, Massachusetts. It includes parts of the towns of Bourne, Mashpee, and Sandwich and abuts the town of Falmouth. MMR covers about 22,000 acres—approximately 30 square miles.

The Massachusetts Military Reservation is located over a sole source aquifer that provides drinking water for 200,000 year-round and 500,000 seasonal residents of Cape Cod. The aquifer, referred to as the Sagamore Lens, is a valuable water supply resource.

The industrial area in the southern part of the reservation is where the US Coast Guard, Army National Guard, and Otis Air National Guard Base (ANGB) facilities are located. Aircraft runways, maintenance areas, access roads, housing, and support facilities are found in this 5,500-acre area. The northern 14,700-acre area, also known as Camp Edwards, is used primarily by the Army National Guard. This area contains the 2,200-acre Impact Area, associated military training ranges, and the U.S. Coast Guard Air Station Cape Cod. The 750-acre Veterans Administration Cemetery is located in the southwestern corner of the reservation.

Portions of MMR have been used for military purposes since 1911. The Massachusetts Military Reservation (MMR) was founded by the Commonwealth in 1935 as a National Guard training camp and federalized in 1940 in order to prepare for World War II. Although the occupants and property boundaries have changed a number of times since MMR was established in 1935, the primary mission has always been to provide training and housing to Air Force or Army units. Since 1935, the base has been used for Army training and maneuvers, military aircraft operations, maintenance, and support.

The US Army built and operated Camp Edwards on MMR between 1940 and 1946. The industrial area has been the most actively used part of MMR. During World War II, Army operations in this area included numerous motor pools, where activities such as vehicle repairs, parts cleaning, oil changes, body work, and repainting were performed.

From 1955 through 1972 the US Air Force operated Otis Air Force Base on MMR. Between 1955 and 1972, Air Force operations included the use of petroleum products and other hazardous materials such as fuels, motor oils, and cleaning solvents and the generation of associated wastes. Consistent with practices of other industries at the time, it was common practice for many years at MMR to dispose of such wastes in landfills, drywells, sumps, and the sewage

treatment plant. Spills and leaks also occurred. These activities have resulted in serious impacts to the Upper Cape's groundwater resources.

In 1973 the Massachusetts Governor appointed the Otis Task Force to oversee a phase-down of military activities at MMR. The major concern of Cape residents was the fate of base property and impacts on the local economy as military activities decreased.

In 1982, the IRP was initiated by the Department of Defense to investigate and clean up environmental problems at Department of Defense facilities nationwide, which included Otis Air National Guard Base. The program was expanded in 1986 to cover Camp Edwards (ARNG) and the Coast Guard Air Station Cape Cod and included investigations of hazardous waste sites at all MMR military units. Seventy-eight separate sites at MMR have been identified as having the potential for causing environmental problems.

The Massachusetts Department of Environmental Protection (DEP) began to actively review and oversee the expanded IRP program and to meet with ANG personnel to evaluate site investigation reports in 1986.

A review of past and present operations and waste disposal practices identified a number of potentially contaminated areas, including eight covering 3,900 acres on the southern portion of MMR. Six are within Otis ANGB: Former Fire Training Area, Current Fire Training Area, Base Landfill, Nondestructive Testing Laboratory Leach Pit, Fly Ash Disposal Area, and a plume of contaminated ground water from a sewage treatment plant. The two remaining areas, Unit Training Equipment Site (UTES) and Property Disposal Office Storage Yard, are on Camp Edwards, which is currently leased to the Army. The materials associated with the eight areas are fly ash, bottom ash, waste solvents, waste fuels, herbicides, and transformer oil.

While the Nondestructive Testing Laboratory operated (1970-78), waste solvents, emulsifiers, penetrants, and photographic developers were deposited in the sanitary sewer system. Effluent from the sewage treatment plant was discharged into sand beds, where it seeped into ground water. In 1984, the U.S. Geological Survey detected trichloroethane, tetrachloroethylene, and trans-1,2-dichloroethylene in monitoring wells downgradient of the plant. The plume of contaminated ground water extends 2 miles to the south. In 1983 and 1984, the Air Force detected volatile organic compounds (VOCs) in on-site monitoring wells near the Base Landfill and Current Fire Training Area. The Air National Guard and the State have detected VOCs in more than 200 private wells.

Beginning in 1985 ANG initiated an on- and off-base residential drinking water well testing program. ANG and the Air Force have subsequently worked with the towns of Falmouth, Sandwich, Bourne, and Mashpee to test residential water sources and place residences on municipal water supplies or supply bottled

water if private wells are found to be contaminated or potentially threatened by contamination. Water lines were installed in 1986-87 to the affected residences.

EPA has designated the Cape Cod aquifer underlying MMR as a Sole Source Aquifer under the Safe Drinking Water Act. The municipalities of Bourne and Sandwich, as well as the Air Force, have drinking water wells within 3 miles of hazardous substances at the site. To date, they are not contaminated. Irrigation wells are also within 3 miles. The drinking water of 36,000 people is potentially threatened.

Ashumet Pond, less than 1 mile downslope of the Former Fire Training Area, is used for recreational activities. A fresh water wetland is 3,600 feet downstream of the area.

The Air Force is participating in the Installation Restoration Program (IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. The Air Force has investigated Air Force property only. A committee that represents all service branches on MMR is coordinating a second investigation that addresses the entire facility.

As of November 1989 approximately 40 "operable units" were in various stages of evaluation, the majority in the remedial investigation phase. A six-day series of articles entitled "Broken Trust" was published by the Cape Cod Times in January 1997. The articles discussed the mismanagement and other problems associated with the MMR cleanup.

Fearful that military training was causing even more damage to the groundwater, EPA's New England Office in February 1997 ordered the National Guard to conduct a study of the effects of military training on groundwater. In May 1997, EPA suspended most military training at Camp Edwards, including all use of live explosives, propellants, flares and lead bullets. It was the first time in American history that military training activities had been halted due to environmental and public health concerns.

In 1998 the Air Force, with congressional approval, agreed to compensate local cranberry growers and the Towns of Falmouth and Mashpee for lost income from cranberry bogs affected by Ethylene dibromide (EDB) from base plumes. In 1999 the Natural Resources Trustee Council (NRTC) was formed to identify injury caused by contamination from MMR. The council will also determine how to restore or replace those injured resources or acquire similar ones. The five trustees and voting members include representatives from the U.S. Air Force, U.S. Army, Massachusetts Executive Office of Environmental Affairs, U.S. Department of Interior, and U.S. Veterans Affairs.

As a result of the evidence of contamination, EPA in January 2000 ordered the National Guard to begin the process for the removal of unexploded ordnance from the base and to clean up contaminated groundwater and soils. The order was the first of its kind in the country. And in January 2001, EPA ordered the military to use a detonation chamber at the base to destroy the more than 2,500 rounds of different kinds of ammunition dug out of burial pits on the base during the course of the military's investigation of pollution at the firing ranges.

Over \$400 million has been spent to date on investigation and cleanup of Installation Restoration Program sites. The estimated total cost to complete the cleanup project is \$850 million. These costs include operation of all groundwater cleanup systems for 10 to 30 years. There are currently 12 groundwater cleanup systems operating on eight plumes, extracting and cleaning over 12 million gallons a day of contaminated water from both on and off the MMR. Five more groundwater cleanup systems are to be built during the next four years. Some systems are expected to operate for less than ten years, but several will need to be operated for 25-30 years in order to restore the groundwater aquifer.

For years since the pollution was detected, capital improvements at MMR were put on hold, awaiting a final Master Plan, Environmental Impact Statement and new management structure. As of late 2001 there was over \$50 million in MMR modernization work pending. Its aircraft control tower exceeds allowable safety heights; the fire station doesn't meet fire codes; and the Fighter Wing's operations are spread across seven deteriorating structures.

Military Service	Range Complex	United States (US) or Overseas (OS)	State or Country	Major Command or Claimant Organization	Range Description *				Range Type											
					Land Area for Ranges (acres)	Special Use Airspace (sq nm)	Sea Surface Area (sq nm)	Underwater Tracing Area (sq nm)	Air-to-Air	Air-to-Ground	Land Maneuver	Land Impact Area	Land Firing Range	CFWREN	Coastal Operating Area	MCNT	Underwater Tracing Range	Amphibious Area	Other	
	VACAPES	US	VA/NC	CFFC	1,541	30,563	28,923	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Whidbey Island	US	WA/OR/CA	CFFC	47,982	43,870	126,630	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Test and Evaluation	Various	Various	NAVAIR/NAVSEA	1,161,900	31,880	1,650	195	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
MARINE CORPS																				
	Camp Butler	OS	Japan	MARFORPAC	47,000	3,330	0	0			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Camp Lejeune	US	NC	MARFORLANT	152,000	200	11	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Camp Pendleton	US	CA	MARFORPAC	114,000	392	17	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Cherry Point	US	NC	COMCABEAST	29,138	20,712	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MAGTFTC 29 Palms	US	CA	TECOM	594,083	1,267	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MCAS Beaufort/Townsend	US	SC	COMCABEAST	5,200	1,206	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MCAS Miramar	US	CA	COMCABWEST	4,682	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Bob Stump Training Range Complex	US	AZ	COMCABWEST	1,218,000	10,000	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MCB Hawaii	US/OS	HI	MARFORPAC	1,857	0	0	0			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MCB Quantico	US	VA	MCCDC	60,080	278	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MCLB Albany	US	GA	MATCOM	4	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MCLB Barstow	US	CA	MATCOM	2,438	0	0	0			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MCMWTC Bridgeport	US	CA	TECOM	45,217	0	0	0			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MCRD Parris Island	US	SC	TECOM	50	0	0	0			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
AIR FORCE																				
	Adirondack	US	NY	ANG	35,000	200	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Airburn	US	CO	ANG	3,110	26	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Altamonte	US	IN	ANG	33,000	103	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Avon Park	US	FL	ACC	106,110	1,400	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Barry M. Goldwater Range	US	AZ	AETC	1,100,000	3,906	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Belle Fourche ESS	US	SD	ACC	183	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Blair Lake	US	AK	PACAF	2,560	22,000	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Bolton	US	PA	ANG	18,000	42	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Cannon	US	MO	ANG	4,405	339	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Clabome	US	LA	AFRes	3,140	135	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Dera County Ranges	US	SC	ACC	46,621	1,184	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Edwards Ranges	US	CA	AFMC	58,080	20,000	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Eglin Ranges	US	FL	AFMC	463,360	133,979	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Falcon	US	OK	AFRes	5,200	1,845	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Grand Bay	US	GA	ACC	5,900	17,290	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Grayling	US	MI	ANG	8,000	63	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Hardwood	US	WI	ANG	7,929	84	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Holloman	US	NM	ACC	230,320	2,256	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Jefferson	US	IN	ANG	55,280	160	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Koon-Hi	OS	Korea	PACAF	0	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Lone Star ESS	US	TX	ACC	90	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	McKullen	US	TX	ANG	1,200	63	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Meitros	US	NM	ACC	66,033	22,000	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Mountain Home Ranges	US	ID	ACC	122,278	18,526	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Nevada Testing and Training Range	US	NV	ACC	2,900,000	12,000	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Oklahoma	US	AK	PACAF	25,600	22,000	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Pilsung	OS	Korea	PACAF	0	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Polnasett	US	SC	ACC	12,500	1,500	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Polygon	OS	France/Germany	USAFE	0	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Razorback	US	AR	ANG	19,670	128	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Ripsaw	OS	Japan	PACAF	0	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Shelby Ranges	US	MS	ANG	26,676	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Shoal Creek	US	TX	AFRes	17,540	5,200	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Siegenberg	OS	Germany	USAFE	0	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Smokay Hill	US	KS	ANG	33,875	53	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Snyder ESS	US	TX	ACC	90	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Torishima	OS	Japan	PACAF	0	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Townsend	US	GA	ANG	5,183	288	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Utah Testing and Training Ranges	US	UT	ACC	1,804,399	12,574	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Warren Grove	US	NJ	ANG	9,416	30	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Yukon	US	AK	PACAF	25,600	22,000	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

* Estimates are based on currently available information. Estimates may change as a result of ongoing reviews. Users from various units, installations, and Services share special use airspace (SUA). For this reason, a simple one-to-one linking of airspace to installations does not fully describe airspace usage. As a general rule, this inventory links SUA to the installation responsible for scheduling SUA use. A full discussion of the management of SUA is beyond the scope of this report. Readers should therefore interpret the SUA information in this inventory with appropriate caution. Subsequent Section 366 and 320 reports will include a fuller discussion of SUA.

Source: Department of Defense data provided by the Military Services.

Special Use Airspace

Military Service	SUA Name	Contacting Agency	Range Complex/Installation Name	User	Area (sq mi)	Totals
ARCY	R4001A	FAA, WASHINGTON, DC ARTCC	Aberdeen Proving Ground	USA	105	
	R4001B	FAA, WASHINGTON, DC ARTCC	Aberdeen Proving Ground	USA	28	133
	R2101	FAA, ATLANTA ARTCC	Annisston Army Depot	USA	2	2
	R3203B	FAA, SALT LAKE CITY ARTCC	Boise	USA	90	
	R3203C	FAA, SALT LAKE CITY ARTCC	Boise	USA	9	
	R3203A	FAA, SALT LAKE CITY ARTCC	Boise	USA	90	
	SADDLE A MOA, OR	FAA, SALT LAKE CITY ARTCC	Boise	USA	514	
	SADDLE B MOA, OR	FAA, SALT LAKE CITY ARTCC	Boise	USA	1273	1976
	R4101	FAA, CAPE APP	Camp Edwards	USA	13	13
	STEELHEAD MOA, MI	FAA, CLEVELAND ARTCC	Camp Grayling	USA	2205	
	PIKE WEST MOA, MI	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	2774	
	PIKE EAST MOA, MI	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	3591	
	R4201A	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	64	
	R4202	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	5	
	R4201B	FAA, MINNEAPOLIS ARTCC	Camp Grayling	USA	41	8680
	R7001B	FAA, DENVER ARTCC	Camp Guernsey	USA	46	
	R7001A	FAA, DENVER ARTCC	Camp Guernsey	USA	46	46
	R4301	FAA, MINNEAPOLIS ARTCC	Camp Riley	USA	64	64
	R2504	FAA, OAKLAND ARTCC	Camp Roberts	USA	25	25
	R2401B	FAA, MEMPHIS ARTCC	Chaffee	USA	2	
	R2401A	FAA, MEMPHIS ARTCC	Chaffee	USA	16	
	R2402	FAA, MEMPHIS ARTCC	Chaffee	USA	63	81
	R2602	FAA, DENVER ARTCC	Colorado Springs Training Site	USA	1	
	R4102A	FAA, BOSTON ARTCC	Devens Reserve Forces Training Area	USA	6	
	R4102B	FAA, BOSTON ARTCC	Devens Reserve Forces Training Area	USA	6	6
	R2310C	FAA, ALBUQUERQUE ARTCC	Florence Training Site	USA	15	
	R2310A	FAA, ALBUQUERQUE ARTCC	Florence Training Site	USA	29	
	R2310B	FAA, ALBUQUERQUE ARTCC	Florence Training Site	USA	18	61
	HILL MOA, VA	FAA, POTOMAC APP	Fort A.P. Hill	USA	36	
	R6501	FAA, RICHMOND TWR	Fort A.P. Hill	USA	40	
	HILL TOP MOA, IN	FAA, CHICAGO ARTCC	Fort A.P. Hill	USA	850	926
	R3002F	FAA, ATLANTA ARTCC	Fort Benning	USA	119	
	R3002D	FAA, ATCT, COLUMBUS	Fort Benning	USA	79	
	R3002E	FAA, ATCT, COLUMBUS	Fort Benning	USA	79	
	BENNING MOA, GA	FAA, COLUMBUS TWR	Fort Benning	USA	107	
	R3002A	FAA, ATCT, COLUMBUS	Fort Benning	USA	117	
	R3002B	FAA, ATCT, COLUMBUS	Fort Benning	USA	117	
	R3002C	FAA, ATCT, COLUMBUS	Fort Benning	USA	117	422
	R5103C	FAA, ALBUQUERQUE ARTCC	Fort Bliss	USA	659	
	R5103A	FAA, ALBUQUERQUE ARTCC	Fort Bliss	USA	279	
	R5103B	FAA, ALBUQUERQUE ARTCC	Fort Bliss	USA	659	1597
	R5311C	FAA, WASHINGTON, DC ARTCC	Fort Bragg	USA	121	
	FORT BRAGG SOUTH AREA A MOA, NC (XA)	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	11	
	FORT BRAGG NORTH AREA B MOA, NC	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	30	
	FORT BRAGG SOUTH AREA B MOA, NC	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	36	
	FORT BRAGG NORTH AREA A MOA, NC	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	42	
	FORT BRAGG SOUTH AREA A MOA, NC	FAA, FAYETTEVILLE TWR	Fort Bragg	USA	53	
	R5311A	FAA, WASHINGTON, DC ARTCC	Fort Bragg	USA	123	
	R5311B	FAA, WASHINGTON, DC ARTCC	Fort Bragg	USA	123	540
	R3702B	FAA, MEMPHIS ARTCC	Fort Campbell	USA	93	
	R3702A	FAA, MEMPHIS ARTCC	Fort Campbell	USA	93	
	CAMPBELL 2 MOA, KY	FAA, MEMPHIS ARTCC	Fort Campbell	USA	311	
	CAMPBELL 1 MOA, KY	FAA, MEMPHIS ARTCC	Fort Campbell	USA	396	
	R3701	USA, CAMPBELL AAF APP	Fort Campbell	USA	8	
	CAMPBELL 2 MOA, KY (XA)	FAA, MEMPHIS ARTCC	Fort Campbell	USA	30	931
	R2601B	FAA, DENVER ARTCC	Fort Carson	USA	123	
	R2601C	FAA, DENVER ARTCC	Fort Carson	USA	123	
	R2601D	FAA, DENVER ARTCC	Fort Carson	USA	123	
	R2601A	FAA, DENVER ARTCC	Fort Carson	USA	123	
	PINON CANYON MOA, CO	FAA, DENVER ARTCC	Fort Carson	USA	1030	1153
	R5002E	FAA, NEW YORK ARTCC	Fort Dix	USA	2	
	R5002D	FAA, NEW YORK ARTCC	Fort Dix	USA	3	
	R5002C	FAA, NEW YORK ARTCC	Fort Dix	USA	9	
	R5002B	FAA, NEW YORK ARTCC	Fort Dix	USA	12	
	R5001B	FAA, NEW YORK ARTCC	Fort Dix	USA	21	
	R5001A	FAA, NEW YORK ARTCC	Fort Dix	USA	23	
	R5002A	FAA, NEW YORK ARTCC	Fort Dix	USA	36	104
	R5201	FAA, BOSTON ARTCC	Fort Drum	USA	110	
	DRUM 2 MOA, NY	USA, WHEELER SACK APP	Fort Drum	USA	94	
	DRUM 1 MOA, NY	USA, WHEELER SACK APP	Fort Drum	USA	95	299
	R3004	FAA, ATLANTA ARTCC	Fort Gordon	USA	31	31
	R2202C	FAA, ANCHORAGE ARTCC	Fort Greely	USA	563	
	R2202A	FAA, ANCHORAGE ARTCC	Fort Greely	USA	169	
	R2202B	FAA, ANCHORAGE ARTCC	Fort Greely	USA	392	1124
	R6302D	FAA, HOUSTON ARTCC	Fort Hood	USA	24	
	R6302C	FAA, HOUSTON ARTCC	Fort Hood	USA	40	
	R6302A	FAA, HOUSTON ARTCC	Fort Hood	USA	126	
	R6302B	FAA, HOUSTON ARTCC	Fort Hood	USA	15	

Special Use Airspace

Military Service	MOA Name	Controlling Agency	Range Complex Institution Name	User	Area (sq mi)	Total
	GRAY MOA, TX	FAA, HOUSTON ARTCC	Fort Hood	USA	28	
	HOOD MOA, TX	FAA, HOUSTON ARTCC	Fort Hood	USA	267	
	R6320	FAA, HOUSTON ARTCC	Fort Hood	USA		500
	R2303C	FAA, ALBUQUERQUE ARTCC	Fort Huachuca	USA	233	
	R2303B	FAA, ALBUQUERQUE ARTCC	Fort Huachuca	USA	316	
	R2303A	FAA, ALBUQUERQUE ARTCC	Fort Huachuca	USA	266	815
	R2513	FAA, OAKLAND ARTCC	Fort Hunter-Leggett	USA	113	113
	KIOWA MOA, PA	FAA, NEW YORK ARTCC	Fort Indiantown Gap	USA	20	
	R5802A	FAA, NEW YORK ARTCC	Fort Indiantown Gap	USA	12	
	R5802B	FAA, NEW YORK ARTCC	Fort Indiantown Gap	USA	14	45
	R2502N	FAA, HI-DESERT TRACON, EDWARDS AFB	Fort Irwin	USA	560	560
	R6001B	FAA, JACKSONVILLE ARTCC	Fort Jackson	USA	40	
	R6001A	FAA, JACKSONVILLE ARTCC	Fort Jackson	USA	38	78
	R3704B	FAA, STANDFORD TWR, LOUISVILLE	Fort Knox	USA	113	
	R3704A	FAA, STANDFORD TWR, LOUISVILLE	Fort Knox	USA	113	113
	R6602B	FAA, WASHINGTON, DC ARTCC	Fort Lee	USA	33	
	R6602C	FAA, WASHINGTON, DC ARTCC	Fort Lee	USA	33	
	R6602A	FAA, WASHINGTON, DC ARTCC	Fort Lee	USA	36	69
	R4501B(B)	FAA, KANSAS CITY ARTCC	Fort Leonard Wood	USA	0	
	R4501F	FAA, KANSAS CITY ARTCC	Fort Leonard Wood	USA	4	
	R4501B(A)	FAA, KANSAS CITY ARTCC	Fort Leonard Wood	USA	10	
	RAINIER 3 MOA, WA	FAA, SEATTLE-TACOMA APP CON	Fort Leonard Wood	USA	14	
	R4501H	FAA, KANSAS CITY ARTCC	Fort Leonard Wood	USA	15	
	R4501A	FAA, KANSAS CITY ARTCC	Fort Leonard Wood	USA	21	
	RAINIER 1 MOA, WA	FAA, SEATTLE-TACOMA APP CON	Fort Leonard Wood	USA	27	
	R4501C	FAA, KANSAS CITY ARTCC	Fort Leonard Wood	USA	34	
	R4501D	FAA, KANSAS CITY ARTCC	Fort Leonard Wood	USA	34	
	R4501E	FAA, KANSAS CITY ARTCC	Fort Leonard Wood	USA	34	
	RAINIER 2 MOA, WA	FAA, SEATTLE-TACOMA APP CON	Fort Leonard Wood	USA	49	175
	R6714D	FAA, SEATTLE ARTCC	Fort Lewis	USA	4	
	R6714F	FAA, SEATTLE ARTCC	Fort Lewis	USA	14	
	R6714G	FAA, SEATTLE ARTCC	Fort Lewis	USA	21	
	R6714B	FAA, SEATTLE ARTCC	Fort Lewis	USA	25	
	R6714C	FAA, SEATTLE ARTCC	Fort Lewis	USA	29	
	R6714A	FAA, SEATTLE ARTCC	Fort Lewis	USA	228	
	R6714H	FAA, SEATTLE ARTCC	Fort Lewis	USA	26	346
	R2102C	FAA, ATLANTA ARTCC	Fort McClellan	USA	27	
	R2102A	FAA, ATLANTA ARTCC	Fort McClellan	USA	27	
	R2102B	FAA, ATLANTA ARTCC	Fort McClellan	USA	27	27
	R6901B	FAA, CHICAGO ARTCC	Fort McCoy	USA	21	
	R6901A	FAA, CHICAGO ARTCC	Fort McCoy	USA	50	70
	PICKETT 3 MOA, VA	FAA, WASHINGTON, DC ARTCC	Fort Pickett	USA	23	
	PICKETT 1 MOA, VA	FAA, WASHINGTON, DC ARTCC	Fort Pickett	USA	45	
	PICKETT 2 MOA, VA	FAA, WASHINGTON, DC ARTCC	Fort Pickett	USA	93	161
	WARRIOR 2 LOW MOA, LA	FAA, HOUSTON ARTCC	Fort Polk	USA	4	
	R3804B	FAA, HOUSTON ARTCC	Fort Polk	USA	14	
	WARRIOR 2 LOW MOA, LA (XA)	FAA, HOUSTON ARTCC	Fort Polk	USA	26	
	R3803A	FAA, HOUSTON ARTCC	Fort Polk	USA	41	
	R3804A	FAA, HOUSTON ARTCC	Fort Polk	USA	100	
	WARRIOR 2 HIGH MOA, LA	FAA, HOUSTON ARTCC	Fort Polk	USA	886	
	WARRIOR 3 HIGH MOA, LA	FAA, HOUSTON ARTCC	Fort Polk	USA	1010	
	WARRIOR 3 LOW MOA, LA	FAA, HOUSTON ARTCC	Fort Polk	USA	1010	
	WARRIOR 1 LOW MOA, LA	FAA, HOUSTON ARTCC	Fort Polk	USA	1600	
	WARRIOR 1 HIGH MOA, LA	FAA, HOUSTON ARTCC	Fort Polk	USA	1793	5471
	R2205	FAA, FAIRBANKS APP	Fort Richardson	USA	136	
	R2203C	FAA, ANCHORAGE APP	Fort Richardson	USA	1	
	R2203A	FAA, ANCHORAGE APP	Fort Richardson	USA	6	
	R2203B	FAA, ANCHORAGE APP	Fort Richardson	USA	20	163
	R3602A	FAA, KANSAS CITY ARTCC	Fort Riley	USA	49	
	R3602B	FAA, KANSAS CITY ARTCC	Fort Riley	USA	58	107
	R2103A	USA, CAIRNS APP	Fort Rucker	USA		
	R2103B	FAA, JACKSONVILLE ARTCC	Fort Rucker	USA		
	R5601C	FAA, FORT WORTH ARTCC	Fort Sill	USA	18	
	R5601A	FAA, FORT WORTH ARTCC	Fort Sill	USA	34	
	R5601D	FAA, FORT WORTH ARTCC	Fort Sill	USA	36	
	R5601B	FAA, FORT WORTH ARTCC	Fort Sill	USA	55	
	R6601E	FAA, FORT WORTH ARTCC	Fort Sill	USA	9	153
	HOG LOW SOUTH MOA, AR (XB)	FAA, MEMPHIS ARTCC	Fort Smith	USA	2	
	HOG LOW NORTH MOA, AR (XB)	FAA, MEMPHIS ARTCC	Fort Smith	USA	22	
	HOG LOW SOUTH MOA, AR (XA)	FAA, MEMPHIS ARTCC	Fort Smith	USA	22	
	HOG JRTC MOA, AR	FAA, MEMPHIS ARTCC	Fort Smith	USA	25	
	HOG LOW NORTH MOA, AR (XA)	FAA, MEMPHIS ARTCC	Fort Smith	USA	27	
	HOG LOW NORTH MOA, AR	FAA, MEMPHIS ARTCC	Fort Smith	USA	653	
	HOG HIGH NORTH MOA, AR	FAA, MEMPHIS ARTCC	Fort Smith	USA	685	
	HOG LOW SOUTH MOA, AR	FAA, MEMPHIS ARTCC	Fort Smith	USA	790	
	HOG HIGH SOUTH MOA, AR	FAA, MEMPHIS ARTCC	Fort Smith	USA	1294	
	SHIRLEY 1 MOA, AR	FAA, MEMPHIS ARTCC	Fort Smith	USA	3067	6565
	R3005E	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	35	
	R3005B	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	46	
	R3005D	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	50	
	R3005A	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	71	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex Installation Name	User	Area (sq mi)	Totals
	R3005C	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	107	
	FORT STEWART C1 MOA, GA	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	31	
	FORT STEWART C2 MOA, GA	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	70	
	FORT STEWART B1 MOA, GA	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	146	
	FORT STEWART B2 MOA, GA	FAA, JACKSONVILLE ARTCC	Fort Stewart	USA	146	556
	TWELVE MILE WEST MOA, IN	FAA, CHICAGO ARTCC	Fort Wayne	USA	206	
	TWELVE MILE EAST MOA, IN	FAA, CHICAGO ARTCC	Fort Wayne	USA	371	579
	DE SOTO 1 MOA, MS (XA)	FAA, HOUSTON ARTCC	Gulfport	USA	22	
	DE SOTO 1 MOA, MS	FAA, HOUSTON ARTCC	Gulfport	USA	295	
	DE SOTO 2 MOA, MS	FAA, HOUSTON ARTCC	Gulfport	USA	466	783
	R5203	FAA, CLEVELAND ARTCC	Hancock Field	USA	707	707
	R4811	FAA, OAKLAND ARTCC	Hawthorne Army Ammunition Plant	USA		
	R3401A	FAA, INDIANAPOLIS ARTCC	Indianapolis	USA	43	
	R3403A	FAA, INDIANAPOLIS ARTCC	Indianapolis	USA	53	
	R3403B	FAA, INDIANAPOLIS ARTCC	Indianapolis	USA	27	
	R3401B	FAA, INDIANAPOLIS ARTCC	Indianapolis	USA	35	158
	JUNIPER NORTH MOA, OR	FAA, SEATTLE ARTCC	Kingley Field	USA	1610	
	JUNIPER SOUTH MOA, OR	FAA, SEATTLE ARTCC	Kingley Field	USA	1734	
	JUNIPER LOW MOA, OR	FAA, SEATTLE ARTCC	Kingley Field	USA	3045	6389
	R5801	FAA, WASHINGTON, DC ARTCC	Letterkenny Ordnance Depot	USA		
	R5803	FAA, WASHINGTON, DC ARTCC	Letterkenny Ordnance Depot	USA		
	R2403A	FAA, MEMPHIS ARTCC	Little Rock	USA	7	
	R2403B	FAA, MEMPHIS ARTCC	Little Rock	USA	10	17
	R2302	FAA, ALBUQUERQUE ARTCC	Navajo Ordnance Depot	USA		
	R2104E	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	4	
	R2104A	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	17	
	R2104D	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	4	25
	R2104C	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	184	
	R2104B	FAA, MEMPHIS ARTCC	Redstone Arsenal	USA	184	
	SMOKY HIGH MOA, KS	FAA, KANSAS CITY ARTCC	Salinas	USA	1074	1259
	SMOKY MOA, KS	FAA, KANSAS CITY ARTCC	Salinas	USA	4	
	BISON MOA, KS	FAA, KANSAS CITY ARTCC	Salinas	USA	184	
	R5207	FAA, NEW YORK ARTCC	Seneca Army Depot	USA		
	R2530	FAA, OAKLAND ARTCC	Sierra Army Depot	USA	4	4
	LAKE ANDES MOA, SD	FAA, MINNEAPOLIS ARTCC	Sioux Falls	USA	3490	3490
	PRUITT A MOA, IL (XC)	FAA, KANSAS CITY ARTCC	Springfield	USA	12	
	HOWARD WEST MOA, IL	FAA, KANSAS CITY ARTCC	Springfield	USA	321	
	PRUITT B MOA, IL	FAA, KANSAS CITY ARTCC	Springfield	USA	425	
	PRUITT A MOA, IL (XA)	FAA, KANSAS CITY ARTCC	Springfield	USA	966	
	HOWARD EAST MOA, IL	FAA, KANSAS CITY ARTCC	Springfield	USA	1844	
	PRUITT A MOA, IL	FAA, KANSAS CITY ARTCC	Springfield	USA		3568
	PRUITT A MOA, IL (XB)	FAA, KANSAS CITY ARTCC	Springfield	USA		
	RED HILLS MOA, IN	FAA, INDIANAPOLIS ARTCC	Terre Haute	USA	1369	1369
	R5403	FAA, SALT LAKE CITY ARTCC	Tooele Army Depot	USA	2	2
	R3601B	FAA, KANSAS CITY ARTCC	Topeka	USA	16	
	R3601A	FAA, KANSAS CITY ARTCC	Topeka	USA	54	69
	RIVERS MOA, OK	FAA, FORT WORTH ARTCC	Tulsa	USA	1931	1931
	R5206	FAA, NEW YORK APP	West Point	USA	4	4
	R5107E	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	127	
	R5107A	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	281	
	R5111C	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	317	
	R5111D	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	317	
	R5111A	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	404	
	R5107D	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	551	
	R5107C	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	892	
	R5107B	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	3138	
	R5107J	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	77	
	R5111B	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	404	
	R5107H	FAA, ALBUQUERQUE ARTCC	White Sands Missile Range	USA	813	7321
	R2308D	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	15	
	R2308C	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	29	
	R2308E	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	65	
	R2308B	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	77	
	R2308A	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	165	
	R2307	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	208	
	R2308A	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	291	
	R2306C	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USA	551	
	R2311	YUMA APP, YUMA MCAS	Yuma Proving Ground	USA	37	
	BEAVER MOA, MN	FAA, MINNEAPOLIS ARTCC	USA	62	1500	
	BIG BEAR MOA, MI	FAA, MINNEAPOLIS ARTCC	USA	2485		
	BIG BEAR MOA, MI (XA)	FAA, MINNEAPOLIS ARTCC	USA	1744		
	BIRMINGHAM 2 MOA, AL	FAA, ATLANTA ARTCC	USA	9		
	BIRMINGHAM 2 MOA, AL (XA)	FAA, ATLANTA ARTCC	USA	1135		
	BIRMINGHAM 2 MOA, AL (XB)	FAA, ATLANTA ARTCC	USA	44		
	BIRMINGHAM MOA, AL	FAA, ATLANTA ARTCC	USA	146		
	BRUSH CREEK MOA, OH	FAA, INDIANAPOLIS ARTCC	USA	1185		
	BUCKEYE MOA, OH	FAA, INDIANAPOLIS ARTCC	USA	719		
	CAMDEN RIDGE MOA, AL	FAA, ATLANTA ARTCC	USA	1650		
	CANNON A MOA, MO	FAA, KANSAS CITY ARTCC	USA	2154		
	CANNON B MOA, MO	FAA, KANSAS CITY ARTCC	USA	282		
				USA	16	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex/Installation Name	User	Area (sq mi)	Totals
	CONDOR 1 MOA, ME	FAA, BOSTON ARTCC		USA	2417	
	CONDOR 2 MOA, ME	FAA, BOSTON ARTCC		USA	613	
	CRYPT CENTRAL MOA, IA	FAA, MINNEAPOLIS ARTCC		USA	1475	
	CRYPT NORTH MOA, IA	FAA, MINNEAPOLIS ARTCC		USA	1772	
	CRYPT SOUTH MOA, IA	FAA, MINNEAPOLIS ARTCC		USA	1321	
	DEEPWOODS MOA, ME	FAA, BANGOR APP CON		USA	204	
	DUKE MOA, PA	FAA, CLEVELAND ARTCC		USA	1639	
	FALCON 1 MOA, NY	FAA, BOSTON ARTCC		USA	2034	
	FALCON 3 MOA, NY	FAA, BOSTON ARTCC		USA	242	
	HART NORTH MOA, OR	FAA, SEATTLE ARTCC		USA	658	
	HART SOUTH MOA, OR	FAA, SEATTLE ARTCC		USA	1820	
	HAYS MOA, MT	FAA, SALT LAKE CITY ARTCC		USA	5396	
	JACKAL LOW MOA, AZ	FAA, ALBUQUERQUE ARTCC		USA	676	
	JACKAL LOW MOA, AZ (XA)	FAA, ALBUQUERQUE ARTCC		USA	21	
	JACKAL MOA, AZ	FAA, ALBUQUERQUE ARTCC		USA	3561	
	LINCOLN MOA, NE	FAA, MINNEAPOLIS ARTCC		USA	1304	
	LINDBERGH A MOA, MO	FAA, KANSAS CITY ARTCC		USA	976	
	LINDBERGH B MOA, MO	FAA, KANSAS CITY ARTCC		USA	867	
	LINDBERGH C MOA, MO	FAA, KANSAS CITY ARTCC		USA	762	
	LINDBERGH D MOA, MO	FAA, KANSAS CITY ARTCC		USA	537	
	LINDBERGH E MOA, MO	FAA, KANSAS CITY ARTCC		USA	611	
	MISTY 1 MOA, NY	FAA, CLEVELAND ARTCC		USA	597	
	MISTY 2 MOA, NY	FAA, CLEVELAND ARTCC		USA	715	
	MISTY 3 MOA, NY	FAA, CLEVELAND ARTCC		USA	519	
	MORENCI MOA, AZ	FAA, ALBUQUERQUE ARTCC		USA	1755	
	O NEILL MOA, NE	FAA, MINNEAPOLIS ARTCC		USA	2199	
	OUTLAW MOA, AZ	FAA, ALBUQUERQUE ARTCC		USA	1984	
	RESERVE MOA, AZ	FAA, ALBUQUERQUE ARTCC		USA	2528	
	RUBY 1 MOA, AZ	FAA, ALBUQUERQUE ARTCC		USA	587	
	SALEM MOA, MO	FAA, KANSAS CITY ARTCC		USA	1432	
	SALEM MOA, MO (XA)	FAA, KANSAS CITY ARTCC		USA	27	
	SNOOPY EAST MOA, MN	FAA, MINNEAPOLIS ARTCC		USA	954	
	SNOOPY EAST MOA, MN (XA)	FAA, MINNEAPOLIS ARTCC		USA	116	
	SNOOPY WEST MOA, MN	FAA, MINNEAPOLIS ARTCC		USA	2763	
	SYRACUSE 1 MOA, NY	USA, WHEELER SACK APPROACH		USA	605	
	SYRACUSE 2A MOA, NY	USA, WHEELER SACK APPROACH		USA	251	
	SYRACUSE 3 MOA, NY	USA, WHEELER SACK APPROACH		USA	131	
	SYRACUSE 4 MOA, NY	USA, WHEELER SACK APPROACH		USA	186	
	YANKEE 1 MOA, NH	FAA, BOSTON ARTCC		USA	1915	
	YANKEE 2 MOA, NH	FAA, BOSTON ARTCC		USA	772	
	W107B	FAA, WASHINGTON, DC ARTCC	Atlantic City Range Complex	USN	225	
	W107C	FAA, WASHINGTON, DC ARTCC	Atlantic City Range Complex	USN	549	
	W107A	FAA, WASHINGTON, DC ARTCC	Atlantic City Range Complex	USN	4800	
	W104A	FAA, BOSTON ARTCC	Boston Range Complex	USN	315	
	W103	FAA, BOSTON ARTCC	Boston Range Complex	USN	1478	
	W104B	FAA, BOSTON ARTCC	Boston Range Complex	USN	1505	
	W102H	FAA, BOSTON ARTCC	Boston Range Complex	USN	3434	
	W102L	FAA, BOSTON ARTCC	Boston Range Complex	USN	3434	
	R2506	FAA, HI-DESERT TRACON, EDWARDS AFB	China Lake Range Complex	USN	48	
	R2524	FAA, HI-DESERT TRACON, EDWARDS AFB	China Lake Range Complex	USN	707	
	R2505	FAA, HI-DESERT TRACON, EDWARDS AFB	China Lake Range Complex	USN	778	
	R2512	FAA, LOS ANGELES ARTCC	El Centro Range Complex	USN	75	
	R2510B	FAA, LOS ANGELES ARTCC	El Centro Range Complex	USN	124	
	R2510A	FAA, LOS ANGELES ARTCC	El Centro Range Complex	USN	181	
	R4803	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	26	
	R4810	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	87	
	R4804A	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	88	
	AUSTIN 2 MOA, NV (XA)	FAA, SALT LAKE CITY ARTCC	Fallon Range Complex	USN	95	
	RANCHO HIGH MOA, NV	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	86	
	R4812	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	101	
	AUSTIN 1 MOA, NV (XA)	FAA, SALT LAKE CITY ARTCC	Fallon Range Complex	USN	105	
	CARSON MOA, NV	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	130	
	GABBS NORTH MOA, NV (XA)	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	141	
	GABBS SOUTH MOA, NV	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	286	
	RANCHO MOA, NV	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	314	
	R4816S	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	331	
	R4816M	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	405	
	AUSTIN 2 MOA, NV	FAA, SALT LAKE CITY ARTCC	Fallon Range Complex	USN	842	
	GABBS CENTRAL MOA, NV	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	921	
	RENO MOA, NV	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	1013	
	AUSTIN 1 MOA, NV	FAA, SALT LAKE CITY ARTCC	Fallon Range Complex	USN	2403	
	GABBS NORTH MOA, NV	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	2690	
	GABBS CENTRAL MOA, NV (XA)	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	921	
	GABBS NORTH MOA, NV (XB)	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	2689	
	GABBS NORTH MOA, NV (XC)	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	141	
	GABBS NORTH MOA, NV (XD)	FAA, OAKLAND ARTCC	Fallon Range Complex	USN		
	GABBS NORTH MOA, NV (XE)	FAA, OAKLAND ARTCC	Fallon Range Complex	USN		
	R4813A	FAA, OAKLAND ARTCC	Fallon Range Complex	USN	417	
	R4813B	FAA, OAKLAND ARTCC	Fallon Range Complex	USN		
	BRADY LOW MOA, TX (XA)	FAA, HOUSTON ARTCC	Fort Worth NAS JRB	USN	43	

STATION	Controlling Agency	Range Complex/Insulation Name	User	Area (sq. mi.)	Total
W174C(A)	FAA, MIAMI ARTCC	Key West Range Complex	USN	1000	
W174F	FAA, MIAMI ARTCC	Key West Range Complex	USN	807	
W174G	FAA, MIAMI ARTCC	Key West Range Complex	USN	457	
W174C(B)	FAA, MIAMI ARTCC	Key West Range Complex	USN	396	
W174E	FAA, MIAMI ARTCC	Key West Range Complex	USN	261	
W174B(B)	FAA, MIAMI ARTCC	Key West Range Complex	USN	211	
W174	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1743	
W132	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1743	
W132A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1005	
W132B	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	363	
SNOWBIRD MOA, TN	FAA, ATLANTA ARTCC	Jacksonville Range Complex	USN	1444	
GATOR 1 MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1368	
QUICK THRUST 1 MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1258	
QUICK THRUST N MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	567	
QUICK THRUST M MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	458	
PALATKA 1 MOA, FL	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	413	
QUICK THRUST L MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	325	
QUICK THRUST J MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	290	
PALATKA 2 MOA, FL	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	143	
QUICK THRUST G MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	143	
QUICK THRUST E MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	126	
GATOR 2 MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	89	
R2907A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	78	
R2910	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	75	
R2906	FAA, JACKSONVILLE TRACON	Jacksonville Range Complex	USN	68	
QUICK THRUST F MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	68	
MAPPORT HIGH MOA, FL	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	68	
MAPPORT LOW MOA, FL	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	68	
QUICK THRUST H MOA, GA	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	57	
R2910(C)	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	52	
R2908	FAA, PENSACOLA TRACON	Jacksonville Range Complex	USN	52	
R2907B	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	26	
R2910(B)	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	13	
R2910(A)	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	10372	
W157C	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	8106	
W157A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	5793	
W158A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	2796	
W158B	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	2307	
W157B	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1961	
W159A	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	1038	
W159B	FAA, JACKSONVILLE ARTCC	Jacksonville Range Complex	USN	545	
W159C	FAA, JACKSONVILLE NAS TRACON	Jacksonville Range Complex	USN	172	
W159F	FAA, JACKSONVILLE NAS TRACON	Jacksonville Range Complex	USN	35539	
W188	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	8037	
W189	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	4569	
W193	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	4076	
W194	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	3477	
W192	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	1614	
W190	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	751	
W196	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	292	
W198	FAA, HONOLULU TWR	Hawaiian Islands Range Complex	USN	91	
R3101	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	52	
W187	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	45	
R3107	FAA, HONOLULU CERAP	Hawaiian Islands Range Complex	USN	33	
KINGSVILLE 1 MOA, TX	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	3328	
KINGSVILLE 4 MOA, TX	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	1856	
KINGSVILLE 3 MOA, TX	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	1840	
PENSACOLA SOUTH MOA, FL	FAA, JACKSONVILLE ARTCC	GOMEX Range Complex	USN	1391	
KINGSVILLE 5 MOA, TX	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	1214	
KINGSVILLE 2 MOA, TX	FAA, JACKSONVILLE ARTCC	GOMEX Range Complex	USN	901	
W155C	FAA, JACKSONVILLE ARTCC	GOMEX Range Complex	USN	384	
W228C	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	367	
W228D	FAA, JACKSONVILLE ARTCC	GOMEX Range Complex	USN	2876	
W228E	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	2808	
W155A	FAA, JACKSONVILLE ARTCC	GOMEX Range Complex	USN	2236	
W228F	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	2167	
W228G	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	1269	
W228H	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	888	
R6312	FAA, HOUSTON ARTCC	GOMEX Range Complex	USN	153	
BRADY LOW MOA, TX	FAA, HOUSTON ARTCC	Fort Worth NAS JRB	USN	966	
BRADY HIGH MOA, TX	FAA, HOUSTON ARTCC	Fort Worth NAS JRB	USN	966	
BROWNWOOD 3 MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS JRB	USN	667	
BROWNWOOD 2 WEST MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS JRB	USN	592	
BROWNWOOD 1 EAST MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS JRB	USN	570	
BROWNWOOD 2 EAST MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS JRB	USN	555	
BROWNWOOD 1 WEST MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS JRB	USN	457	
BROWNWOOD 4 MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS JRB	USN	321	
BRADY NORTH MOA, TX	FAA, FORT WORTH ARTCC	Fort Worth NAS JRB	USN	156	
BRADY LOW MOA, TX (DB)	FAA, HOUSTON ARTCC	Fort Worth NAS JRB	USN	80	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex/Institution Name	User	Area (sq mi)	Totals
	W465B	FAA, MIAMI ARTCC	Key West Range Complex	USN	1454	
	W485A	FAA, MIAMI ARTCC	Key West Range Complex	USN	1477	
	W174D	FAA, MIAMI ARTCC	Key West Range Complex	USN	2798	
	W174A	FAA, MIAMI ARTCC	Key West Range Complex	USN	3350	
	W174B(A)	FAA, MIAMI ARTCC	Key West Range Complex	USN	10198	
	R4404A	FAA, MEMPHIS ARTCC	Meridian Complex	USN	4	
	MERIDIAN 1 EAST MOA, MS	FAA, MEMPHIS ARTCC	Meridian Complex	USN	709	
	PINE HILL EAST MOA, MS	FAA, ATLANTA ARTCC	Meridian Complex	USN	1261	
	MERIDIAN 1 WEST MOA, MS	FAA, MEMPHIS ARTCC	Meridian Complex	USN	3932	
	PINE HILL WEST MOA, MS	FAA, ATLANTA ARTCC	Meridian Complex	USN		
	R4404B	FAA, MEMPHIS ARTCC	Meridian Complex	USN		
	R4404C	FAA, MEMPHIS ARTCC	Meridian Complex	USN		
	W106C	FAA, BOSTON ARTCC	Narrangansett Range Complex	USN	227	
	W106D	FACSFAC, VACAPES, OCEANA NAS	Narrangansett Range Complex	USN	269	
	W106A	FAA, BOSTON ARTCC	Narrangansett Range Complex	USN	358	
	W106B	FAA, BOSTON ARTCC	Narrangansett Range Complex	USN	504	
	W105B	FAA, BOSTON ARTCC	Narrangansett Range Complex	USN	1315	
	W105A	FAA, BOSTON ARTCC	Narrangansett Range Complex	USN	10334	
	R6611A	FAA, WASHINGTON, DC ARTCC	NAVSEA Dahlgren	USN	22	
	R6612	FAA, WASHINGTON, DC ARTCC	NAVSEA Dahlgren	USN	6	
	R6613A	FAA, WASHINGTON, DC ARTCC	NAVSEA Dahlgren	USN	18	
	W59A	FAA, HOUSTON ARTCC	New Orleans NAS JRB	USN	2528	
	W59B	FAA, HOUSTON ARTCC	New Orleans NAS JRB	USN	3399	
	R5113	FAA, ALBUQUERQUE ARTCC	Office of Naval Research, Atmospheric Sciences	USN	19	
	R4002	FAA, WASHINGTON, DC ARTCC	Patluxant River Complex	USN	40	
	R4007	FAA, WASHINGTON, DC ARTCC	Patluxant River Complex	USN	162	
	R4005	FAA, WASHINGTON, DC ARTCC	Patluxant River Complex	USN	316	
	R4006	FAA, WASHINGTON, DC ARTCC	Patluxant River Complex	USN	1456	
	R4009	FAA, WASHINGTON, DC ARTCC	Patluxant River Complex	USN		
	R6609	FAA, WASHINGTON, DC ARTCC	Patluxant River Complex	USN	125	
	R2519	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	22	
	R2535A	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	22	
	R2535B	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	63	
	W289	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	108	
	W290	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	108	
	W61	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	787	
	W602	FAA, HOUSTON ARTCC	Pt. Mugu Range Complex	USN	3077	
	W537	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	3077	
	W532	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	9517	
	W60	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	9518	
	W289N	FAA, LOS ANGELES ARTCC	Pt. Mugu Range Complex	USN	11756	
	W513	FAA, OAKLAND ARTCC	San Francisco Range Complex	USN	574	
	W285B	FAA, OAKLAND ARTCC	San Francisco Range Complex	USN	892	
	W285A	FAA, OAKLAND ARTCC	San Francisco Range Complex	USN	2727	
	W280	FAA, OAKLAND ARTCC	San Francisco Range Complex	USN	5671	
	W283	FAA, OAKLAND ARTCC	San Francisco Range Complex	USN	5909	
	W291	FAA, LOS ANGELES ARTCC	SOCAL Range Complex	USN	113057	
	R5314D	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	3	
	R5314E	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	5	
	R5301	FAA, WASHINGTON ARTCC	VACAPES Range Complex	USN	6	
	R5302A	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	11	
	R5302C	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	11	
	R5314F	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	22	
	R5313C	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	22	
	W50A	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	27	
	W50C	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	33	
	R6606	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	33	
	R5314G	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	44	
	R5314A	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	46	
	R5314C	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	53	
	R5314B	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	58	
	R5313D	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	61	
	W50B	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	63	
	R5302B	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	67	
	R5314H	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	77	
	R5313B	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	78	
	STUMPY POINT MOA, NC	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	123	
	R5314J	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	211	
	PAMLICO A MOA, NC	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	226	
	W72A(B)	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	658	
	PAMLICO B MOA, NC	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	854	
	W110	USN, FACSFAC, VACAPES	VACAPES Range Complex	USN	1847	
	W387A	USN, FACSFAC, VACAPES	VACAPES Range Complex	USN	2278	
	W72A(A)	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	3630	
	W388	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	9607	
	W72B	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN	10367	
	R5313A	FAA, WASHINGTON, DC ARTCC	VACAPES Range Complex	USN		
	R6604	FAA, WASHINGTON, DC ARTCC	Wallops Islands	NASA	98	
	R6703B	FAA, SEATTLE-TACOMA APP	Whidbey Island Range Complex	USN	4	
	R6703D	FAA, SEATTLE-TACOMA APP	Whidbey Island Range Complex	USN	5	
	R5701(A)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	11	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range-Complex-Installation Name	User	Area (sq mi)	Totals
	R6703A	FAA, SEATTLE-TACOMA APP	Whidbey Island Range Complex	USN	13	
	R6703C	FAA, SEATTLE-TACOMA APP	Whidbey Island Range Complex	USN	20	
	R6701	USN, WHIDBEY ISLAND NAS APP	Whidbey Island Range Complex	USN	21	
	R5701(C)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	21	
	CHINOOK A MOA, WA	USN, WHIDBEY IS NAS APP	Whidbey Island Range Complex	USN	23	
	OKANOGAN C MOA, WA (XA)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	27	
	R5701(B)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	31	
	CHINOOK B MOA, WA	USN, WHIDBEY IS NAS APP	Whidbey Island Range Complex	USN	33	
	OKANOGAN B MOA, WA (XA)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	53	
	R5701(D)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	84	
	ROBERTS MOA, CA	FAA, OAKLAND ARTCC	Whidbey Island Range Complex	USN	87	
	W93	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	4652	
	R5706	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	106	
	BOARDMAN MOA, OR	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	356	
	OLYMPIC B MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	696	
	OKANOGAN C MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	711	
	OLYMPIC A MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	918	
	OKANOGAN B MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	956	
	W237(BLO)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	1514	
	W237C	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	1540	
	W237D	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	1623	
	W237E	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	1809	
	W237A(LO)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	2030	
	ROOSEVELT B MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	2182	
	W237G	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	2318	
	OKANOGAN A MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	2592	
	ROOSEVELT A MOA, WA	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	3137	
	W237F	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	3887	
	W237J	FAA, OAKLAND ARTCC	Whidbey Island Range Complex	USN	4287	
	W570	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN	4470	
	W237H	FAA, OAKLAND ARTCC	Whidbey Island Range Complex	USN	5867	
	R5701(E)	FAA, SEATTLE ARTCC	Whidbey Island Range Complex	USN		
	HUNTER LOW E MOA, CA	FAA, OAKLAND ARTCC		USN	69	
	HUNTER LOW C MOA, CA	FAA, OAKLAND ARTCC		USN	82	
	HUNTER LOW B MOA, CA	FAA, OAKLAND ARTCC		USN	147	
	HUNTER LOW D MOA, CA	FAA, OAKLAND ARTCC		USN	207	
	HUNTER LOW A MOA, CA	FAA, OAKLAND ARTCC		USN	491	
	FOOTHILL 1 MOA, CA	FAA, OAKLAND ARTCC		USN	825	
	FOOTHILL 2 MOA, CA	FAA, OAKLAND ARTCC		USN	867	
	HUNTER HIGH MOA, CA	FAA, OAKLAND ARTCC		USN	996	
	R2515	FAA, HI-DESERT TRACON, EDWARDS AFB		USN	1367	
	SAN ONOFRE LOW MOA, CA	FAA, SOCIAL TRACON	Camp Pendleton Range Complex	USMC	41	
	R2503A	FAA, LOS ANGELES ARTCC	Camp Pendleton Range Complex	USMC	72	
	R2503C	FAA, LOS ANGELES ARTCC	Camp Pendleton Range Complex	USMC	85	
	SAN ONOFRE HIGH MOA, CA	FAA, SOCIAL TRACON	Camp Pendleton Range Complex	USMC	87	
	R2503B	FAA, LOS ANGELES ARTCC	Camp Pendleton Range Complex	USMC	108	
	R5306C	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC	4	
	R5306D	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC	4	
	R5306E	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC	4	
	R5304A	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC	24	
	R5304B	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC	24	
	R5304C	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC	24	
	R5304D	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC	24	
	R5303A	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC	25	
	R5303B	USMC, CHERRY POINT APP	Cherry Point/Camp Lejeune Range Complex	USMC	25	
	R5303C	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC	25	
	HATTERAS F MOA, NC	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC	102	
	W122(B)	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC	230	
	W122(A)	FAA, WASHINGTON, DC ARTCC	Cherry Point/Camp Lejeune Range Complex	USMC	18748	
	W74(B)	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC	9	
	BEAUFORT 2 MOA, SC (XA)	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC	12	
	BEAUFORT 1 MOA, SC (XA)	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC	65	
	W74(A)	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC	173	
	BEAUFORT 1 MOA, SC	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC	255	
	BEAUFORT 3 MOA, SC	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC	276	
	BEAUFORT 2 MOA, SC	FAA, JACKSONVILLE ARTCC	MCAS Beaufort/Townsend Range Complex	USMC	417	
	R6808A	FAA, DULLES INTL TWR	Quantico Range Complex	USMC	11	
	R6808C	FAA, DULLES INTL TWR	Quantico Range Complex	USMC	17	
	R6808B	FAA, DULLES INTL TWR	Quantico Range Complex	USMC	27	
	DEMO 2 MOA, VA	FAA, WASHINGTON, DC ARTCC	Quantico Range Complex	USMC	55	
	DEMO 1 MOA, VA	FAA, WASHINGTON, DC ARTCC	Quantico Range Complex	USMC	84	
	DEMO 3 MOA, VA	FAA, WASHINGTON, DC ARTCC	Quantico Range Complex	USMC	84	
	SUNDANCE MOA, CA (XA)	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC	4	
	SUNDANCE MOA, CA	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC	46	
	R2501W	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC	76	
	R2501S	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC	197	
	R2501N	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC	237	
	R2501E	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC	304	
	BRISTOL MOA, CA	FAA, LOS ANGELES ARTCC	Twentynine Palms Range Complex	USMC	403	
	R2507N	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	214	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex/Institution Name	User	Area (nm ²)	Totals
	R2507S	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	242	
	TURTLE MOA, AZ	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	1715	
	KANE WEST MOA, CA	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	72	
	ABEL BRAVO MOA, CA	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	89	
	DOMO MOA, AZ	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	204	
	ABEL SOUTH MOA, CA	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	257	
	ABEL EAST MOA, CA	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	309	
	KANE SOUTH MOA, CA	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	611	
	ABEL NORTH MOA, CA	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	668	
	QUAIL MOA, AZ	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	1056	
	R2301W	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	1184	
	KANE EAST MOA, CA	FAA, LOS ANGELES ARTCC	Yuma Range Complex	USMC	4637	
AIR FORCE						
	R2901F	FAA, MIAMI ARTCC	Avon Park	USAF	15	
	R2901C	FAA, MIAMI ARTCC	Avon Park	USAF	25	
	R2901G	FAA, MIAMI ARTCC	Avon Park	USAF	27	
	R2901D	FAA, MIAMI ARTCC	Avon Park	USAF	28	
	R2901I	FAA, MIAMI ARTCC	Avon Park	USAF	31	
	R2901H	FAA, MIAMI ARTCC	Avon Park	USAF	32	
	R2901E	FAA, MIAMI ARTCC	Avon Park	USAF	91	
	R2901B	FAA, MIAMI ARTCC	Avon Park	USAF	145	
	R2901A	FAA, MIAMI ARTCC	Avon Park	USAF	168	
	JENA 1 MOA, LA (XD)	FAA, HOUSTON ARTCC	Barksdale AFB	USAF	1	
	JENA 1 MOA, LA (XC)	FAA, HOUSTON ARTCC	Barksdale AFB	USAF	8	
	R3801A(B)	FAA, HOUSTON ARTCC	Barksdale AFB	USAF	24	
	JENA 1 MOA, LA (XB)	FAA, HOUSTON ARTCC	Barksdale AFB	USAF	26	
	R3801A(A)	FAA, HOUSTON ARTCC	Barksdale AFB	USAF	57	
	R3801B	FAA, HOUSTON ARTCC	Barksdale AFB	USAF	101	
	R3801C	FAA, HOUSTON ARTCC	Barksdale AFB	USAF	101	
	ANNE LOW MOA, AR (XA)	FAA, FORT WORTH ARTCC	Barksdale AFB	USAF	114	
	JONES MOA, LA	FAA, FORT WORTH ARTCC	Barksdale AFB	USAF	359	
	LADY MOA, LA	FAA, FORT WORTH ARTCC	Barksdale AFB	USAF	366	
	ANNE HIGH MOA, AR	FAA, FORT WORTH ARTCC	Barksdale AFB	USAF	683	
	ANNE LOW MOA, AR	FAA, FORT WORTH ARTCC	Barksdale AFB	USAF	683	
	JENA 1 MOA, LA (XA)	FAA, HOUSTON ARTCC	Barksdale AFB	USAF	1041	
	JENA 1 MOA, LA	FAA, HOUSTON ARTCC	Barksdale AFB	USAF		
	R4105A	FAA, CAPE APP	Barnes ANGB	USAF		
	R4105B	FAA, CAPE APP	Barnes ANGB	USAF		
	FUZZY MOA, AZ	FAA, ALBUQUERQUE ARTCC	Barry M. Goldwater Range	USAF	449	
	WHITMORE 1 MOA, CA	FAA, OAKLAND ARTCC	Beale AFB	USAF	583	
	WHITMORE 3 MOA, CA	FAA, OAKLAND ARTCC	Beale AFB	USAF	616	
	WHITMORE 2 MOA, CA	FAA, OAKLAND ARTCC	Beale AFB	USAF	616	
	MAXWELL 1 MOA, CA	FAA, OAKLAND ARTCC	Beale AFB	USAF	875	
	MAXWELL 2 MOA, CA	FAA, OAKLAND ARTCC	Beale AFB	USAF	924	
	MAXWELL 3 MOA, CA	FAA, OAKLAND ARTCC	Beale AFB	USAF	924	
	CHINA MOA, CA	FAA, OAKLAND ARTCC	Beale AFB	USAF	624	
	AIRBURST C MOA, CO	FAA, DENVER ARTCC	Buckley ANGB	USAF	11	
	AIRBURST B MOA, CO	FAA, DENVER ARTCC	Buckley ANGB	USAF	14	
	AIRBURST A MOA, CO	FAA, DENVER ARTCC	Buckley ANGB	USAF	167	
	LA VETA LOW MOA, CO	FAA, DENVER ARTCC	Buckley ANGB	USAF	203	
	LA VETA HIGH MOA, CO	FAA, DENVER ARTCC	Buckley ANGB	USAF	1284	
	TWO BUTTES HIGH MOA, CO	FAA, DENVER ARTCC	Buckley ANGB	USAF	1432	
	TWO BUTTES LOW MOA, CO	FAA, DENVER ARTCC	Buckley ANGB	USAF	1432	
	CHEYENNE LOW MOA, CO	FAA, DENVER ARTCC	Buckley ANGB	USAF	1697	
	RS401	FAA, MINNEAPOLIS ARTCC	Camp Grafton	USAF	3	
	R8412A	FAA, SALT LAKE CITY TRACON	Camp Williams	USAF	31	
	R8412B	FAA, SALT LAKE CITY TRACON	Camp Williams	USAF	31	
	RS105	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	139	
	RS104A	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	208	
	TAIBAN MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	235	
	BRONCO 2 MOA, TX	FAA, FORT WORTH ARTCC	Cannon AFB	USAF	608	
	PECOS SOUTH LOW MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	951	
	PECOS NORTH LOW MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	1038	
	BRONCO 1 MOA, TX	FAA, FORT WORTH ARTCC	Cannon AFB	USAF	1040	
	MT DORA EAST HIGH MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	1162	
	MT DORA EAST LOW MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	1162	
	PECOS NORTH HIGH MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	1239	
	MT DORA NORTH HIGH MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	1259	
	MT DORA NORTH LOW MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	1259	
	PECOS SOUTH HIGH MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	1330	
	MT DORA WEST HIGH MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	1606	
	MT DORA WEST LOW MOA, NM	FAA, ALBUQUERQUE ARTCC	Cannon AFB	USAF	1606	
	BRONCO 3 MOA, TX	FAA, FORT WORTH ARTCC	Cannon AFB	USAF	1738	
	BRONCO 4 MOA, TX	FAA, FORT WORTH ARTCC	Cannon AFB	USAF	1782	
	R2832	FAA, MIAMI ARTCC	Cape Canaveral Range Complex	USAF	99	
	R2933	FAA, MIAMI ARTCC	Cape Canaveral Range Complex	USAF	99	
	R2934	FAA, MIAMI ARTCC	Cape Canaveral Range Complex	USAF	169	
	R2935	FAA, MIAMI ARTCC	Cape Canaveral Range Complex	USAF	405	
	COLUMBUS 2 MOA, MS	FAA, MEMPHIS ARTCC	Columbus AFB	USAF	643	
	COLUMBUS 4 MOA, MS	FAA, MEMPHIS ARTCC	Columbus AFB	USAF	1375	
	COLUMBUS 3 MOA, MS	FAA, MEMPHIS ARTCC	Columbus AFB	USAF	2659	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex Installation Name	User	Area (sq mi)	Totals
	COLUMBUS 1 MOA, MS	FAA, MEMPHIS ARTCC	Columbus AFB	USAF	2706	
	TOMBSTONE A MOA, AZ	FAA, ALBUQUERQUE ARTCC	David-Monthan AFB	USAF	520	
	TOMBSTONE B MOA, AZ	FAA, ALBUQUERQUE ARTCC	David-Monthan AFB	USAF	1320	
	TOMBSTONE C MOA, AZ	FAA, ALBUQUERQUE ARTCC	David-Monthan AFB	USAF	3014	
	ISABELLA MOA, CA (XE)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	21	
	ISABELLA MOA, CA (XG)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	41	
	BUCKHORN MOA, CA	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	58	
	BISHOP MOA, CA	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	128	
	BARSTOW MOA, CA	FAA, HI-DESERT TRACON, EDWARDS, CA	Edwards AFB	USAF	162	
	BAKERSFIELD MOA, CA	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	300	
	PORTERVILLE MOA, CA	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	485	
	SALINE MOA, CA (XA)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	891	
	SHOSHONE MOA, CA (XB)	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	899	
	PANAMINT MOA, CA (XA)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	1117	
	PANAMINT MOA, CA (XB)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	1117	
	SHOSHONE MOA, CA (XA)	FAA, LOS ANGELES ARTCC	Edwards AFB	USAF	1167	
	POWDER RIVER B MOA, WY	FAA, DENVER ARTCC	Edwards AFB	USAF	1381	
	SALINE MOA, CA	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	1689	
	OWENS MOA, CA	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	2013	
	PANAMINT MOA, CA	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	2051	
	ISABELLA MOA, CA (XA)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF	2679	
	POWDER RIVER B MOA, WY (XA)	FAA, DENVER ARTCC	Edwards AFB	USAF	26	
	POWDER RIVER B MOA, WY (XB)	FAA, DENVER ARTCC	Edwards AFB	USAF	709	
	POWDER RIVER B MOA, WY (XC)	FAA, DENVER ARTCC	Edwards AFB	USAF		
	POWDER RIVER B MOA, WY (XD)	FAA, DENVER ARTCC	Edwards AFB	USAF		
	ISABELLA MOA, CA	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	ISABELLA MOA, CA (XB)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	ISABELLA MOA, CA (XC)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	ISABELLA MOA, CA (XD)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	ISABELLA MOA, CA (XF)	FAA, HI-DESERT TRACON, EDWARDS AFB	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT (XA)	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT (XB)	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT (XC)	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	POWDER RIVER A MOA, MT (XD)	FAA, SALT LAKE CITY ARTCC	Edwards AFB	USAF		
	EGLIN F MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	5	
	R2918	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	16	
	R2915C	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	34	
	R2915B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	46	
	R2919A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	48	
	R2914B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	71	
	R2919B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	84	
	EGLIN A WEST MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	90	
	EGLIN A EAST MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	98	
	EGLIN D MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	133	
	EGLIN C MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	144	
	R2915A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	202	
	EGLIN B MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	222	
	R2914A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	387	
	ROSE HILL MOA, AL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	650	
	EGLIN E MOA, FL	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	1144	
	W470C	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	1147	
	W151C	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	1729	
	W470A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2015	
	W151D	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2114	
	W470B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2131	
	W151B	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2521	
	W151A	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF	2527	
	R2917	USAF, EGLIN AFB APP	Eglin AFB	USAF		
	W151E	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF		
	W151F	FAA, JACKSONVILLE ARTCC	Eglin AFB	USAF		
	BUFFALO MOA, AK (XC)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	4	
	BUFFALO MOA, AK (XD)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	10	
	YUKON 2 MOA, AK (XE)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	16	
	EIELSON MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	21	
	YUKON 1 MOA, AK (XC)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	25	
	VIPER A MOA, AK	FAA, FAIRBANKS TWR	Eielson AFB	USAF	27	
	VIPER A MOA, AK (XB)	FAA, FAIRBANKS TWR	Eielson AFB	USAF	27	
	YUKON 3A LOW MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	35	
	VIPER A MOA, AK (XA)	FAA, FAIRBANKS TWR	Eielson AFB	USAF	53	
	BIRCH MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	58	
	BUFFALO MOA, AK (XB)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	59	
	YUKON 2 MOA, AK (XCA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	65	
	VIPER B MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	80	
	FOX 2 MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	93	
	YUKON 1 MOA, AK (XB)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	101	
	YUKON 1 MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	122	
	R2211	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	133	
	BUFFALO MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	171	
	YUKON 2 MOA, AK (XD)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	187	
	BIRCH MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	421	
	YUKON 4 MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	491	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex/Installation Name	User	Area (sq mi)	Totals
	YUKON 2 MOA, AK (XA)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	665	
	EIELSON MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	715	
	FOX 1 MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	1134	
	YUKON 3B MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	1494	
	BUFFALO MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	1635	
	YUKON 3 HIGH MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	2269	
	YUKON 3A LOW MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	2269	
	YUKON 5 MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	2676	
	YUKON 4 MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	3331	
	FOX 3 MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	3678	
	YUKON 1 MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	3737	
	YUKON 2 MOA, AK	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF	4896	
	YUKON 2 MOA, AK (XB)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF		
	YUKON 2 MOA, AK (XCB)	FAA, ANCHORAGE ARTCC	Eielson AFB	USAF		
	W147C	FAA, HOUSTON ARTCC	Elington Field	USAF	888	
	W147A	FAA, HOUSTON ARTCC	Elington Field	USAF	4490	
	W147D	FAA, HOUSTON ARTCC	Elington Field	USAF	5489	
	STONY B MOA, AK	FAA, ANCHORAGE ARTCC	Elmendorf AFB	USAF	2362	
	SUSITNA MOA, AK	FAA, ANCHORAGE ARTCC	Elmendorf AFB	USAF	2457	
	W612	FAA, ANCHORAGE ARTCC	Elmendorf AFB	USAF	2540	
	NAKNEK 2 MOA, AK	FAA, ANCHORAGE ARTCC	Elmendorf AFB	USAF	2741	
	NAKNEK 1 MOA, AK	FAA, ANCHORAGE ARTCC	Elmendorf AFB	USAF	3858	
	GALENA MOA, AK	FAA, ANCHORAGE ARTCC	Elmendorf AFB	USAF	3870	
	STONY A MOA, AK	FAA, ANCHORAGE ARTCC	Elmendorf AFB	USAF	4017	
	CHURCHILL HIGH MOA, NV	FAA, OAKLAND ARTCC	Fallon Range Complex	USAF	70	
	CHURCHILL LOW MOA, NV	FAA, OAKLAND ARTCC	Fallon Range Complex	USAF	70	
	R3007E	FAA, JACKSONVILLE ARTCC	Georgia ANG Training Site	USAF (ANG)	5	
	R3007A(A)	FAA, JACKSONVILLE ARTCC	Georgia ANG Training Site	USAF (ANG)	7	
	R3007D	FAA, JACKSONVILLE ARTCC	Georgia ANG Training Site	USAF (ANG)	32	
	R3007B	FAA, JACKSONVILLE ARTCC	Georgia ANG Training Site	USAF (ANG)	57	
	R3007A	FAA, JACKSONVILLE ARTCC	Georgia ANG Training Site	USAF (ANG)	66	
	R3007C	FAA, JACKSONVILLE ARTCC	Georgia ANG Training Site	USAF (ANG)	93	
	R8402B	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	35	
	R8408B	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	47	
	LUCIN C MOA, UT	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	119	
	R8404C	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	167	
	R8404B	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	201	
	R8404D	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	201	
	R8407	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	850	
	R8406A	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	848	
	R8402A	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	985	
	LUCIN B MOA, UT	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	989	
	SEVIER A MOA, UT	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	1008	
	SEVIER C MOA, NV	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	1008	
	R8404A	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	1117	
	LUCIN A MOA, UT	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	1527	
	R8405	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	1940	
	SEVIER B MOA, UT	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	2195	
	SEVIER D MOA, UT	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF	2195	
	GANDY MOA, UT	FAA, SALT LAKE CITY ARTCC	Hill AFB	USAF		
	BEAK B MOA, NM	FAA, ALBUQUERQUE ARTCC	Holloman AFB	USAF	608	
	BEAK C MOA, NM	FAA, ALBUQUERQUE ARTCC	Holloman AFB	USAF	637	
	BEAK A MOA, NM	FAA, ALBUQUERQUE ARTCC	Holloman AFB	USAF	599	
	VALENTINE MOA, TX	FAA, ALBUQUERQUE ARTCC	Holloman AFB	USAF	2449	
	TALON EAST HIGH MOA, NM	FAA, ALBUQUERQUE ARTCC	Holloman AFB	USAF		
	TALON LOW MOA, NM	FAA, ALBUQUERQUE ARTCC	Holloman AFB	USAF		
	TALON WEST HIGH MOA, NM	FAA, ALBUQUERQUE ARTCC	Holloman AFB	USAF		
	CATO MOA, NM	FAA, ALBUQUERQUE ARTCC	Kirtland AFB	USAF	2656	
	FARMVILLE MOA, VA (XA)	FAA, WASHINGTON, DC ARTCC	Langley AFB	USAF	10	
	FARMVILLE MOA, VA (XB)	FAA, WASHINGTON, DC ARTCC	Langley AFB	USAF	10	
	EVERS MOA, WV	FAA, WASHINGTON, DC ARTCC	Langley AFB	USAF	478	
	FARMVILLE MOA, VA	FAA, WASHINGTON, DC ARTCC	Langley AFB	USAF	1185	
	CRYSTAL MOA, TX	FAA, HOUSTON ARTCC	Laughlin AFB	USAF	1379	
	LAUGHLIN 2 MOA, TX	FAA, HOUSTON ARTCC	Laughlin AFB	USAF	2637	
	CRYSTAL NORTH MOA, TX	FAA, HOUSTON ARTCC	Laughlin AFB	USAF	1379	
	LAUGHLIN 3 HIGH MOA, TX	FAA, HOUSTON ARTCC	Laughlin AFB	USAF		
	LAUGHLIN 3 LOW MOA, TX	FAA, HOUSTON ARTCC	Laughlin AFB	USAF		
	LAUGHLIN 1 MOA, TX	FAA, HOUSTON ARTCC	Laughlin AFB	USAF	4830	
	R2305	FAA, ALBUQUERQUE ARTCC	Luke AFB	USAF	187	
	R2304	FAA, ALBUQUERQUE ARTCC	Luke AFB	USAF	345	
	BAGDAD 1 MOA, AZ	FAA, ALBUQUERQUE ARTCC	Luke AFB	USAF	1065	
	R2301E	FAA, ALBUQUERQUE ARTCC	Luke AFB	USAF	1551	
	GLADDEN 1 MOA, AZ	FAA, ALBUQUERQUE ARTCC	Luke AFB	USAF	1870	
	SUNNY MOA, AZ	FAA, ALBUQUERQUE ARTCC	Luke AFB	USAF	2328	
	BELLS LOW MOA, AZ	FAA, ALBUQUERQUE ARTCC	Luke AFB	USAF	3131	
	BELLS 1 MOA, AZ	FAA, ALBUQUERQUE ARTCC	Luke AFB	USAF	3662	
	AVON EAST MOA, FL	FAA, MIAMI ARTCC	MacDill AFB	USAF	38	
	BASINGER MOA, FL	FAA, MIAMI ARTCC	MacDill AFB	USAF	42	
	AVON NORTH MOA, FL	FAA, MIAMI ARTCC	MacDill AFB	USAF	94	
	AVON SOUTH MOA, FL	FAA, MIAMI ARTCC	MacDill AFB	USAF	116	
	MARIAN MOA, FL	FAA, MIAMI ARTCC	MacDill AFB	USAF	204	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex Installation Name	User	Area (mm ²)	Totals
	LAKE PLACID MOA, FL	FAA, MIAMI ARTCC	MacDill AFB	USAF	1087	
	W168	FAA, MIAMI ARTCC	MacDill AFB	USAF	7465	
	TIGER NORTH MOA, ND (XA)	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	112	
	TIGER SOUTH MOA, ND	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	1721	
	DEVILS LAKE WEST MOA, ND	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	1733	
	DEVILS LAKE EAST MOA, ND	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	1767	
	TIGER NORTH MOA, ND	FAA, MINNEAPOLIS ARTCC	McChord AFB	USAF	2098	
	R5115	FAA, ALBUQUERQUE ARTCC	McChord AFB	USAF		
	R8318	FAA, ALBUQUERQUE ARTCC	McChord AFB	USAF		
	R8316	FAA, HOUSTON ARTCC	McChord AFB	USAF		
	R6317	FAA, HOUSTON ARTCC	McChord AFB	USAF		
	R2312	LIBBY AAF TWR	McChord AFB	USAF		
	EUREKA HIGH MOA, KS	FAA, KANSAS CITY ARTCC	McConnell AFB	USAF	1645	
	EUREKA LOW MOA, KS	FAA, KANSAS CITY ARTCC	McConnell AFB	USAF	1645	
	POWERS MOA, ND	FAA, MINNEAPOLIS ARTCC	Minot AFB	USAF	586	
	R3008A	USAF, VALDOSTA APP	Moody AFB	USAF	6	
	R3008B	USAF, VALDOSTA APP	Moody AFB	USAF	20	
	R3008C	USAF, VALDOSTA APP	Moody AFB	USAF	67	
	R3008D	USAF, VALDOSTA APP	Moody AFB	USAF	93	
	MOODY 2 NORTH MOA, GA	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	318	
	MOODY 2 SOUTH MOA, GA	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	405	
	LIVE OAK MOA, FL	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	1208	
	MOODY 3 MOA, GA	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	1257	
	MOODY 1 MOA, GA	FAA, JACKSONVILLE ARTCC	Moody AFB	USAF	4711	
	R3202(LD)	FAA, SALT LAKE CITY ARTCC	Mountain Home AFB	USAF		
	R3204A	FAA, SALT LAKE CITY ARTCC	Mountain Home AFB	USAF		
	R3204B	FAA, SALT LAKE CITY ARTCC	Mountain Home AFB	USAF		
	OWYHEE MOA, ID	FAA, SALT LAKE CITY ARTCC	Mt. Home AFB	USAF	1758	
	JARBIDGE MOA, ID	FAA, SALT LAKE CITY ARTCC	Mt. Home AFB	USAF		
	JARBIDGE MOA, ID (XA)	FAA, SALT LAKE CITY ARTCC	Mt. Home AFB	USAF		
	JARBIDGE MOA, ID (XB)	FAA, SALT LAKE CITY ARTCC	Mt. Home AFB	USAF		
	JARBIDGE MOA, ID (XC)	FAA, SALT LAKE CITY ARTCC	Mt. Home AFB	USAF		
	PARADISE EAST MOA, NV	FAA, SALT LAKE CITY ARTCC	Mt. Home AFB	USAF		
	PARADISE WEST MOA, OR	FAA, SALT LAKE CITY ARTCC	Mt. Home AFB	USAF		
	R4807B	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	100	
	R4808E	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	290	
	SILVER MOA, CA	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	507	
	R4808W	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	1177	
	R4807A	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	1896	
	DESERT MOA, NV	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF	5538	
	DESERT MOA, NV (XA)	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF		
	DESERT MOA, NV (XB)	FAA, LOS ANGELES ARTCC	Nellis AFB	USAF		
	REVEILLE NORTH MOA, NV	FAA, SALT LAKE CITY ARTCC	Nellis AFB	USAF		
	REVEILLE SOUTH MOA, NV	FAA, SALT LAKE CITY ARTCC	Nellis AFB	USAF		
	R4305	FAA, MINNEAPOLIS ARTCC	Offutt AFB	USAF	1237	
	R4207	FAA, MINNEAPOLIS ARTCC	Phelps-Collins ANGB	USAF	1006	
	GAMECOCK A MOA, NC	FAA, WASHINGTON, DC ARTCC	Pope AFB	USAF	554	
	RANDOLPH 2B MOA, TX	FAA, HOUSTON ARTCC	Randolph AFB	USAF	317	
	RANDOLPH 1B MOA, TX	FAA, SAN ANTONIO TRACON	Randolph AFB	USAF	755	
	TEXON MOA, TX	FAA, HOUSTON ARTCC	Randolph AFB	USAF	1155	
	RANDOLPH 1A MOA, TX	FAA, HOUSTON ARTCC	Randolph AFB	USAF	1378	
	RANDOLPH 2A MOA, TX	FAA, HOUSTON ARTCC	Randolph AFB	USAF	1445	
	SEYMOUR JOHNSON ECHO MOA, NC	FAA, WASHINGTON, DC ARTCC	Seymour-Johnson AFB	USAF	1034	
	PHELPS A MOA, NC	FAA, WASHINGTON, DC ARTCC	Seymour-Johnson AFB	USAF		
	PHELPS B MOA, NC	FAA, WASHINGTON, DC ARTCC	Seymour-Johnson AFB	USAF		
	PHELPS C MOA, NC	FAA, WASHINGTON, DC ARTCC	Seymour-Johnson AFB	USAF		
	BULLDOG A MOA, GA (XA)	FAA, ATLANTA ARTCC	Shaw AFB	USAF	20	
	BULLDOG D MOA, GA (XA)	FAA, ATLANTA ARTCC	Shaw AFB	USAF	30	
	BULLDOG A MOA, GA (XB)	FAA, ATLANTA ARTCC	Shaw AFB	USAF	33	
	R6002A	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	54	
	R6002B	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	54	
	BULLDOG D MOA, GA	FAA, ATLANTA ARTCC	Shaw AFB	USAF	79	
	W177A(B)	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	210	
	GAMECOCK B MOA, SC	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	248	
	GAMECOCK I MOA, SC	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	405	
	W181B	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	561	
	W177B	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	757	
	GAMECOCK D MOA, SC	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	839	
	BULLDOG A MOA, GA	FAA, ATLANTA ARTCC	Shaw AFB	USAF	1052	
	W181A	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	1284	
	W177A(A)	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF	1664	
	BULLDOG B MOA, GA	FAA, ATLANTA ARTCC	Shaw AFB	USAF	1677	
	GAMECOCK C MOA, SC	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF		
	GAMECOCK C MOA, SC (XA)	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF		
	GAMECOCK C MOA, SC (XB)	FAA, JACKSONVILLE ARTCC	Shaw AFB	USAF		
	POINSETT MOA, SC	USAF, SHAW APP CON	Shaw AFB	USAF		
	POINSETT MOA, SC (XA)	USAF, SHAW APP CON	Shaw AFB	USAF		
	POINSETT MOA, SC (XB)	USAF, SHAW APP CON	Shaw AFB	USAF		
	WASHITA MOA, OK	FAA, FORT WORTH ARTCC	Sheppard AFB	USAF	966	
	SHEPPARD 1 MOA, TX	FAA, FORT WORTH ARTCC	Sheppard AFB	USAF	1033	
	HOLLIS MOA, OK	FAA, FORT WORTH ARTCC	Sheppard AFB	USAF	1204	

Special Use Airspace

Military Service	SUA Name	Controlling Agency	Range Complex/Installation Name	User	Area (sq mi)	Total
	SHEPPARD 2 MOA, TX	FAA, FORT WORTH ARTCC	Sheppard AFB	USAF	1263	
	WESTOVER 1 MOA, TX	FAA, FORT WORTH ARTCC	Sheppard AFB	USAF	1985	
	WESTOVER 2 MOA, TX	FAA, FORT WORTH ARTCC	Sheppard AFB	USAF	2178	
	R2805A	TYNDALL AFB RADAR APP	Tyndall AFB	USAF	15	
	R2905B	TYNDALL AFB RADAR APP	Tyndall AFB	USAF	25	
	TYNDALL F MOA, FL (XA)	USAF, TYNDALL RADAR APP CON	Tyndall AFB	USAF	224	
	TYNDALL F MOA, FL	USAF, TYNDALL RADAR APP CON	Tyndall AFB	USAF	297	
	TYNDALL D MOA, FL	USAF, TYNDALL RADAR APP CON	Tyndall AFB	USAF	310	
	TYNDALL B MOA, FL	USAF, TYNDALL RADAR APP CON	Tyndall AFB	USAF	347	
	TYNDALL C MOA, FL	USAF, TYNDALL RADAR APP CON	Tyndall AFB	USAF	559	
	TYNDALL G MOA, FL	USAF, TYNDALL RADAR APP CON	Tyndall AFB	USAF	559	
	TYNDALL E MOA, FL	USAF, TYNDALL RADAR APP CON	Tyndall AFB	USAF	893	
	TYNDALL H MOA, FL	USAF, TYNDALL RADAR APP CON	Tyndall AFB	USAF	2557	
	R3807	FAA, HOUSTON ARTCC	Tyndall AFB	USAF		
	R2938	FAA, JACKSONVILLE ARTCC	Tyndall AFB	USAF		
	R2816	FAA, MIAMI ARTCC	Tyndall AFB	USAF		
	ADA WEST MOA, KS	FAA, KANSAS CITY ARTCC	Vance AFB	USAF	1063	
	ADA EAST MOA, KS	FAA, KANSAS CITY ARTCC	Vance AFB	USAF	1121	
	VANCE 1B MOA, OK	FAA, KANSAS CITY ARTCC	Vance AFB	USAF	2234	
	VANCE 1A MOA, OK	FAA, KANSAS CITY ARTCC	Vance AFB	USAF	8167	
	R2534A	FAA, LOS ANGELES ARTCC	Vandenberg AFB	USAF	52	
	R2534B	FAA, LOS ANGELES ARTCC	Vandenberg AFB	USAF	53	
	R2517	FAA, LOS ANGELES ARTCC	Vandenberg AFB	USAF	94	
	R2518	FAA, LOS ANGELES ARTCC	Vandenberg AFB	USAF	134	
	VOLK SOUTH MOA, WI (XB)	FAA, CHICAGO ARTCC	Volk Field ANGB	USAF	6	
	VOLK SOUTH MOA, WI (XC)	FAA, CHICAGO ARTCC	Volk Field ANGB	USAF	10	
	R8904B	FAA, MINNEAPOLIS ARTCC	Volk Field ANGB	USAF	11	
	R8904A	FAA, MINNEAPOLIS ARTCC	Volk Field ANGB	USAF	69	
	VOLK SOUTH MOA, WI (XA)	FAA, CHICAGO ARTCC	Volk Field ANGB	USAF	496	
	VOLK WEST MOA, WI	FAA, MINNEAPOLIS ARTCC	Volk Field ANGB	USAF	512	
	FALLS 2 MOA, WI	FAA, MINNEAPOLIS ARTCC	Volk Field ANGB	USAF	524	
	FALLS 1 MOA, WI	FAA, MINNEAPOLIS ARTCC	Volk Field ANGB	USAF	829	
	R8903	FAA, CHICAGO ARTCC	Volk Field ANGB	USAF	941	
	VOLK EAST MOA, WI	FAA, CHICAGO ARTCC	Volk Field ANGB	USAF	1859	
	MINNOW MOA, WI	FAA, CHICAGO ARTCC	Volk Field ANGB	USAF	1737	
	R8413	FAA, DENVER ARTCC	White Sands Missile Range	USAF		
	TRUMAN C MOA, MO	FAA, KANSAS CITY ARTCC	Whiteman AFB	USAF	608	
	TRUMAN B MOA, MO	FAA, KANSAS CITY ARTCC	Whiteman AFB	USAF	730	
	TRUMAN A MOA, MO	FAA, KANSAS CITY ARTCC	Whiteman AFB	USAF	1106	
	R2309	FAA, LOS ANGELES ARTCC	Yuma Proving Ground	USAF	62	
	R6501A	FAA, BURLINGTON APP		USAF	8	
	R6501B	FAA, BURLINGTON APP		USAF	8	
	R2206	FAA, ANCHORAGE ARTCC		USAF	10	
	R2502E	FAA, HI-DESERT TRACON, EDWARDS AFB		USAF	180	
	R4808S	FAA, LOS ANGELES ARTCC		USDOE	24	
	R4809	FAA, LOS ANGELES ARTCC		USDOE	392	
	R4808N	FAA, LOS ANGELES ARTCC		USDOE	1279	
	R2531	FAA, OAKLAND ARTCC		USDOE	4	
	R4403	FAA, HOUSTON ARTCC		NASA	4	
	R2903C	FAA, JACKSONVILLE TRACON	Dept. of Military Affairs (FL)	NASA	11	
	R5502A	FAA, CLEVELAND ARTCC		NASA	20	
	R5101	FAA, ALBUQUERQUE ARTCC	Energy, Research, and Development Agency	NASA	22	
	R2903D	FAA, JACKSONVILLE TRACON	Dept. of Military Affairs (FL)	NASA	23	
	R2904A	FAA, JACKSONVILLE TRACON	Dept. of Military Affairs (FL)	NASA	28	
	R5502B	FAA, CLEVELAND ARTCC		NASA	48	
	R2903A	FAA, JACKSONVILLE ARTCC	Dept. of Military Affairs (FL)	NASA	66	
	R4401A	FAA, HOUSTON ARTCC		NASA	87	
	R4401B	FAA, HOUSTON ARTCC		NASA	87	
	W497A	FAA, MIAMI ARTCC	Dept. of Military Affairs (FL)	NASA	2424	
	W497B	FAA, MIAMI ARTCC	Dept. of Military Affairs (FL)	NASA	21753	
	W470F	FAA, JACKSONVILLE ARTCC	Dept. of Military Affairs (FL)	NASA		
	R2936	FAA, PALM BEACH ATCT		NASA		
	W506	FAA, NEW YORK ARTCC	Dept. of Military Affairs (FL)	NASA		

*Users from various units, installations, and Services share special use airspace (SUA). For this reason, a simple one-to-one linking of airspace to installations does not show the full picture of airspace usage. As a general rule, the inventory links units of SUA to the installation responsible for scheduling their use. A full discussion of the management of SUA is beyond the scope of this report. Readers should therefore interpret the SUA information in the inventory with appropriate caution. Subsequent Section 360 and 370 reports will include a fuller discussion of SUA.

Source: Department of Defense based on data from the National Geo-Spatial Intelligence Agency.

USAF BRAC 2005 - WIDGET User:27.5247 - System:safiebq02-oaprod.hq.af.mil
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Assigned To:27.5247	Base:27	Level: Base	Status:Approved
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You are here: [Home](#) > [1 Air/Space Operations](#) > [1.1202 Airspace - Ranges and Routes](#) > Question 2 of 3

1.1202 : If the installation schedules or controls a Special Use Airspace or Airspace for Special Use, complete the following table. Make a separate entry for each airspace the installation controls or schedules and include any applicable associated ground range and range complex in the answer. See amplification for specific guidance. Question purpose: link previously reported airspace and ground ranges. Amplification (Last Update:16-Jun-04)

Recommended Source: FLIP: AP-1A, Special Use Airspace; AP-1B, Military Training Routes; applicable installation publications regarding range scheduling

1. Special Use Airspace / Airspace for Special Use Designation (Text)	2. Associated Ground Range (if applicable) (Text)	3. Range Complex (Text)
N/A	N/A	N/A

Answer Seq: #517422	18-JUN-04	27.5247	OPS
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Approved by Base POC.

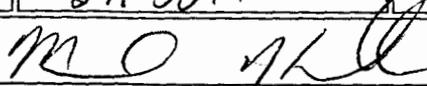
Answer Seq: #496697	10-JUN-04	27.5247	OPS
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Base Answer.

Recommended Source: FLIP: AP-1A, Special Use Airspace; AP-1B, Military Training Routes; applicable installation publications regarding range scheduling

Functional Point of Contact Certification

In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify to the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account Id	27.5247	Office Symbol	OSF/CC
Signature, Date:	 18 Jun 04		
Printed Name, Phone, Title:	Dolan, Michael J, Lt. Col, x4850, AFBell Army		
Answer Provider Certification			
In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify to the best of my knowledge and belief the information provided herein is accurate and complete.			
Account Id		Office Symbol	
Signature, Date:			
Printed Name, Phone, Title:			

Show Cross-base Question Status

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USAF BRAC 2005 - WIDGET User:27.5247 - System:safiehq02-oaprod.hq.af.mil Deliberative Draft Document. Not Releasable under FOIA			
Assigned To:27.5247	Base:27	Level: Base	Status:Approved
You are here: Home > 1 Air/Space Operations > 1.1203 Airspace Attributes - Supersonic > Question 3 of 3			
1.1203 : If the installation schedules or controls a supersonic-capable Special Use Airspace or Airspace for Special Use, identify all supersonice airspace with the attributes in the following table: Amplification (Last Update:04-Jun-04)			
Recommended Source: FLIP AP-1A, AP-1B; Falcon View or other certified flight planning software			

1. Airspace Designator (Text)	2. Operating Hours (Hr)	3. Airspace Volume $\geq 2,100$ NM square and 20,000' altitude block (Yes/No)	4. Airspace Volume at or above 30,000' (NM ³)	5. Airpace Volume below 30,000' (NM ³)	6. At least 80NM x 40NM and altitude block $\geq 30,000'$ (Yes/No)	7. At least 100NM x 50NM and altitude block $\geq 30,000'$
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Answer Seq: #517431	18-JUN-04	27.5247	OPS
Approved by Base POC.			

Answer Seq: #496698	10-JUN-04	27.5247	OPS
Base Answer.			
Recommended Source: FLIP AP-1A, AP-1B; Falcon View or other certified flight planning software			

Functional Point of Contact Certification			
In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify to the best of my knowledge and belief the information provided herein is accurate and complete.			
POC Account Id	27.5247	Office Symbol	DSF/CC

Signature, Date: <i>M. J. Dolan</i> 18 June 04			
Printed Name, Phone, Title: <i>Dolan, Michael J., X4850, Air Field Manager</i>			
Answer Provider Certification			
In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify to the best of my knowledge and belief the information provided herein is accurate and complete.			
Account Id		Office Symbol	
Signature, Date:			
Printed Name, Phone, Title:			
Show Cross-base Question Status			

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In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify to the best of my knowledge and belief the information provided herein is accurate and complete.

POC Account Id	27.5247	Office Symbol	OTM
Signature, Date: <i>M J L</i> , 4 Feb 04			
Printed Name, Phone, Title: <i>Dolan, Michael J, Airfield Mgr, X4057</i>			
Answer Provider Certification			
In accordance with Section 2903(c)(5) of Defense Base Closure and Realignment Act of 1990, Public Law 101-510 as amended, I certify to the best of my knowledge and belief the information provided herein is accurate and complete.			
Account Id		Office Symbol	
Signature, Date:			
Printed Name, Phone, Title:			

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U. S. COAST GUARD REQUIREMENTS
FOR A CONSOLIDATED WEST COAST AVIATION FACILITY
 March 16, 2005

BRAC 2005 IMPLICATIONS TO COAST GUARD INTERESTS

Background: The Coast Guard Chief of Staff, VADM Allen, met with DASN Ann Davis on March 8, 2005. A brief was provided regarding the Navy's BRAC 2005 planning efforts, including a list of potential BRAC sites. Among the Naval facilities identified was Naval Base Ventura County (NBVC) in southern California (PT Mugu).

Interest: The CG is developing plans to consolidate west coast aviation, UAV and response assets at a single site with critical access to a fully instrumented sea range for OT&E with runway access through Navy-controlled air space and surface ranges. There is potential for moving additional CG resources in the next five years to take advantage of the heavy airlift capability that would be based there, and highly desirable proximity to the mission.

The Coast Guard offers this information paper for DASN consideration.

Current CG planning factors for NBVC:

- Consolidate Three Existing CG Commands and provide better access to primary operating area:
 - CGAS Sacramento: 4 C-130 aircraft, 135 people, 178K sqft of hangar, shop, admin, & ready crew berthing space (currently CG-owned facility at former McClelland AFB, CA)
 - CGAS Los Angeles: 4 H-65 aircraft, 71 people, 44K sqft of hangar, shop, admin, & ready crew berthing space (currently CG-owned owned at the LAX International Airport)
 - Pacific Strike Team: 11 Assets (tractors, trailers, boats), 50 people, 82K sqft of hangar, shop, storage & admin space (currently CG-owned facility located at Novato, CA)
- New Capabilities / Deepwater Assets (2007 to 2015 for VUAVs, 2011 for MPAs):
 - VUAVs: 14 VUAVs, 84 people, 25K sqft of hangar, shop & admin space
 - Additional Maritime Patrol Aircraft: 2 MPAs, 34 FTE, 44K sqft hangar/shop/admin space
- Host Requirements / Assumptions:
 - Support Services: Security, Force Protection, Flight Operations, Fire Rescue, Fuel, Hazardous Materials/Hazardous Management, and facilities management.
 - 335K sqft of multi-use shore facilities space (hangar, shop, admin, storage, etc.)
 - 24/7 access to airfield with required support services for CG missions (SAR, LE, CT, etc.)
 - Housing: can fill USN excess capacity up to approx 260 units (70% of total personnel), including UPH

Plans for the Future/ End State (Assts not yet budgeted or funded):

- West Coast Deployment Center (Enhanced Maritime Security and Safety Team): 6 to 10 H-65s, 102 to 158 people, 60K to 75K sqft of hangar, shop, admin, and ready crew berthing space.
- Expanded National Strike Team: additional assets (tractors, trailers, boats), 50 people, addtl sqft of hangar, shop, storage & admin space.
- Potential DHS VUAV Center of Excellence: additional DHS VUAVs with centralized maintenance & training on-site, personnel and sq ft requirements under development.

Impact of Losing NBVC as a potential consolidation site:

- Due to FAA class "C" airspace restrictions, NBVC is the only site on the entire west coast where VUAVs may be flight tested and flown out to CG cutters in an approved sea test range.
- No other current location available in the southern California area to station MPAs without significant cost increase or operations effectiveness decrease in the Pacific AOR.

DCN: 11895

- Risk dramatic increase to overall TOC and OPEFF to site Deepwater aviation assets elsewhere.
- Lose potential \$40M in TOC savings (OE funds) by not co-locating air assets.
- Lose ability to realize additional CG OE savings (one command structure, decreased support infrastructure, etc), especially with future plans/end state.
- Lose use of inland test range for future "Use of Force" aircraft stationed on the west coast.

Conclusion:

USN and USCG staffs have been working on a detailed facilities assessment of NBVC to evaluate and identify specific buildings that meet our operational and shore infrastructure needs. Once a facilities assessment is complete CG intends to negotiate an ISSA with NBVC and proceed into the transition phase of this project.

NBVC offers a unique opportunity to co-locate several CG commands and achieve efficiencies in mission performance. There is no other west coast location that meets all the CG requirements for a consolidated CG facility, with access to airspace that allows unrestricted UAV deployment. UAV deployment is a key emerging capability for increasing maritime domain awareness in support of homeland security.

Loss of this site and the assumed host services significantly jeopardizes CG mission performance throughout the Pacific AOR, and drives TOC for new assets to a potentially prohibitive range.



Biography

Massachusetts Air National Guard

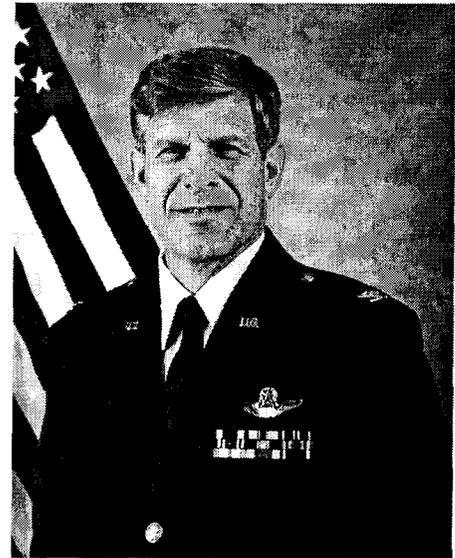
102nd Fighter Wing, Otis Air National Guard Base, Mass. 02542

COLONEL PAUL G. WORCESTER

Colonel Paul G. Worcester is the Commander of the 102nd Fighter Wing of the Massachusetts Air National Guard at Otis Air National Guard Base, Mass.

He is responsible for the activities of more than 1300 military and civilian personnel at the base who ensure the wing's ability to respond to peacetime contingencies while maintaining preparedness to accomplish its wartime mission.

Colonel Worcester and his wife, Janet, live in Plymouth, Mass. They have two children, Lindsay and Ryan.



EDUCATION:

- 1971 Associate's degree in aeronautical and space engineering technology, Wentworth Institute of Technology, Boston, Mass.
- 1973 Bachelor of science degree in mechanical engineering, Wentworth College of Technology, Boston, Mass.

ASSIGNMENTS:

1. 1977 - 1978, student, Academy of Military Science, McGhee-Tyson Air National Guard Base, Tenn.
2. 1978 - 1979, pilot training, Vance Air Force Base, Enid, Okla.
3. 1979 - 1980, F-106 Fighter Pilot Qualification, Tyndall Air Force Base, Fla.
4. 1980 - 1985, full-time F-106 alert pilot, 101st Fighter Interceptor Squadron, Otis Air National Guard Base, Mass.
5. 1986 - 1987, Airfield Manager, 102nd Fighter Interceptor Wing, Otis Air National Guard Base, Mass.
6. 1987 - 1992, Chief of Safety, 102nd Fighter Wing, Otis Air National Guard Base, Mass.
7. 1992 - 1996, Airfield Manager, 102nd Fighter Wing, Otis Air National Guard Base, Mass.



Biography

Massachusetts Air National Guard
102nd Fighter Wing, Otis Air National Guard Base, Mass. 02542

COLONEL ANTHONY E. SCHIAVI

Colonel Anthony E. Schiavi is the Vice Commander of the 102nd Fighter Wing of the Massachusetts Air National Guard at Otis Air National Guard Base, Mass. To ensure mission readiness, he assists the commander in directing the activities of approximately 1,300 military and civilian personnel. He is responsible for resource management functions, formulating plans, and establishing policy for unit administration, operations, training, tactical employment, maintenance and supply.

Colonel Schiavi is a native of Massachusetts. He entered the Air Force in 1983, and was commissioned through the Reserve Officer Training Corps. He is a command pilot and veteran of Operation Desert Storm with 56 combat missions and one confirmed aerial victory. He has logged more than 2400 hours of flight time including over 2300 hours in the F-15 and 308 combat hours. Colonel Schiavi resides in Harwich, Mass with his wife, Debe. They have four children: Holly, Andrew, Robbi and Carter.



EDUCATION:

1983 Bachelor of arts degree in mathematics, Assumption College, Worcester, Mass.

ASSIGNMENTS:

1. 1983 – 1986, Advanced Technology Program Manager, Air Force Plant Representative Office (AFPRO), The Boeing Company, Seattle, Wash.
2. 1987 - 1988, student, Undergraduate Pilot Training, Laughlin, Texas
3. 1988 – 1990, F-15 pilot, 58 Tactical Fighter Squadron, Eglin Air Force Base, Fla.
4. 1990 – 1991, F-15 pilot, 33 Tactical Fighter Wing Provisional, Tabuk Air Base, Saudi Arabia
5. 1992 – 1993, Operation Total Force F-15 instructor pilot, 102nd Fighter Wing, Otis Air National Guard Base, Mass.
6. 1993 – 1994, Chief of Training, 102nd Fighter Wing, Otis Air National Guard Base, Mass.
7. 1995 – 1996, Chief of Weapons and Tactics, and Assistant Air Operations Officer, 102nd Fighter Wing, Otis Air National Guard Base, Mass.
8. 1997 – 2002, Operations Group Commander, 102nd Fighter Wing, Otis Air National Guard Base, Mass.



Biography

Massachusetts Air National Guard

102nd Fighter Wing, Otis Air National Guard Base, Mass. 02542

COLONEL RICHARD R. DUPUIS

Colonel Richard R. Dupuis is the Commander of the Maintenance Group, 102nd Fighter Wing located at Otis Air National Guard Base, Mass.

The colonel directs the activities of more than 400 military and civilian personnel who are responsible for the logistics functions of aircraft maintenance and generation, logistics support, weapons management and maintenance. He is also responsible for the base's Precision Type II C Measurement Equipment Laboratory. He has overall responsibility for the Quality Assurance program of all maintenance activities, and is the single point of contact for the quality of the aircraft.

Colonel Dupuis and his wife, Tammy, reside in Acushnet. They have one son, Justin, an F-16 pilot for the Air Force.



EDUCATION:

- 1985 Associate's degree in business management, Quincy Junior College
- 1990 Bachelor's degree in business management, Anna Maria College

ASSIGNMENTS:

1. August 1972 - September 1986, enlisted experience, avionics and aircraft maintenance
2. September 1986 - December 1992, Avionics Officer in Charge, 102nd Fighter Wing, Otis Air National Guard Base, Mass.
3. December 1992 - August 1996, Aircraft Generation Squadron Commander, 102nd Fighter Wing, Otis Air National Guard Base, Mass.
4. August 1996 - July 2000, Maintenance Squadron Commander, 102nd Fighter Wing, Otis Air National Guard Base, Mass.
5. July 2000 - May 2001, Logistics Group Commander, 102nd Fighter Wing, Otis Air National Guard Base, Mass.



Biography

Massachusetts Air National Guard
 102nd Fighter Wing, Otis Air National Guard Base, Mass. 02542

COLONEL MARK F. ELLIS

Colonel Mark F. Ellis is the Commander of the Mission Support Group, 102nd Fighter Wing, Massachusetts Air National Guard located at Otis Air National Guard Base, Mass.

As the Mission Support Group Commander, Colonel Ellis is directly responsible for all support functions within the fighter wing. Colonel Ellis oversees the activities of more than 400 military and 150 civilian personnel at the base who are assigned to the Civil Engineering Squadron, Logistics Readiness Squadron, Security Forces Squadron, Communications Flight, Mission Support Flight, Services Flight and Contracting services. The Mission Support Group also provides host services to over twenty tenant organizations on the 22,000-acre military reservation that include bio-environmental management functions, highway and grounds maintenance, fire protection, security, communications, electrical power distribution, sewage disposal, solid waste transfer and recycling.



Colonel Ellis is a native of Sandwich, Massachusetts. He entered the Massachusetts Air National Guard in August of 1972 and was commissioned through the Air National Guard commissioning program at McGhee-Tyson ANGB TN. Colonel Ellis resides in Sandwich.

EDUCATION:

- 1971 Bachelor of arts degree in psychology, Ohio University, Athens, OH
- 1978 Squadron Officer School
- 1980 Aircraft Maintenance Officers School, Chanute AFB, IL
- 1982 Air Command and Staff College
- 1985 ANG Aircraft Mishap Prevention Course
- 1997 Advanced Logistics Officers Course, Lackland AFB, TX
- 2001 Air War College

ASSIGNMENTS:

1. 1973, student, Academy of Military Science, McGhee-Tyson Air National Guard Base, Knoxville, TN
2. 1973 - 1974, pilot training, Laughlin AFB, Del Rio, TX
3. 1974 - 1975, F-106 Combat Crew Training, Tyndall AFB, FL



Biography

Massachusetts Air National Guard

102nd Fighter Wing, Otis Air National Guard Base, Mass. 02542

COLONEL TIMOTHY M. LYNCH

Colonel Timothy M. Lynch is the Commander of the 102nd Operations Group of the Massachusetts Air National Guard at Otis Air National Guard Base, Mass.

He is responsible for the training of combat ready pilots in support of the 102d Fighter Wing's peacetime alert and wartime mission.

Colonel Lynch and his wife, Debbie, live in Mashpee, Massachusetts. They have two children, Jeffrey and Jackie.

EDUCATION:

1979 Bachelor of science degree in chemistry, University of Utah

1987 Masters of science degree in aviation science, Embry Riddle Aeronautical University



ASSIGNMENTS:

1. 1982, Officer Training School, Lackland Air Force Base, TX
2. 1982-1983, Euro-NATO Joint Jet Pilot Training, Sheppard Air Force Base, TX
3. 1984, F-15 Fighter Pilot Qualification Training, Luke Air Force Base, AZ.
4. 1984-1987, F-15 Fighter Pilot, Bitburg Air Base, Germany
5. 1987-1990, F-15 Instructor Pilot/Flight Commander, Tyndall Air Force Base, FL
6. 1990, F-15 Fighter Weapons Instructor Course, Nellis Air Force Base, NV.
7. 1991-1994, F-15 Instructor Pilot/Flight Commander/ADO, Elmendorf Air Force Base, AK
8. 1994 – 1995, Air Command and Staff College, Maxwell Air Force Base, AL
9. 1995-1998, DOTW Staff Officer, Air Combat Command, Langley Air Force Base, VA
10. 1998-2000, Chief Weapons and Tactics/Chief Stan Eval/Flight Commander, Otis Air National Guard Base, MA
11. 2000-2001, Commander of Operations Support Flight, Otis Air National Guard Base, MA

Agenda

BRAC Meeting with Otis Community Representatives

@ MMR Welcome Center

Tuesday May 31st, 8:00 (45 minutes)

- | | |
|--|--|
| 1. Welcome and Introductions | Col Paul Worcester |
| 2. Welcoming Comments | Governor Romney and Senator Kennedy |
| 3. Remarks | George Baker, Otis Coalition Spokesman |
| 4. Panel Comments | George Baker, Moderator (each panel 8 min.) |
| 5. State Representatives | Senator Rob O'Leary and Cape
State Legislative delegation |
| 6. Local Selectmen | Virginia Valiela and representatives
from Towns of Bourne, Sandwich
Falmouth and Mashpee |
| 7. Environmental,
Planning and Encroachment | John Lippman,
Deputy Director of the CC Commission
Maggie Geist, Director, APCC |
| 8. Military, Coast Guard
Impacts | Admiral John Linnon, USCG, Retired and/or
Capt. Richard Buttrick, USCG Retired |
| 9. Q and A
(if time permits) | George Baker, Moderator |



Headquarters, Camp Edwards

Joint Forces Interagency Training Base, Cape Cod

**Joint Operations with Otis Air National
Guard Base**

31 May 2005



Joint Forces on Installation



- Army National Guard Maneuver Training Center, Camp Edwards
- Army National Guard, 101st Regional Training Institute
- Army National Guard, 180th Engineer Detachment
- Army National Guard, 387 Explosive Ordnance Disposal
- Air National Guard, Otis Air National Guard Base
- Air National Guard, 102nd Fighter Wing
- Air National Guard, 101st Fighter Squadron
- Air National Guard, 253rd Combat Communication Group
- Air Force, PAVE PAWS 6th Space Warning Squadron
- Coast Guard Air Station Cape Cod
- Coast Guard 301 Port Security Unit
- Coast Guard Communication Station Boston

Camp Edwards





Interagencies on Installation

- Veterans Administration, National Cemetery
- Barnstable County House of Correction
- United States Department of Agriculture
- Federal Aviation Administration
- Town of Bourne, School Department
- Army Corps of Engineers
- Environmental & Readiness Center
- National Oceanographic & Atmospheric Administration





How does Otis ANG affect Camp Edwards' Mission?

Camp Edwards utilizes Otis ANG for all of the following resources to execute its mission:

- Sewer
- Electrical
- Water
- Explosive Ordnance Disposal Support
- Security Forces
- Dual Responsibility of maintaining Road Network
- Communication needs
- Secure Communications
- Emergency response and Fire/Rescue

* All Resources are Critical for Camp Edwards to continue its mission.



Camp Edwards Mission Statement



- To train units to regulation standard in conducting all war time and peace time missions.
- To support all DoD directives including homeland defense operations and training.
- To provide the governor with a trained and ready force and staging area on Cape Cod to deal with state and domestic emergencies (Hurricanes, natural disasters, terrorist threats, etc.).





Utilization of Camp Edwards

Year	Total Man-days	Comments
Fiscal Year 2000	142,406	
Fiscal Year 2001	103,668	Civilian Utilization drops after 9/11.
Fiscal Year 2002	158,910	Significant increase in Military Utilization.
Fiscal Year 2003	127,768	Deployments caused drop in utilization.
Fiscal Year 2004	177,839	
Fiscal Year 2005	150,000	Still a large number of deployed units.
Fiscal Year 2006	200,000	Projected Number.





Recent Training by Out of State Units at Camp Edwards

Rhode Island – JFHQ-RI HQ DET, 43rd MP BDE, 103rd FA BDE
Connecticut – 143 FSB, 102 Inf Bn, 103rd ACS (ANG)
New Hampshire – 3643 Service Co.

Other Military Utilization

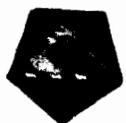
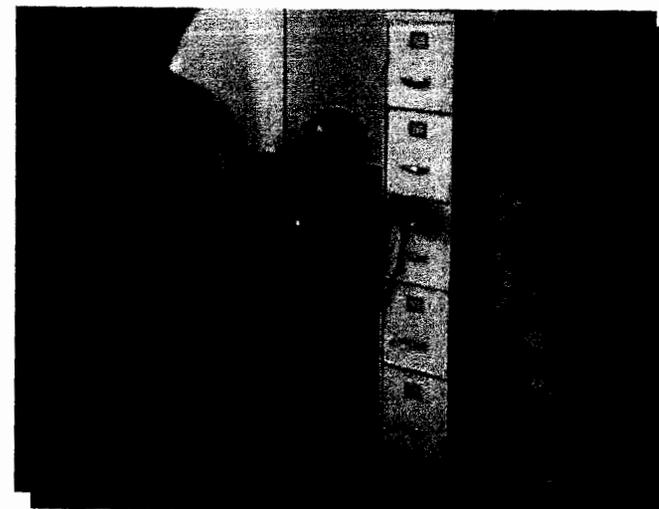
- ANG
- USMC
- Drill Sergeant School
- USCG
- USN
- Air Assault School
- USAR
- USAF
- Expert Infantry Badge





Law Enforcement Agencies that utilize Camp Edwards

- Internal Revenue Service (IRS)
- Federal Bureau of Investigation (FBI)
- Alcohol, Tobacco and Firearms (ATF)
- Drug Enforcement Agency (DEA)
- Federal Protective Services (FPS)
- Massachusetts State Police
- Barnstable County Sheriff's Office
- Massachusetts Criminal Justice Society
- Local Police Departments





Types of Training Utilized by Law Enforcement Agencies

- Tactical Entry and Clearing Procedures of Buildings.
- Weapons Familiarization and Weapons Qualification.
- Rappelling Operations.
- Tactical Training with Live Fire Simunitions in Enclosed Areas.
- Vehicle stop and search procedures.
- Engagement Skills Trainer.
- Defensive Driving.
- Physical Fitness Training – Post Gymnasium.

Camp Edwards





Joint Ventures with other Agencies

- Automated Exercise and Assessment System (AEAS) – tool utilized to help conduct staff training with federal, state, and local law enforcement agencies and emergency services for first responder events, WMD, and terrorist response training.
- Support of Civilian Events - Democratic National Convention.
- Fire management training courses.
- Coordinated training with Coast Guard on Rappel Tower (rappelling and fast roping exercises).



Camp Edwards



Impacts on Functional Areas of Camp Edwards:

- Facility Engineering (FE).
- Army Aviation.
- Training (Plans & Training Division).
- Logistics (Directorate of Logistics).
- Regional Training Institute (RTI Bldg. # 5222).
- Other Concerns.

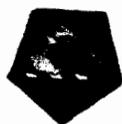




Facilities Engineers:

Facility Engineering would have to take over the following services to keep Camp Edwards and the other tenant agencies functioning in the Absence of Otis ANG:

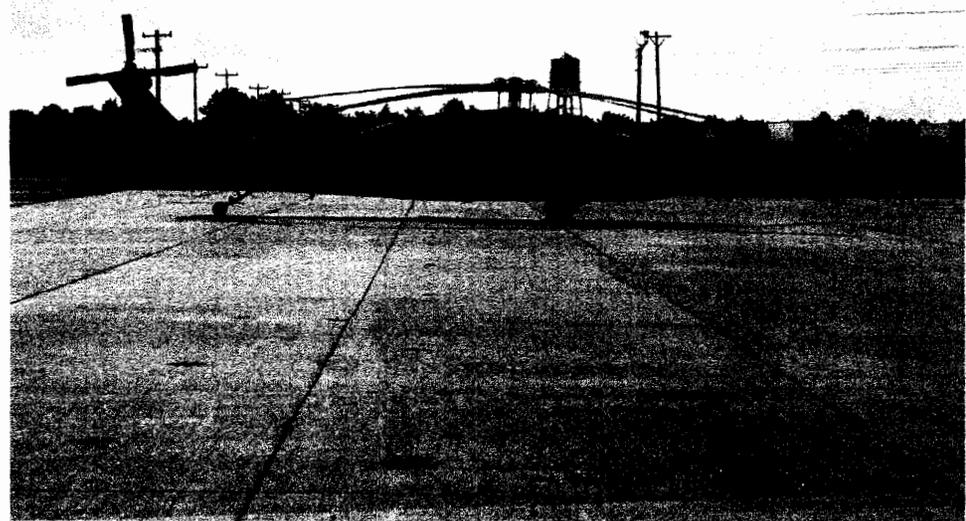
- Sewer operations and maintenance.
- Electrical Network and Infrastructure.
- Water Network and Infrastructure.
- Road Network and maintenance of Infrastructure.
- Communications for entire installation.





Army Aviation

- Who will maintain the Airfield in the absence of Otis ANG?
- Where will the equipment and personnel come from to maintain the airfield if this mission is transferred to the ARNG?





Training Division:

The following resources would be affected in the training division due to one or all of the following services not being provided: electrical, sewer, water or communications needs.

- Engagement Skills Trainer 2000.
- GUARDFIST II and Howitzer Crew Trainers (Artillery Simulators).
- Automated Ranges SE, SW, and Echo Ranges.
- Battle Simulation Center (War fighter Exercises and use as an Emergency Operations Center).
- Building 1805 (Emergency Operations Center).

Camp Edwards

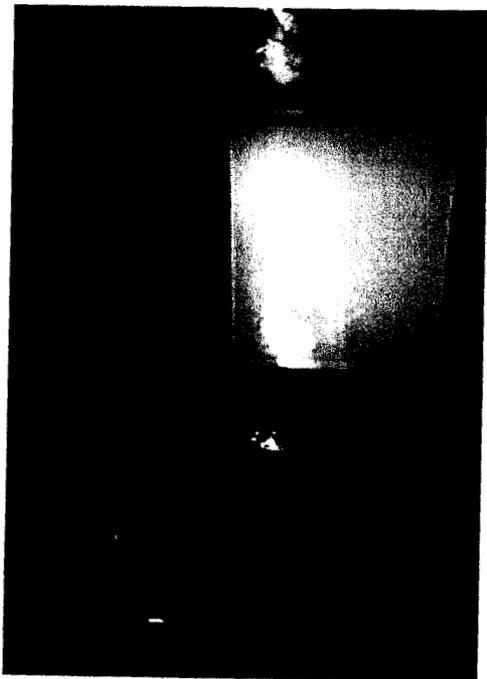




Engagement Skills Trainer 2000



The EST 2000 provides the means to conduct weapons training indoors, in a controlled environment, without expending live ammunition or subjecting tactical weapons to wear and tear.



It is used to provide weapons-handling and safety training and to evaluate individual proficiency for initial entry soldiers.

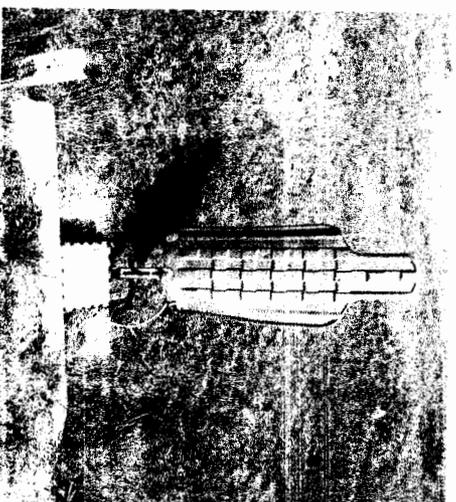
It is also used to provide sustainment training in preparation for weapons qualifications.

Camp Edwards

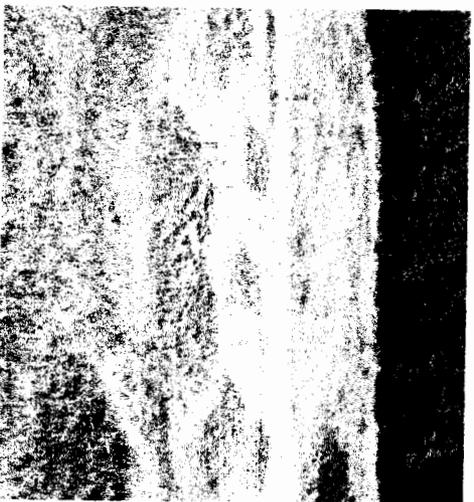




Range Modernization Projects



- Modified Record of Fire Range (SE & SW Rng).
- Combat Pistol Qualification Range (Echo Rng).
- Systems require power for operation (RETS).
- Range Facility Management Support System requires power and communication capability.
- Range Control requires power for full operating capability.



Camp Edwards

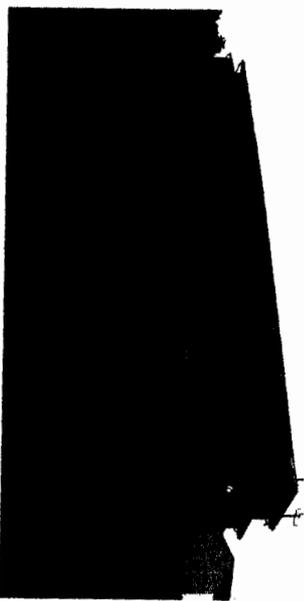




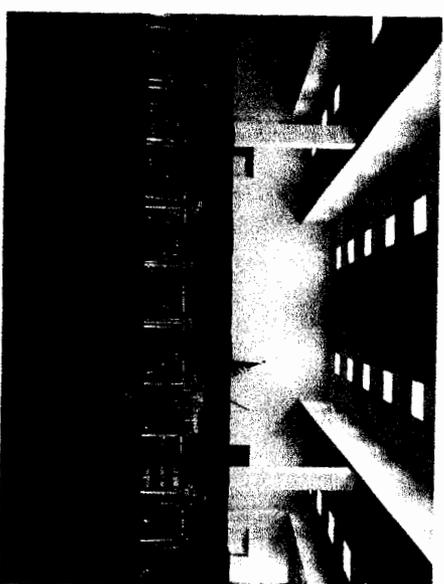
Battle Simulation Center Bldg. 1206



- JANUS Hardware and Software Suite.
- Supports squad through brigade level training.
- Focuses on staff coordination & training.



- Automated Exercise and Assessment System (AEAS) will add to the capabilities of the JANUS Suite (Law Enforcement & First Responders training).
- Building can be utilized as a state of the art Emergency Operation Center (EOC).
- Built in PA system, VHS & DVD capability, and overhead Power Point Projector.

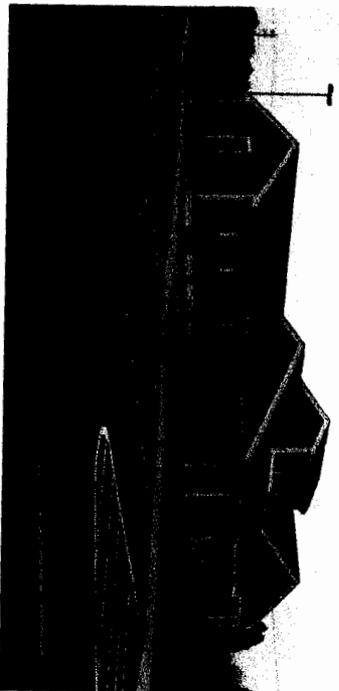


Camp Edwards



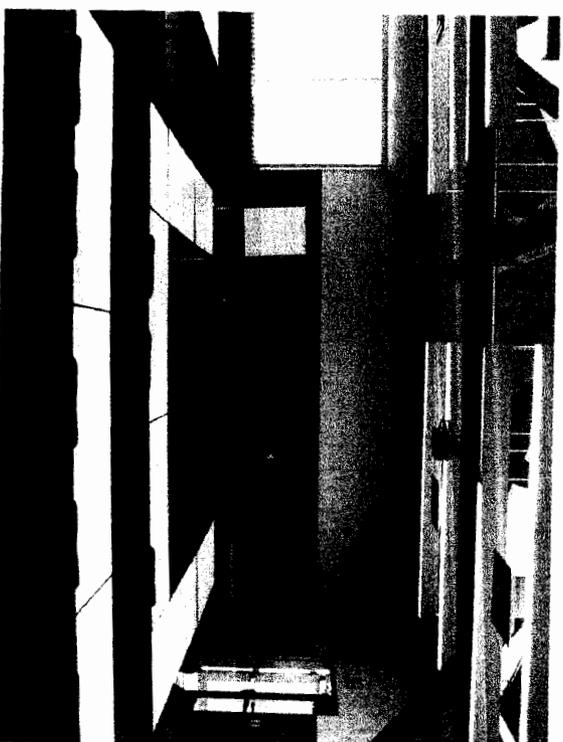
Welcome Center Bldg. 1805

- Building can be utilized as a state of the art Conference Center.



- Built in PA system, VHS & DVD capability, and overhead Power Point Projector.

- Building can be utilized as a state of the art Emergency Operation Center (EOC).
- Facility located next to Connerly Avenue for easy access.



Camp Edwards





Future Training Concerns

- Utilization would be disrupted if any or all of the resources provided by Otis ANG were decreased or eliminated.
- Decrease of services would hamper modernization projects of existing ranges (Weapons Qualification to Regulation Standards).
- Transformation of force structure will be placing greater demand upon Camp Edwards to train units (Active, Guard, & Reserve) who traditionally train at Ft. Drum, NY. Decrease of services would jeopardize increased training load.
- The trend of out of state units usage will continue to grow as Camp Edwards training opportunities improve thus requiring the full support of resources from Otis ANG to maintain operations.
- Decrease of services will jeopardize ability to conduct coordinated exercises with civilian municipalities and the law enforcement community for disaster preparedness and response to WMD and terrorist attack training.





Logistics Division:

The following resources would be affected in the Logistics Division due to one or all of the following services not being provided: electrical, sewer, water or communications needs.

- Ability to house personnel in the BOQ (464 capacity) and Barracks (2880 capacity).
- Three Dining Facilities have a combined capacity to feed 2200 personnel.
- Ration Breakdown Point and Reefer Operations.
- Ammo Supply Point (ASP)
- Warehouse Operations





Regional Training Institute (RTI)

The following resources would be affected at the RTI due to one or all of the following services not being provided:

- electrical, sewer, water or communications needs.
- BNCCOC, ANCCOC, OCS, Pre-Command, Small Group Instructor (SGL), and Total Army Instructor Trainer Course (TAITC) courses being conducted.
- MOS producing schools – 13B, 13E, 13F, 13R, 13Z, 71L, 42A, 91W, 95B, 88M.
- Distance Learning Center (DLC).
- Virtual Training Center (VTC).
- Air Assault Course, Rappel Master Course, Specialized Training Courses.





Other Concerns:

- 102 FW Security Forces supplement our own security forces and also have detain capabilities and MOA with MA State Police.
- The Base Communications (Bldg. 104) provides the only secure means of passing classified information, in addition to providing all of reservation's communications capability.
- Explosive Ordinance Disposal is currently provided by the 102 FW, they provide this critical service.
- Otis Fire Department provides first response and emergency support on a 24/7 basis. They also provide safety inspection to tenant units on the reservation.
- CE maintains the existing Rail lines which are critical to existing Railhead operations.





Future Implications for Camp Edwards

- MA-ARRNG would have to take responsibility of infrastructure on reservation to remain operational (who will pay for it?).
- Too many critical resources exist on Otis that Camp Edwards requires to remain operational.
- Would seriously hamper Camp Edwards ability to support Army and National Guard Force structure transformation.
- Would jeopardize Camp Edwards from becoming a Regional Homeland Defense Training Center.



Massachusetts Army National Guard

Questions?



DCN: 11895



Camp Edwards

DRAFT

Military Value – AF Selection Criteria Ignored Homeland Defense

3	Homeland Defense Deficiencies
----------	-------------------------------

"The strategic objectives of the 2005 National Defense Strategy include defending the US homeland from direct attack"
-Executive Summary, AF Analysis and Recommendations BRAC 2005

Factors Not Considered:

- Current Air Sovereignty Alert Mission
- Strategic Location
- Surge Capability in response to increased NORAD Threat Levels
- Base Security
- Future and Asymmetric Threats

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DRAFT

Military Value – Summary

- **MCI SCORE – Corrected value - Otis ranks 27th**

- **FLAWED METHODOLOGY – Misrepresented true value of ranges**

- **HOMELAND DEFENSE – Current Mission not considered in MCI**

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Agenda

Executive Summary

Military Value

→ **Cost Savings**

Homeland Defense

Recommendations to the BRAC Commission

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DRAFT

Cost Savings – DoD’s Analysis is Flawed

Flaws in DoD Methodology

- The COBRA analysis was not comparative



Proposed BRAC 05 Timeline

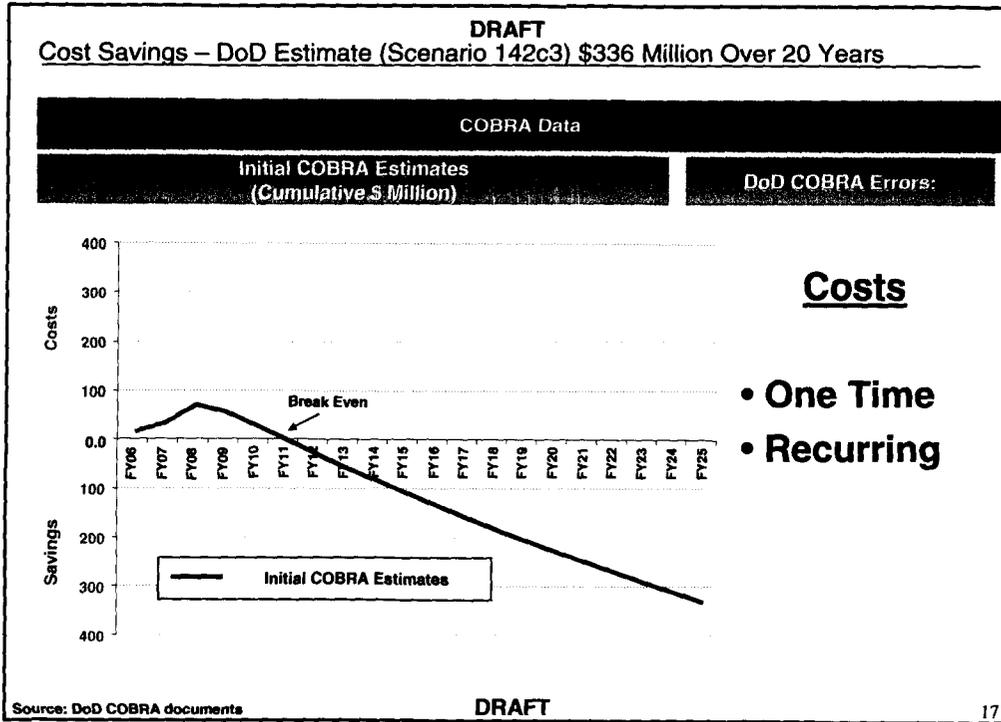
EVENT	2003		2004			2005	
	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	
Develop Data Call Tools	Capacity Data Call	Capacity Review	Military Value Data Call	Military Value Analysis	Develop Scenarios	COBRA	

Source: BCEG Minutes

- Money saved through personnel and overhead, not by eliminating inefficient bases
 - Proposed cost savings are not specific to Otis ANGB

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DRAFT
Cost Savings – Inaccurate Data Inflates Projected Savings

Adjusted Costs

One-Time

- DoD failed to accurately calculate conversion costs
- COBRA model placed training costs for Atlantic City F-15 conversion at \$4.8 million
- Historical data puts one-time training costs at \$78M

Additional \$73.2 million
in one-time costs

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DRAFT
Cost Savings – Inaccurate Data Inflates Projected Savings

Adjusted Costs

Recurring

- DoD ignored leave behind costs for Federal MMR tenants, despite requirements under Statute 2913(e)
- Closing Otis ANGB will require a significant yearly leave behind cost for USCG, ARNG, and other tenants



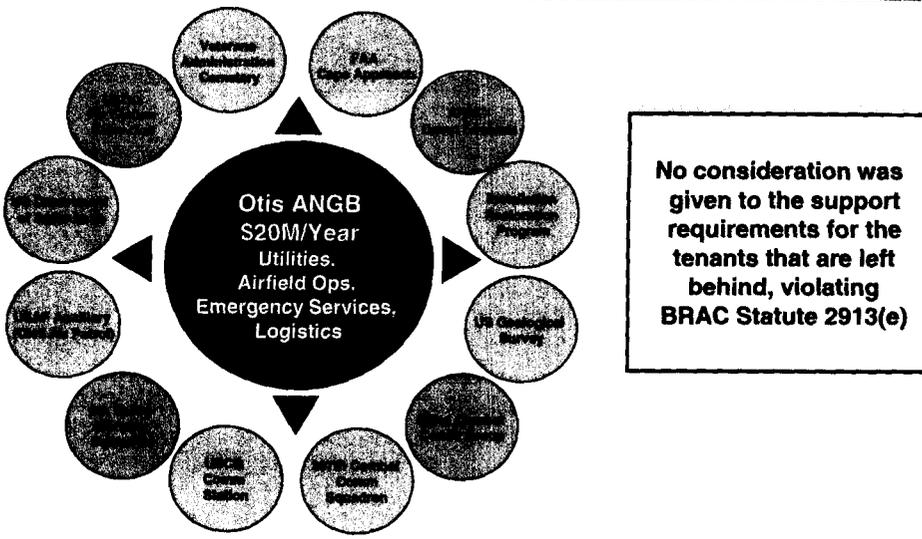
Additional \$20 million per year in recurring costs

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DRAFT
Cost Savings – Impact on Tenants Not Considered

Selected Otis ANGB Tenants*



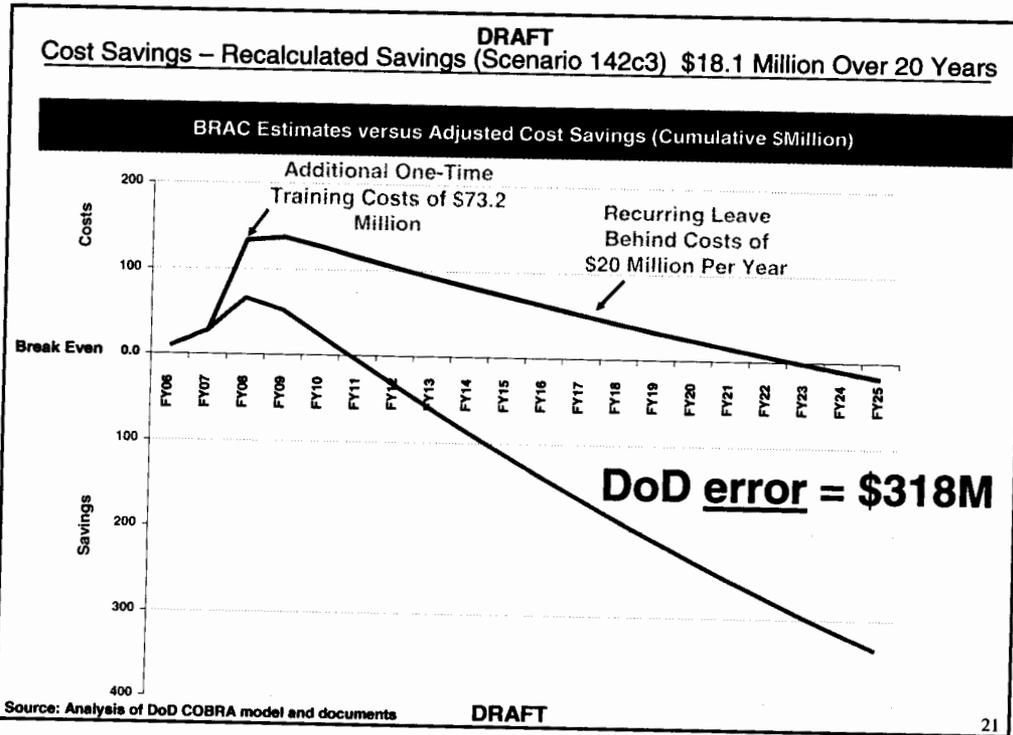
Otis ANGB
\$20M/Year
Utilities,
Airfield Ops,
Emergency Services,
Logistics

No consideration was given to the support requirements for the tenants that are left behind, violating BRAC Statute 2913(e)

*Total tenants = 28 +

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Agenda

Executive Summary

Military Value

Cost Savings

→ **Homeland Defense**

Recommendations to the BRAC Commission

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DCN: 11895

Lt. Frank Otis

Otis Air National Guard Base is named for pilot, flight surgeon, and eminent Boston City Hospital surgeon, Lt. Frank "Jesse" Otis, a member of the 101st Observation Squadron who was killed on Jan. 11, 1937 when his Douglas O-46A crashed while on a cross-country training mission.

In 1938, the landing field area at Camp Edwards was named Otis Field in memory of the Boston flying physician. Ten years later the base was renamed Otis Air Force Base in his honor. Until 1973, it was the largest Aerospace Defense Command base in the world and is the only base named for a doctor.

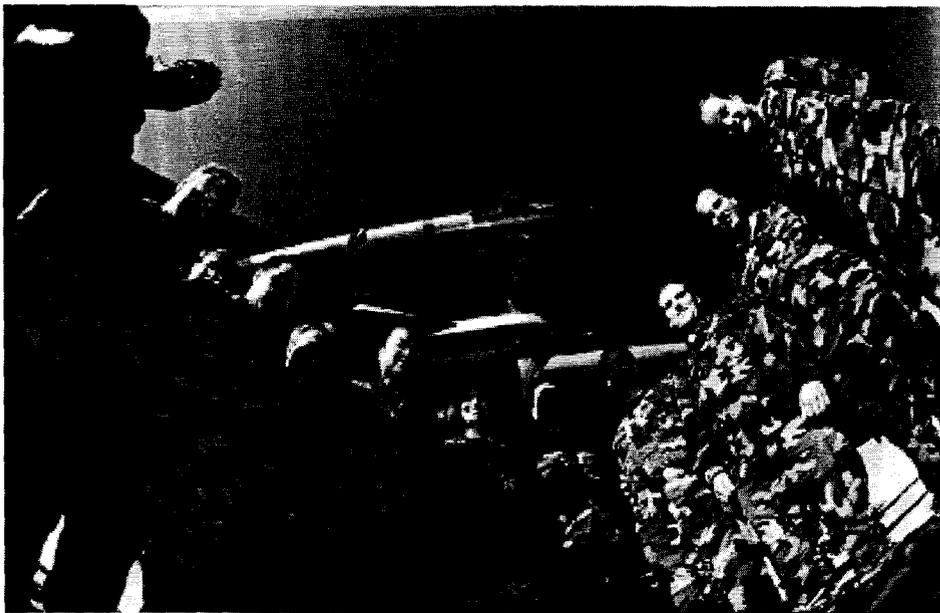
Otis Air National Guard Base
Home of the
102nd Fighter Wing



The Guard Today

More than 500,000 Americans serve in the National Guard. Guard units are located in approximately 3,200 communities in the 50 states, District of Columbia, Puerto Rico, the Virgin Islands, and Guam. The purpose of each reserve component is to provide trained units and qualified persons available for active duty in the armed forces in time of war or national emergency and at such times as national security requires.

Although sometimes overlooked, the states have a major stake in their National Guard units. That importance is based on the fact that the Guard, unless called up for active federal duty, is under the command of the governors. The Guard is the only military force immediately available to a governor in times of civil unrest and natural or human disasters. One Defense Department informal estimate is that 280,000 National Guard positions are needed as the minimum essential force to meet routine and major state disaster-relief requirements.



"We are your neighbors on Cape Cod"

the security of our homeland defense. We are confronted by an uncertain world; however, we are prepared to meet the challenge.

The 102nd Fighter Wing isn't just universally recognized for its performance, it is setting the standard by which others will be measured. At the same time we are honored to learn through you and others, all in the name of continuous improvement.

It is also important to mention that we are members of an extended family at Otis. People don't often succeed without the help of other people who are interested in them and their futures. Otis is an excellent place for a young person seeking the type of tutoring and personal mentoring it takes to become successful. If the greatness of individuals is measured by the quality of those who surround them, we are all winners in the "Team Otis" family. Your interest in our organization is an honor for all of us; please give consideration to becoming one of us.

It's important that you, our visitors to the wing feel connected to us, as we are to you. Our people are proud to demonstrate our commitments to you and your community; we need your support, and we will continue to prove that we are worthy of it.

Guardsmen and their families live in many communities nearby the base, we are your neighbors. We make positive contributions to Cape Cod life. We are proud to live and work here, we take pride in everything we do.

While visiting Otis, please share in the Otis experience by asking questions about our mission, our importance to national defense, our impact on the local economy, and equally important, our commitment to environmental security.

We hope that your visit to Otis is interesting and informative. We are fortunate to be surrounded by many beautiful beaches and scenic areas; please enjoy the hospitality of the adjoining communities.

Sincerely,



Wing Patch Mirrors Mission

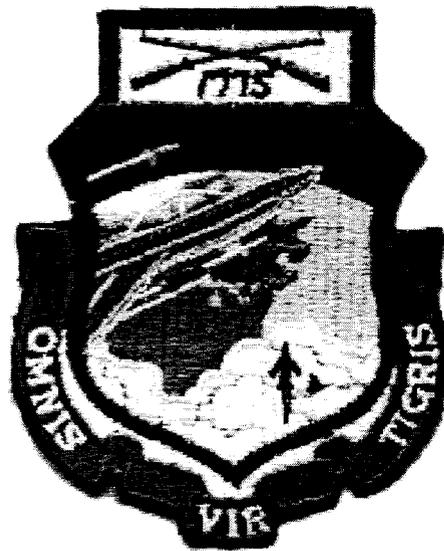
A pair of crossed muskets appears at the top of the shield with the year 1775 inscribed. This logo portrays both the weapon of the Minuteman and the year this militia was first called to defend the territory now covered by the wing.

Several planes appear on the shield, representing the wing's mission of interception and air defense.

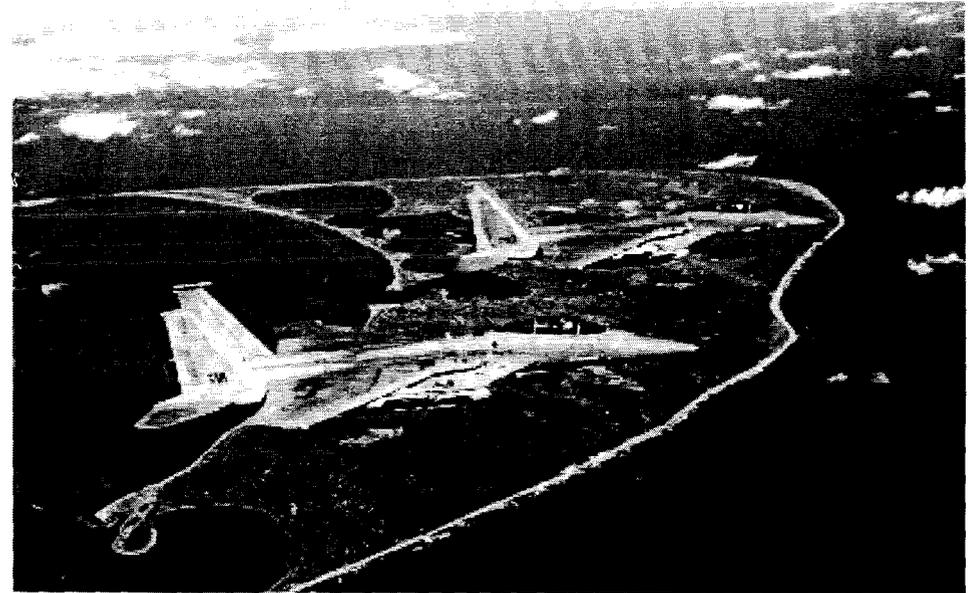
The focal point of the emblem is a much larger plane pointed in the direction of the northeast portion of the Western Hemisphere where the wing flies its third mission - attack.

Hemming the bottom of the shield is the Latin motto exemplifying the vigor with which the 102nd pursues its missions:

"OMNIS VIR TIGRIS
Everyone a Tiger."



The entire shield is outlined in dark red, a color traditionally used to symbolize courage and the fortitude to face opposition unflinchingly.



to a military establishment intended to repel enemy attack. Until 1973, Otis was the largest Aerospace Defense Command base in the world and the only Air Force base named for a doctor.

Otis Air Force Base was deactivated in 1973 in as much as only the Air Force units departed. The 102nd Fighter Wing of the Massachusetts Air National Guard assumed the 24-hour, 365 days-a-year alert air defense commitment. The Coast Guard also made a commitment to remain at Otis, and the Massachusetts Army National Guard assumed the responsibilities for the Camp Edwards area of Otis.

Massachusetts Military Reservation

In 1977, Otis AFB was officially redistributed with the establishment of boundary lines which divided the complex into several installations, all within the confines of the original base. Established was Otis Air National Guard Base, Camp Edwards, and the U.S. Coast Guard Air Station Cape Cod. Together they form the Massachusetts Military Reservation.

In 1978, the Air Force returned with the construction of the Precision Acquisition Vehicle Entry Phased Array Warning System (PAVE PAWS) near the Cape Cod Canal. PAVE PAWS is designed to detect airborne ballistic missiles and monitor space orbiting satellites.

A History of the 102nd Fighter Wing

The 102nd Fighter Wing was born in the spring of 1921 as the 101st Observation Squadron, Massachusetts National Guard. By November of that year, the squadron was federally recognized.

The squadron secured its own training site on the landfilled tidal flats at Jeffries Point, East Boston. This humble field, with its two cinder runways, would later be known as Logan International Airport.

In 1940, the 101st was inducted into federal service and was then moved from Logan Airport to Otis Field at Camp Edwards, Mass. During World War II the unit served under the Ninth Air Force as a reconnaissance unit. After serving in France, the squadron returned to the states in 1945 and was reactivated as a National Guard unit on July 29, 1946.

In 1950, the 102nd was recalled to active duty and assigned to the Air Defense Command. Remaining at home station, the Logan International Airport-based ANG unit stood runway alert throughout the Korean conflict.

When the Berlin wall was built in 1961, the 102nd Tactical Fighter Wing was alerted and by Nov. 1st, 26 of the wing's F-86H aircraft were on the ramp at Phalsbourg Air Base, France. The wing provided close air support to NATO's U.S. Seventh Army.

By August 1962, the wing was released from active duty and returned to Air National Guard control. In August of 1968, the 102nd left its Boston home of over 45 years and became a tenant unit at Otis Air Force Base.

The return to Otis for the 102nd was fitting indeed. The 101st Observation Squadron, forerunner of the 102d Fighter Interceptor Wing, was the original occupant of the Otis Field and was instrumental in its construction on the Camp Edwards property. The original intent of Otis Field was for utilization by National Guard aircraft.

The wing flew the F-84F Thunderstreak until June 1971, when a squadron of F-100D Supersabres was transferred directly from the conflict in Vietnam. After making the transition to the "Hun," a shift in Department of Defense military planning brought still more change to the 102nd and its mission.

lead role in "Homeland Defense;" fighter jets from the wing were the first to respond to the terrorists attacks on New York City. Our aircraft continue to perform Combat Air Patrols over the East Coast.

The 102nd Fighter Wing's area of responsibility includes over 500,000 square miles, 90 million people, and the major industrial centers of Boston, New York, Philadelphia, Detroit, and all national command centers in Washington, D.C.

Most of our Air National Guard pilots are either full time military or civilian professional pilots. Many of them are the same pilots that you trust when you fly with the commercial airlines.

Success or failure in a future war will be accomplished in a matter of days. The 102nd Fighter Wing is part of the frontline force. Should a war occur, there would be no time for additional training, no time to "gear up" or "get ready". Also, history has repeatedly proven that the best way to prevent war is to prepare for war. All of this makes our training challenging and worthwhile and keeps us ready to fly anywhere in the world at any time.

Our men and women train hard to be prepared for any contingency. A lot of sacrifices are made in the home and on the job performing weekend duty, day and evening training, and temporary assignments at distant locations.

During the past decade, in the years 1991 through 1995 the Wing deployed to Panama as part of "Coronet Nighthawk," a drug interdiction operation. During the years 1995 through 1998 the wing deployed each year to Iceland for 45 days of air defense duty. During 1998 Otis Guard members trained for and performed real-world contingency assignments in Iceland, Canada, and Europe. In 1999 the Wing participated in Operation Northern Watch when it deployed with its F-15 Eagle aircraft to Turkey to patrol and enforce the no-fly zone north of the 36th parallel in northern Iraq. In 2000 the Wing deployed over 350 of its members to various overseas locations in support of the Expeditionary Aerospace Force and Operation Southern Watch. Locations included Turkey, Italy, France, Saudi Arabia, and Kuwait.

The dedicated men and women of the 102nd Fighter Wing live out its motto, "Omnis Vir Tigris," (Everyone a Tiger). We have pride in our past and faith in our future; we guard America's skies!

U.S. Coast Guard Air Station Cape Cod

U.S. Coast Guard service members at Air Station Cape Cod perform search and rescue missions, marine environmental protection and maritime law enforcement. Three hundred active duty personnel work at Air Station Cape Cod and many Coast Guard families—approximately 2,300 residents—reside in housing on the MMR. Air Station Cape Cod operates an environmental program focused on pollution prevention, emergency preparedness, environmental law, pollution response and internal programs of compliance and restoration.

Contact Bob Cannon, 508-968-6487
www.uscg.mil/d1/units/ascapecod/

Cape Cod Air Force Station 6th Space Warning Squadron (PAVE PAWS)

PAVE PAWS is the only ground-based sensor providing missile warning for the east coast of the United States and southern Canada against intercontinental and sea-launched ballistic missiles. The squadron conducts space surveillance of 1,200 to 1,500 Earth-orbiting satellites per day, providing detection, tracking, collision avoidance and re-entry data to NORAD Space Control Center at Cheyenne Mountain, Colorado.

Contact Lt. Col. Daniel Epright, 508-968-3334
www.pavepaws.org

Air Force Center for Environmental Excellence (AFCEE) Installation Restoration Program

The Installation Restoration Program, managed by AFCEE, is responsible for the investigation and cleanup of contamination from past military practices at the MMR. The program has managed the cleanup of 79 source areas and 14 groundwater plumes. AFCEE is currently treating 12 million gallons of groundwater per day.

Contact Doug Karson, 508-968-4678, ext. 2
www.mmr.org

U.S. Department of Agriculture

The U.S. Department of Agriculture operates an Animal and Plant Health Inspection Service (APHIS) that protects plants and helps to quarantine pests and plant diseases. The MMR facility is one of only three regional APHIS centers. They study pests such as the Asian longhorn beetle, the Japanese beetle and the gypsy moth.

Contact Vic Mastro, 508-563-9303 x 212
www.aphis.usda.gov/

Environmental Management Commission

The Environmental Management Commission and its staff, with the assistance of two advisory councils, monitors military and other activities in the Upper Cape Water Supply Reserve (the northern 15,000 acres of the MMR). The purpose of the commission is to ensure the permanent protection of the drinking water supply and wildlife habitat on the Reserve.

Contact Mark Begley, 508-968-5127

Senior Environmental Corps

The Senior AmeriCorps Program on Cape Cod assists technical professionals on various environmental projects at the MMR and performs groundwater monitoring well restoration and mosquito trapping/control projects.

Contact Arthur Neill, 508-968-5125
www.eandrc.org/seniorenv.htm

Other Users of the MMR

- United States Air Force Auxiliary/Civil Air Patrol
- Massachusetts Maritime Academy (classrooms)
- Federal Aviation Administration, North Atlantic Region
- Bourne School System (one school)
- Coast Guard Communications Station, Boston
- Motorcycle & canine training areas for state and local police
- Northeast Regional Fisheries Training Center (Coast Guard)
- Otis Rod & Gun Club



Quick Guide

to the Massachusetts Military Reservation

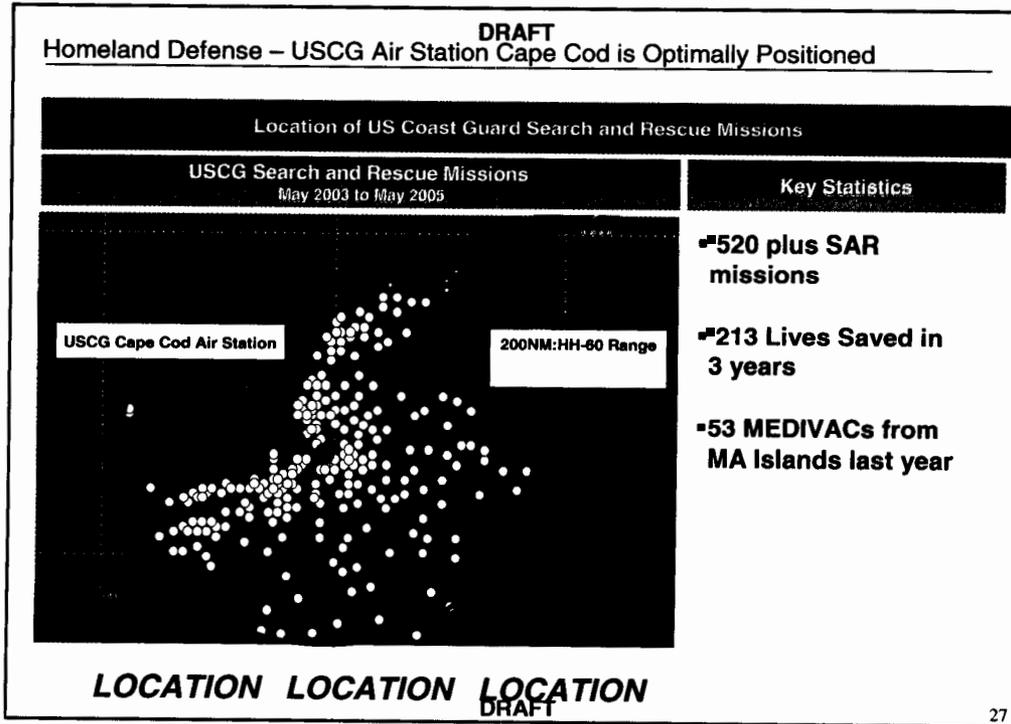


Produced by the Environmental & Readiness Center
Your Link For Information
www.eandrc.org

102nd Fighter Wing

SEAGULL

Special
Sept. 11, 2001
Anniversary Edition



DRAFT

Agenda

- Executive Summary
- Military Value
- Cost Savings
- Homeland Defense
- **Recommendations to the BRAC Commission**

DRAFT

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Findings – Lost Opportunities DRAFT



Air Force BRAC 2005 Process

How we got here

Joint Cross-Service Groups

Capacity Analysis	Military Value Analysis
-------------------	-------------------------

↩ ↪ ↩ ↪

Military Departments

Capacity Analysis	Military Value Analysis
-------------------	-------------------------

Source: BCEG Minutes

DRAFT 29

Conclusion DRAFT

- **SUBSTANTIAL DEVIATIONS in DoD's BRAC Process**
 - **Incorrect Military Value Score - Otis ANGB ranks 27th in Fighter MCI**
 - **Incorrect COBRA data - Cost savings \$18M not \$336M**
 - **Ignored BRAC law – No consideration for “leave behind” costs**
 - **Homeland Defense - Ignored in MCI and under-valued overall**
- **ANALYSIS – Facts do not support DoD's recommendation**

DRAFT 30

**U. S. Coast Guard
AIR STATION CAPE COD**

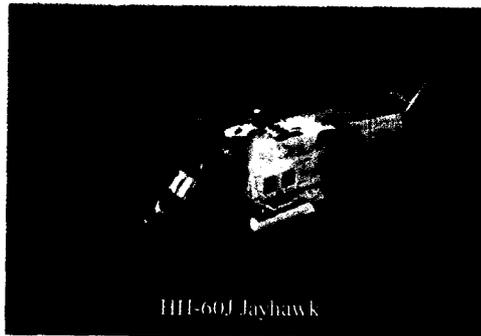
- 1 of 26 Coast Guard Air stations; the only CG air unit in the northeast.
- Area of Responsibility: Northern NJ to Canadian border (275 nm offshore).
- Current (Otis) location since 1970. Combined smaller detachments from Salem MA and Quonset Pt, RI. (obsolescence of seaplanes resulted in current site).
- 24 x 7 alert helicopter and fixed wing response posture.
- Support to all Coast Guard missions in New England & New York.

Major Concerns regarding loss of 102nd Fighter Wing –

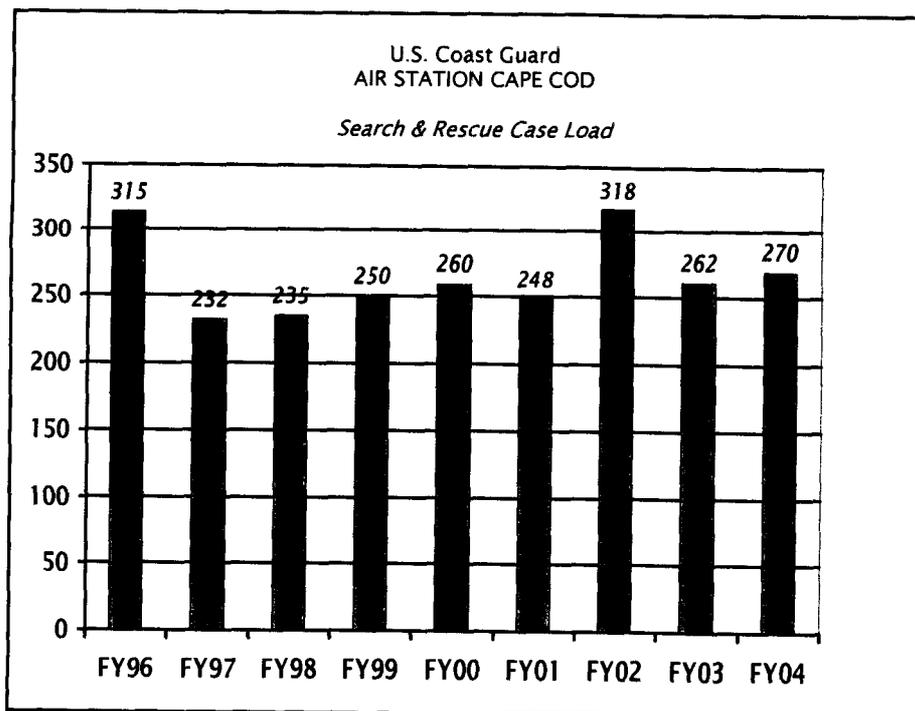
- Inability of Coast Guard to operate airfield.
 - All CG Air Stations are tenants to others (DOD/Commercial).
 - Air field costs are out of our league.
 - 1 location (Sacramento, CA / formerly McClellan AFB) where CG is sole user of airfield and costs are prohibitive.
- Relocation issues
 - Otis is THE OPTIMUM location for response aircraft to New England AOR.
 - Moving any further south jeopardizes response to coastal and offshore Maine.
 - Any further north makes distances to the dense boating region of Long Island and critical ports such as New York problematic.
 - From an inland location or any further west we would be unable to reach our distant offshore rescues.
 - Low visibility (over water in and out routes) in low freezing weather available from Cape geography.
 - Operational need for all weather multiple runways (min 7000ft).
 - Inability to duplicate total response posture from any other single location (would likely require dual units) (\$).
 - Cost of construction/relocation (\$).
- Non-aviation support issues
 - CG Air Station including housing area, medical clinic, Child care center, Recreation, and other CG units are tenants to utilities network.
 - Other CG Tenants include: Northeast Regional Fisheries Training Center, Long range CG Communications Station, Port Security Unit 301, MSST, Marine Safety Field Office.
 - All above are dependent on 102nd as landlord and are further jeopardized by relocation of Air Station aircraft and personnel.

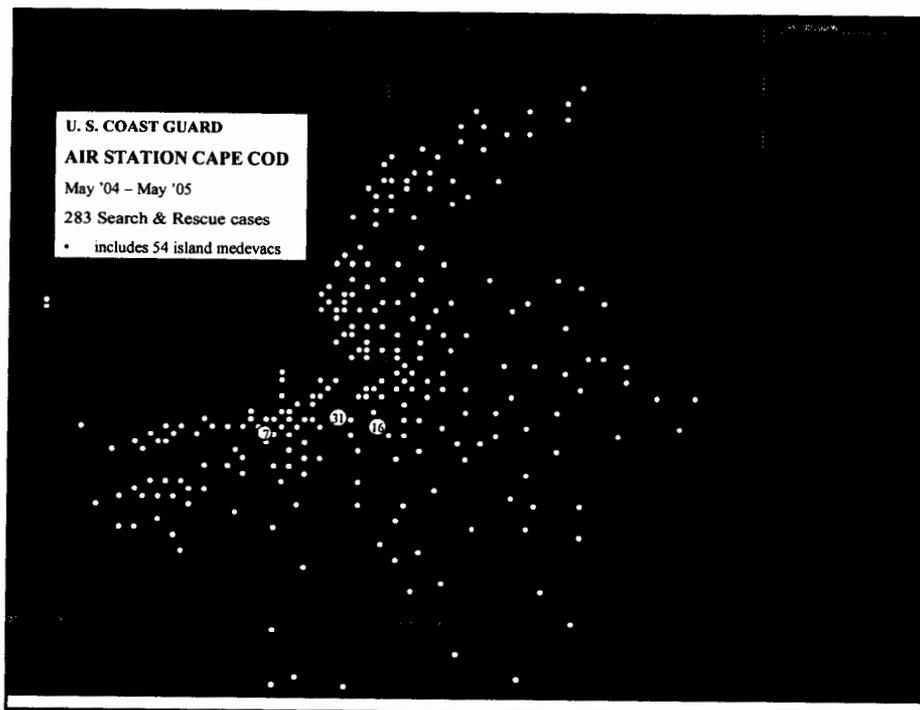
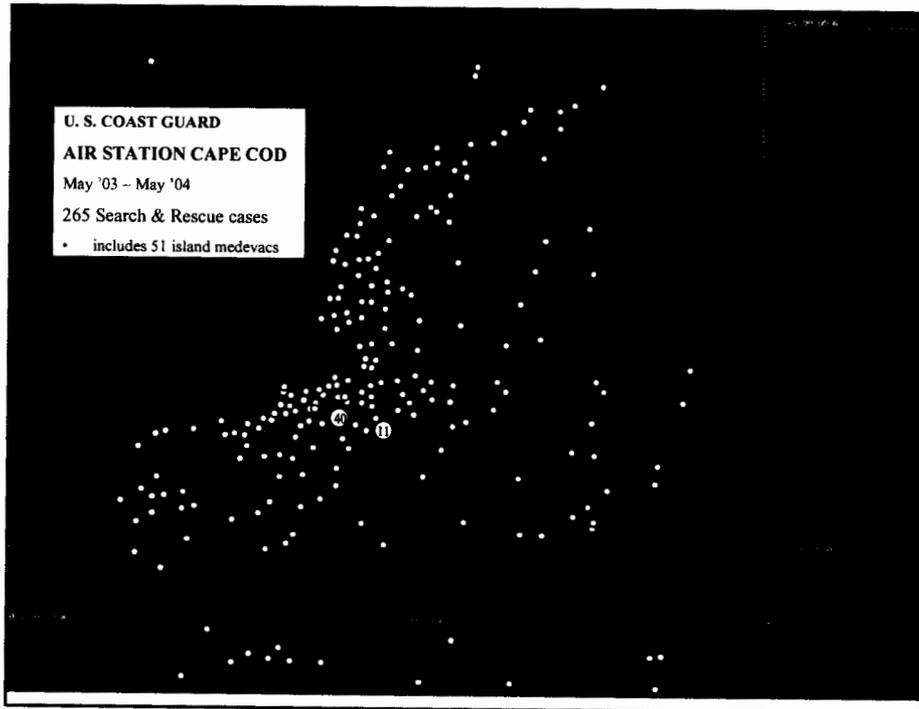
**U. S. Coast Guard
AIR STATION CAPE COD**

- 4 HH-60J Helicopters and 4 HU-25 Falcon Jets
 - 6000 annual flight hours
- SEARCH & RESCUE
- HOMELAND SECURITY
- FISHERIES LAW ENFORCEMENT
- AIDS TO NAVIGATION SUPPORT
- COUNTER NARCOTICS/MIGRANT INTERDICTION
- MARITIME TACTICAL VERTICAL DELIVERY TRAINING SITE



- 617 Family Housing Units
 - Housing for all Uniformed Services in SE New England
- CG's 3rd busiest Medical Clinic
 - 20K+ visits/yr
 - Exclusive MTF in area

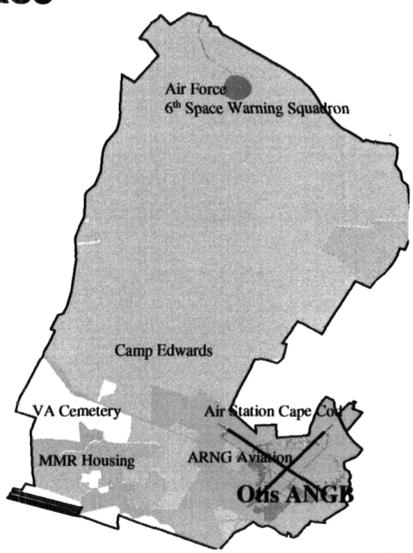




DRAFT

Otis Air National Guard Base

**BRAC Commission Hearing
6 July 2005
Boston, MA**



DRAFT 1

Executive Summary

- 31 May Brief – SUBSTANTIAL DEVIATIONS in Otis overall rating**

- VALIDATE those deviations**
 - Actual Military Value & MCI Score**
 - Actual Cost Savings**
 - Impact to Homeland Defense**

DRAFT

Agenda

Executive Summary

→ **Military Value**

Cost Savings

Homeland Defense Mission

Recommendations to the BRAC Commission

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Military Value – Three major issues

- 1

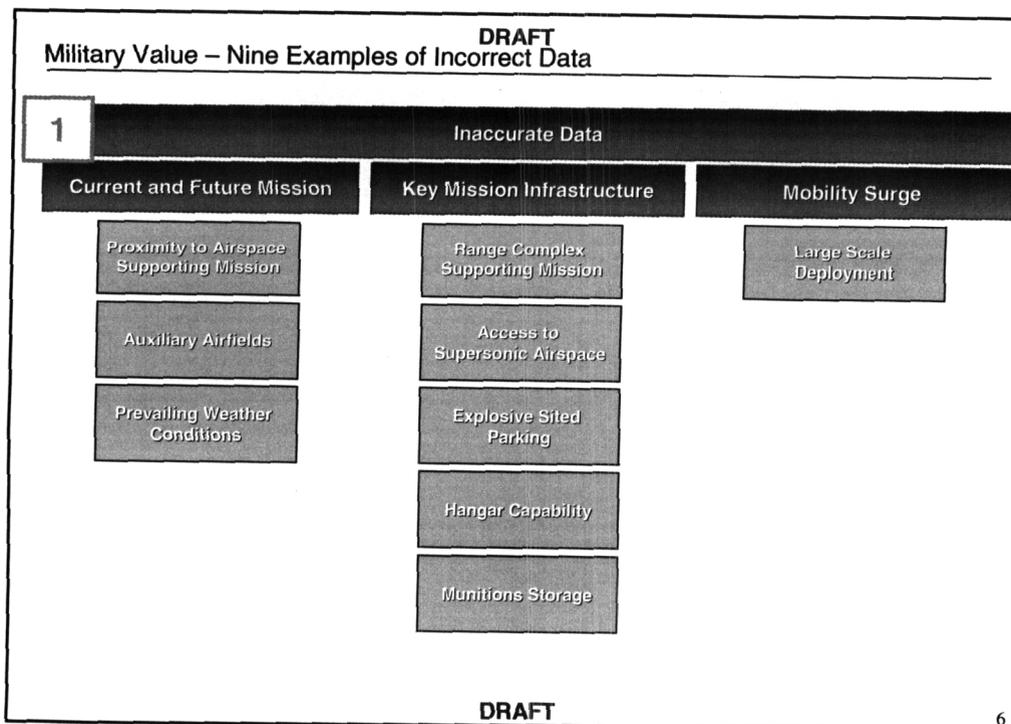
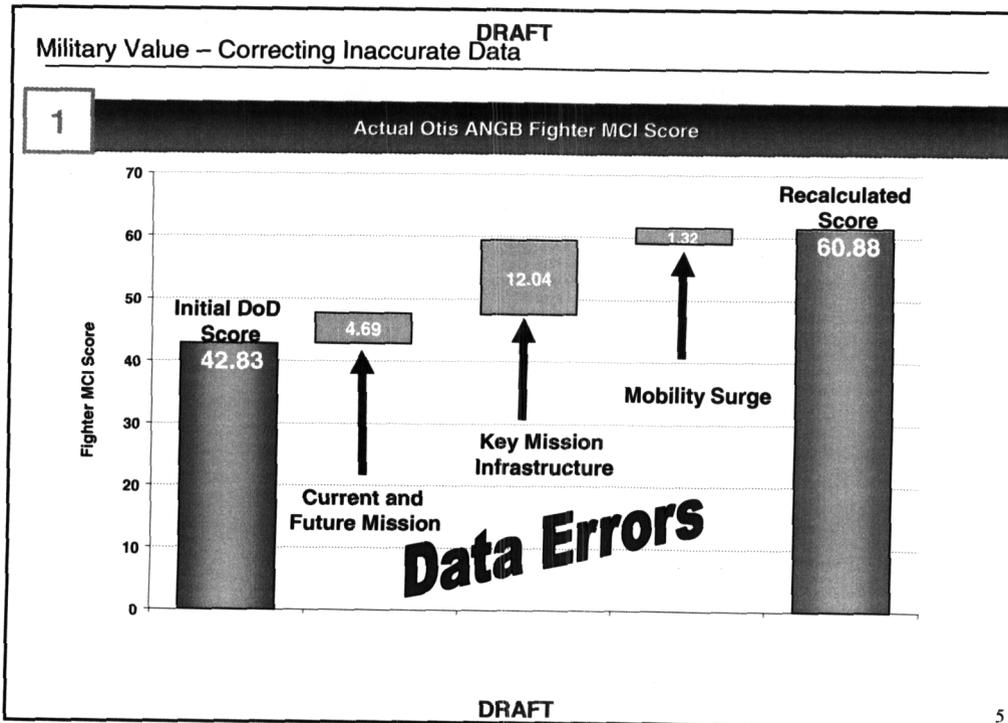
Incorrect data was used to calculate Otis ANGB's MCI score
- 2

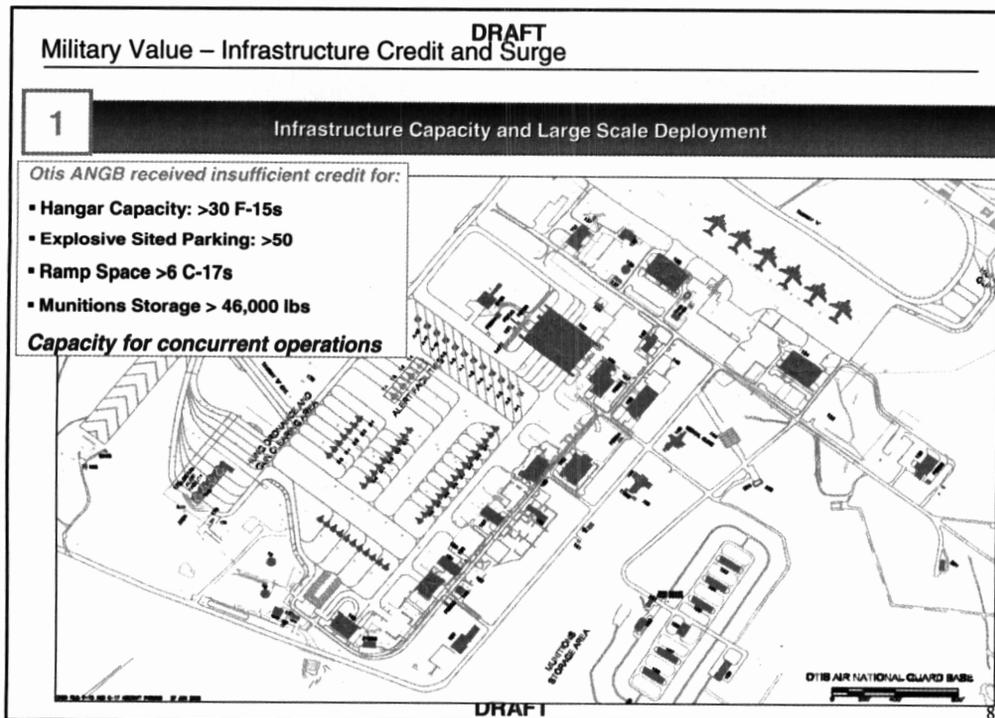
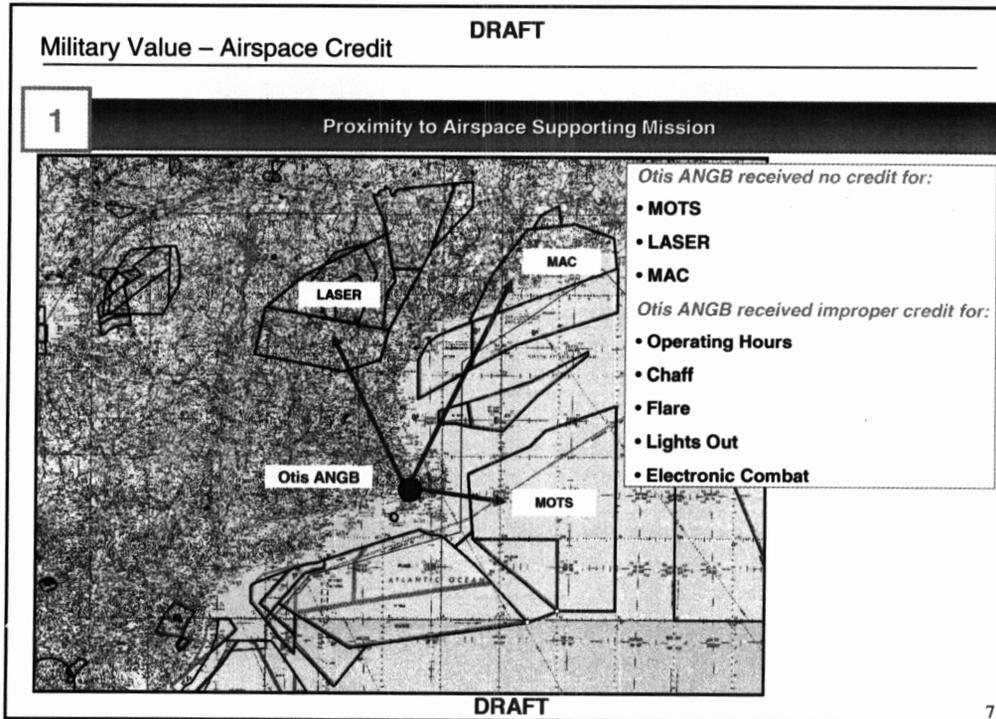
Flawed methodology was used for evaluating training ranges
- 3

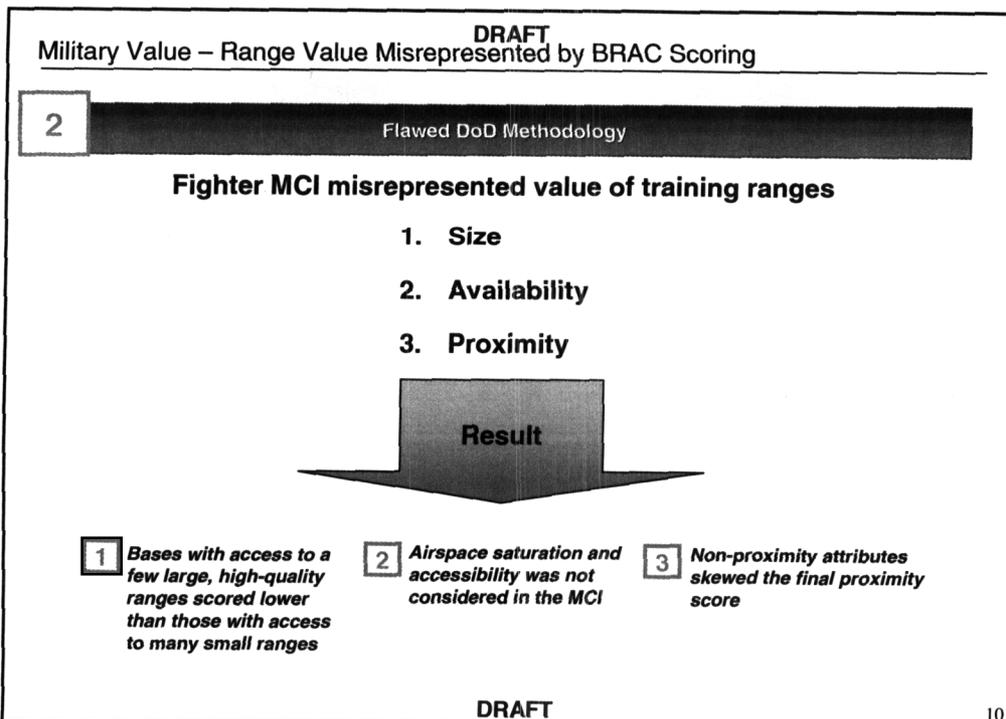
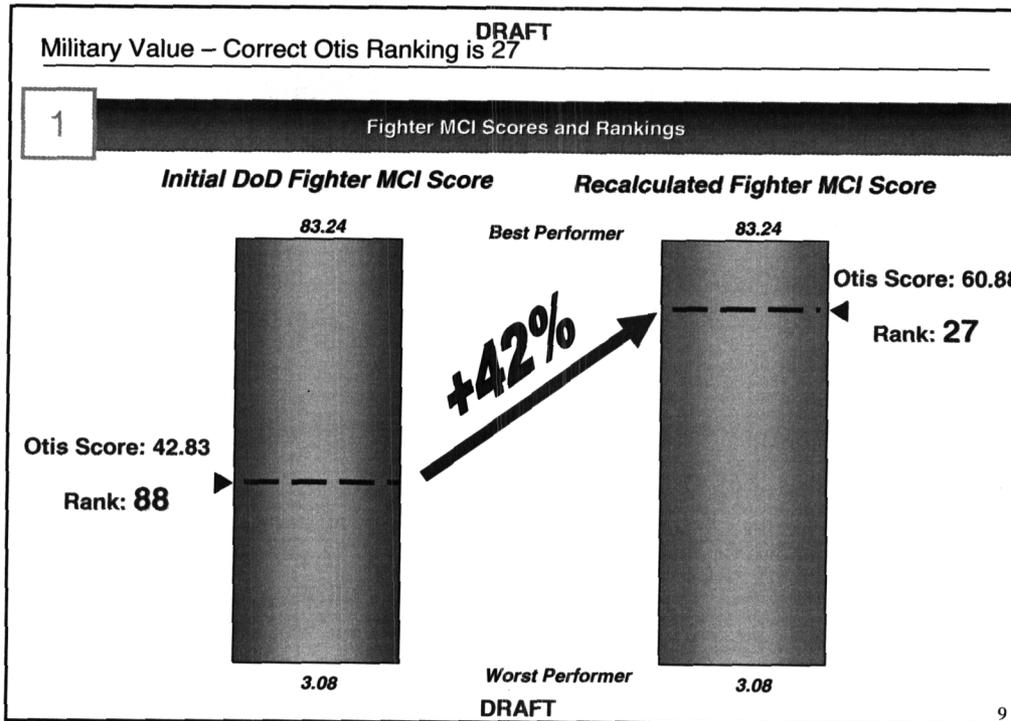
Emphasis on training ignored strategic military value and homeland defense

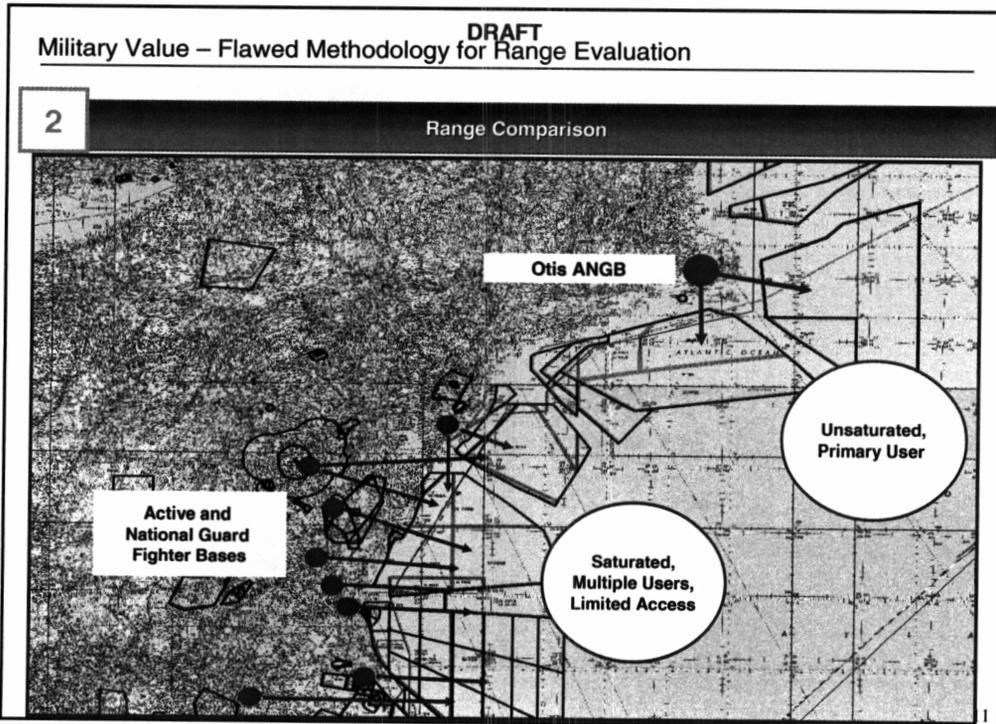
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4









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Military Value – AF Selection Criteria Ignored Homeland Defense

3 BRAC Selection Criteria

Criteria	Weight	Major Sub-Criteria
Current and Future Mission	46.0%	<ul style="list-style-type: none"> •*ATC Restrictions •*Prevailing Weather •*Proximity to Airspace •*Proximity to Low Level Routes
Condition of Infrastructure	41.5%	<ul style="list-style-type: none"> • Munitions Storage • Hangar Capability • Explosive-Sited Parking • Range Complex
Contingency, Mobilization, Future Forces	10.0%	<ul style="list-style-type: none"> •*Fuel Dispensing Rate • Attainment / Emission Budget • Buildable Acres
Cost of Ops / Manpower	2.5%	<ul style="list-style-type: none"> •*Area Cost Factor • BAH Rate •*GS Locality Pay Rate

} Homeland Defense Not Considered

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12

Homeland Defense – Introduction DRAFT

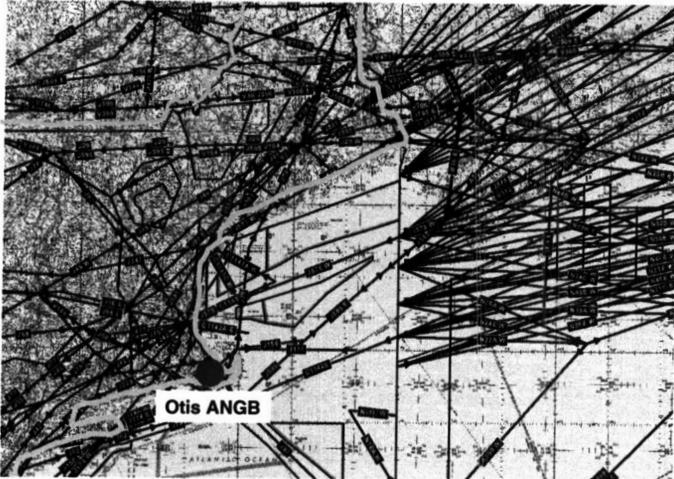
“The US Government has no more important mission than protecting the homeland from future terrorist attacks”

-President George W. Bush

DRAFT 23

Homeland Defense – Strategic Location of Otis ANGB DRAFT

International Air Routes



Analysis

- Monthly Average: 16,000 International Flights
- Monthly Average: 442 Flights of Interest (FOI)
- FOI Triggers:
 - Point of origin
 - Carrier
 - Watch List

LOCATION LOCATION LOCATION

DRAFT 24

