

DAVIS-MONTHAN AIR FORCE BASE & THE TUCSON METRO AREA:



Partners
in ONE
Community



DAVIS-MONTHAN AIR FORCE BASE & THE TUCSON METRO AREA: PARTNERS IN ONE COMMUNITY

Davis-Monthan Air Force Base (AFB) has been a part of Tucson's history for ninety years. Named after Lieutenant Samuel H. Davis and Lieutenant Oscar Monthan, the base has played an essential role in training our military aviators since 1925. Located near some of the best training airspace and facilities in the nation, the base has continued to accomplish its mission successfully with the support of the nearby community. Davis-Monthan AFB's primary mission is to train attack pilots and is the host for major tenants such as the Twelfth Air Force, the 563rd Rescue Group, and the 309th Aerospace Maintenance and Regeneration Group, commonly referred to as "the boneyard" by many in the local community.

Davis-Monthan AFB is considered an integral part of Tucson and the surrounding region. Military and civilian leaders are committed to work together to achieve cooperative land use planning, so that future growth and development are compatible with the training and operational missions of the base. The *Partners in One Community* brochure was developed as a part of a 2015 encroachment management study conducted at the base that considered areas of shared interest between Davis-Monthan AFB and the surrounding communities. The study is part of the base's ongoing efforts to sustain its national security mission and support the long-term vision for its neighbors. This document highlights actions that the base and the community can take to enhance community sustainability while preserving the mission of Davis-Monthan AFB.

COMMUNITY

Davis-Monthan AFB and the personnel stationed there enjoy ongoing and enthusiastic support from the surrounding communities. The base benefits the Tucson region as an active community partner. Base personnel volunteer with local schools and nonprofit organizations, hosting air shows, and annual Prisoners of War/Missing in Action Remembrances. The base also hosts an annual "Boneyard" Run that is open to the public. The community supports Davis-Monthan AFB by frequently recognizing the Airmen and their families who serve on the base. The base remains committed to looking for ways to sustain the strong relationships already enjoyed with Tucson and the surrounding communities.

MISSION

Davis-Monthan AFB and its Host Wing, the 355th Fighter Wing, are responsible for training and deploying A-10 Thunderbolt pilots. Flying units based at Davis-Monthan AFB use airspace throughout the

southwestern United States, with most of their training conducted in the skies over southern Arizona. The local climate makes the base an ideal location for year-round training. The Total Force Training Program at the base attracts active, reserve, and Air National Guard units from across the nation, and military pilots from partner nations. This training capitalizes on the surrounding airspace and the Barry M. Goldwater Range that mirror the environments found in many deployed locations. See pages 4 and 5 for a more detailed description of Davis-Monthan AFB's mission.

ECONOMY

As of 2014, Davis-Monthan AFB and its mission partners employed over 9,000. Davis-Monthan AFB contributes significantly to Arizona's economy, with the majority of economic impact concentrated in Pima County. The substantial footprint of Arizona's military installations also attracts complementary research and technology businesses that, in turn, support the base's mission.

Total Payroll	\$541.8 million
Total Non-Payroll Expenditures	\$253 million
Est. Annual Dollar Value of Jobs Created	\$178.9 million
Retirees	\$513 million
Grand Total	\$1.48 billion

Source: 355th Fighter Wing, Davis-Monthan AFB Fiscal Year 2014 Economic Impact Analysis.

ENVIRONMENT

Tucson is located in the Santa Cruz River Floodplain in the Sonoran Desert. The city rests in the valley of the Santa Catalina, Tortolita, Rincon, Santa Rita, and the Tucson Mountains. The climate of Tucson, characteristically cooler and wetter than Phoenix due to its higher elevation, is generally hot in the summer and moderate in the winter. Tucson's abundance of natural resources provides a wide range of recreational opportunities on publicly accessible lands in the region. There are many natural areas to explore in the vicinity of Davis-Monthan AFB, including deserts, mountains, and riparian areas. One staple of Tucson's landscape, the saguaro cactus, is known for its life span of more than 200 years. Other notable residents of Tucson's desert are the Gila monster, nocturnal rattlesnakes, coyotes, and mountain lions.



“The partnership between Davis-Monthan Air Force Base and Tucson has strong roots and a rich history. Both Tucson and D-M have seen many transitions and developments throughout the years and have maintained a mutually supportive relationship. D-M is vital to our country's national security structure, and we are grateful for the continuous community support. As the commander, I'm thankful that my Airmen are able to live, work, and play amid the natural beauty of the Old Pueblo where they are welcomed as neighbors.”

- James Meger, Colonel, USAF,
Commander, 355th Fighter Wing

Retired Chief Warrant Officer Robert Hertel (second from right), 92-year-old World War II veteran, places his hand on the side of a P-47 Thunderbolt for the first time in years with the assistance of (left to right) Charles Hainline and Tom Gregory, both P-47 Thunderbolt Heritage Flight pilots, and U.S. Air Force General Hawk Carlisle, Commander of Air Combat Command, at Davis-Monthan AFB. Hertel visited the aircraft he flew during World War II, up close and personal, during the 2015 Heritage Flight Training and Certification Course.

DAVIS-MONTHAN AFB AND THE COMMUNITY

COMMUNITY SNAPSHOT

Tucson is the largest city in Pima County and the second most populated city in Arizona. Tucson has a wide variety of recreational, heritage, and cultural offerings that enrich the lives of residents and visitors. Tucson is home to many museums that highlight the region's rich history and a thriving desert habitat that provides opportunities for hiking and wildlife observation throughout the year.

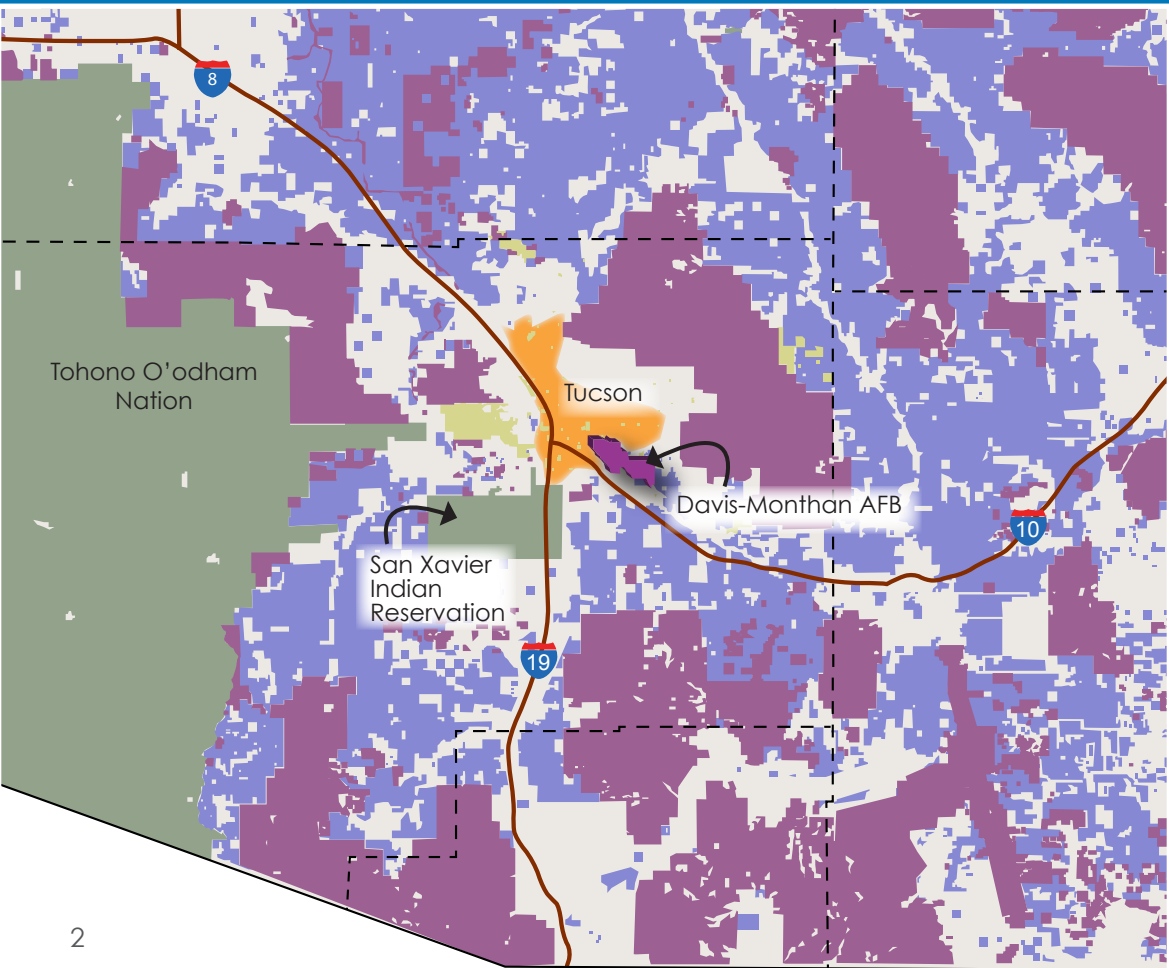
UNIVERSITY OF ARIZONA

Founded in 1885, the University of Arizona is the state's most prestigious research university. More than 40,000 graduate and undergraduate students attend the state's flagship public university. While its athletic programs are well-known, the university's faculty includes Nobel and Pulitzer Prize winners. One of the best highlights of the relationship between the University of Arizona and Davis-Monthan AFB is the Welcome Home Heroes ceremony that is performed at the university's football games. The ceremony recognizes service members who recently returned home with exemplary records from operational deployments.

U.S. Air Force members stand on the field during a "Welcome Home Heroes" ceremony during the halftime of a University of Arizona football game. The ceremony recognizes military personnel who have recently returned home from deployments.



LAND OWNERSHIP



Pima County includes more than 1.8 million acres of federal lands that are owned and managed by the Bureau of Land Management, Department of Defense, and U.S. Fish and Wildlife Service. In addition to federal lands, more than 760,000 acres are owned by the Arizona State Land Department.

These lands consist of several protected expanses, such as wilderness study areas, the Saguaro National Park, and the Las Cienegas National Conservation Area. In addition, other areas have been designated for recreational activities such as hiking, biking, bird watching, and fishing.

Key

- Federal Land
- State Land
- Local Government Land
- Native American Land
- City of Tucson



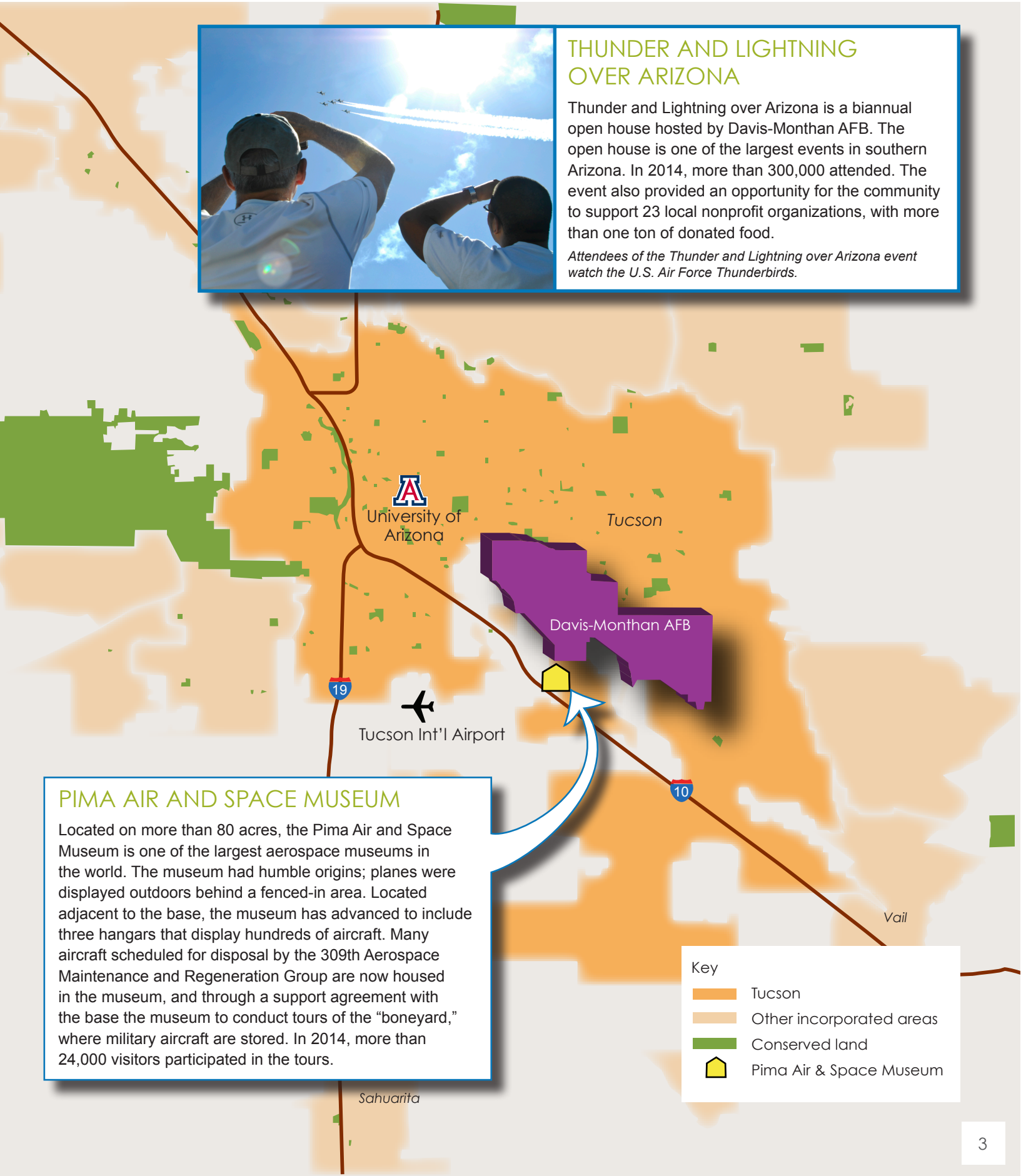
THUNDER AND LIGHTNING OVER ARIZONA

Thunder and Lightning over Arizona is a biannual open house hosted by Davis-Monthan AFB. The open house is one of the largest events in southern Arizona. In 2014, more than 300,000 attended. The event also provided an opportunity for the community to support 23 local nonprofit organizations, with more than one ton of donated food.

Attendees of the Thunder and Lightning over Arizona event watch the U.S. Air Force Thunderbirds.






PIMA AIR AND SPACE MUSEUM

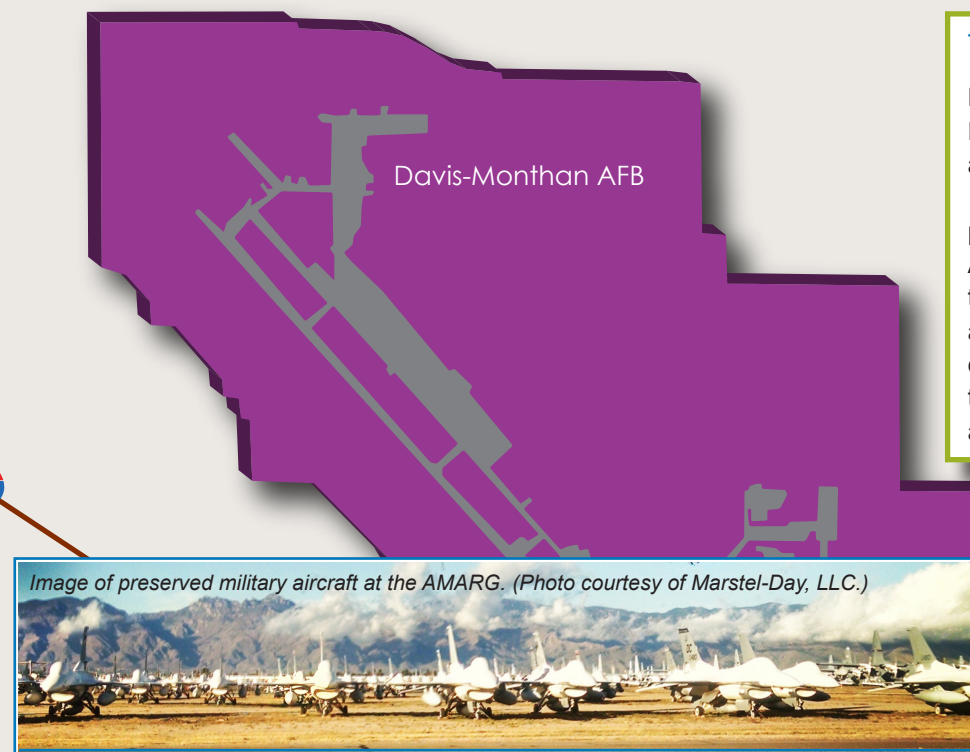
Located on more than 80 acres, the Pima Air and Space Museum is one of the largest aerospace museums in the world. The museum had humble origins; planes were displayed outdoors behind a fenced-in area. Located adjacent to the base, the museum has advanced to include three hangars that display hundreds of aircraft. Many aircraft scheduled for disposal by the 309th Aerospace Maintenance and Regeneration Group are now housed in the museum, and through a support agreement with the base the museum to conduct tours of the "boneyard," where military aircraft are stored. In 2014, more than 24,000 visitors participated in the tours.



THE DAVIS-MONTHAN AFB MISSION

DAVIS-MONTHAN AFB

-  The 355th Fighter Wing (355 FW) is the host unit at Davis-Monthan AFB, and its mission is to deploy, employ, support, and sustain attack airpower for combatant commanders anywhere in the world at a moment's notice. The 355 FW also trains the finest attack pilots for the Combat Air Forces.
-  Headquarters Twelfth Air Force (12 AF) is responsible for the combat readiness of eight active-duty wings and one combat construction unit. These commands operate approximately 600 combat aircraft with more than 55,000 uniformed and civilian Airmen. The 12 AF is in charge of air operations for the U.S. Southern Command and is responsible for providing air support for U.S. military involvement and partnerships across Central America, South America, and the Caribbean.
-  The 563rd Rescue Group is dedicated to combat search and rescue and is part of the Air Force's only active-duty rescue wing.
-  The 55th Electronic Combat Group provides combat-ready aircraft, crews, maintenance, and operational support to combatant commanders. The group also plans and executes information operations, including information warfare and electronic attack, in support of our armed forces throughout the globe.
-  The 162nd Wing (162 WG) is an Arizona Air National Guard unit primarily located at Tucson International Airport. Davis-Monthan AFB hosts three units of the 162 WG, one of these units are tasked to support *Operation Noble Eagle* by providing a rapid reaction force ensuring our skies are protected over the southwest region of the United States.




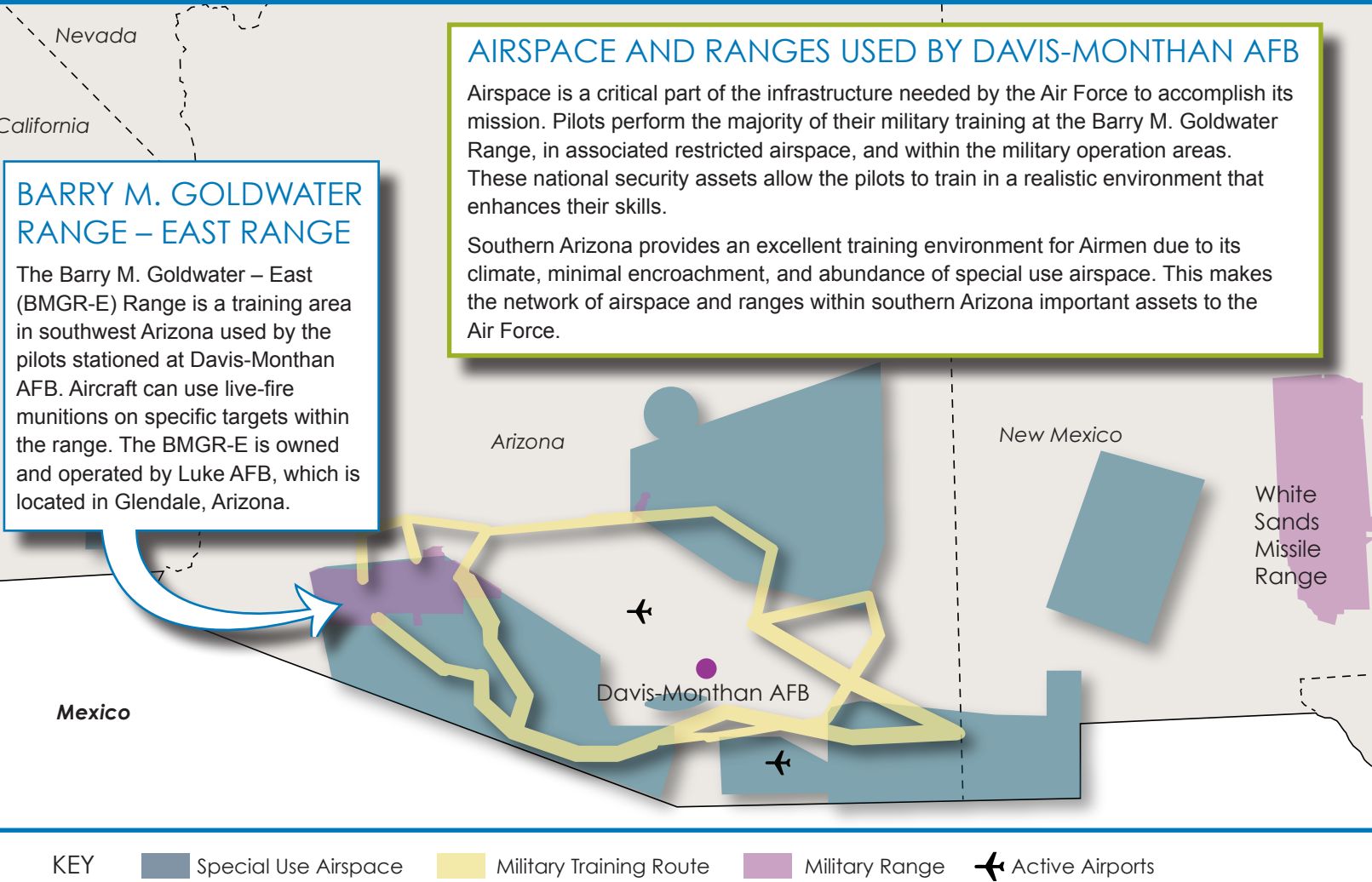
TOTAL FORCE TRAINING

Davis-Monthan AFB now hosts Total Force Training, which was formerly known as *Operation Snowbird* and initiated in 1975 as a way to train Air National Guard pilots based in the northern states. The Air Force is returning to historic levels of training flights that visiting units and pilots are allowed to conduct at the base. An environmental assessment report found that there was no significant impact associated with this training.



309TH AEROSPACE MAINTENANCE AND REGENERATION GROUP

-  The 309th Aerospace Maintenance and Regeneration Group (309 AMARG) is the largest mission partner at Davis-Monthan AFB. The 309 AMARG operates a one-of-a-kind specialized facility that provides storage for our nation's military aircraft. Known by many as the "boneyard," the facility provides critical aircraft maintenance and regeneration capabilities to all branches of the U.S. military and our allies around the world.



U.S. CUSTOMS AND BORDER PROTECTION, OFFICE OF AIR AND MARINE

U.S. Customs and Border Protection, Office of Air and Marine (OAM) under the Department of Homeland Security has an elite aviation/border security component at Davis-Monthan AFB. The Tucson Air Branch is the largest and one of the busiest field branches in the OAM and patrols 262 miles of the U.S. Border with Mexico from the New Mexico State Line to Yuma County. OAM applies advanced aeronautical and maritime capabilities in order to preserve America's border security interests. With 1,200 federal agents, 267 aircraft and 283 marine vessels operating from 91 locations, OAM uses its sophisticated fleets to detect, sort, intercept, track and apprehend criminals in diverse environments at and beyond the U.S. border. OAM and the Air Force are working on coordinating operations that could potentially pose safety risks.



ANGEL THUNDER

Angel Thunder is the world's largest and most realistic joint service, multinational, interagency combat search-and-rescue exercise. It provides a realistic exercise that simulates many personnel rescue scenarios. The 8th annual iteration of the exercise was held from May 30th to June 13th, 2015. The exercise involved 3,000 participants, 9 nonmilitary agencies, and 11 international partners. The exercise occurred throughout Arizona, southern California, and southeast New Mexico.

Left: Airmen from the 355th Medical Group wait to load a simulated victim of a simulated aircraft crash during *Angel Thunder*.

SHARED INTEREST, SHARED ACTION

Davis-Monthan AFB strives to be a good neighbor by building and maintaining relationships with community stakeholders and collaborating on important issues. These strong relationships benefit everyone in the Tucson region. Through partnerships and collaborative efforts, Davis-Monthan AFB and the surrounding communities can continue to

- identify mutually beneficial opportunities,
- leverage resources,
- resolve common issues, and
- strengthen communication.

This section highlights several areas of shared interest between Davis-Monthan AFB and the community. We welcome your comments and questions—please see the contact information listed on the back of this publication.

COMMUNITY SUPPORT

Davis-Monthan AFB hosts many forums for base personnel and community members to develop relationships and resolve issues of mutual concern. The Davis-Monthan Tucson Valley Council consists of federal, state, and local elected officials who meet quarterly to identify common interests of the civilian and military communities and to support collaborative efforts to address mutual concerns. Another supportive organization is the Military Community Relations Committee, which serves as a permanent forum for dialogue, information sharing, and problem solving among Davis-Monthan AFB, local government, neighborhoods, nonresidential landowners, and other stakeholders. The committee was formed in 2007 as a result of the recommendations from the Military Community Compatibility Committee and from base support.

Davis-Monthan AFB is one of several Air Force bases across the country participating in the Air Force Community Partnership Program. The Air Force Community Partnership Program is designed to leverage military and local community capabilities and resources to obtain value and benefit in support of the Air Force mission. This program explores cost-saving opportunities through innovative partnerships and shared services with local communities, government agencies, and businesses. It consists of a series of meetings between the community and the base that sets the stage for long-term collaboration. The University of Arizona, Pima County, City of Tucson, and other local participants have participated in this process and are working towards partnerships with the base.



Leaders from the University of Arizona, the community, and Davis-Monthan AFB participate in a workshop as part of the Air Force Community Partnership Program. The workshop was held at the University of Arizona's Old Main building on campus. (Photo courtesy of Marstel-Day, LLC.)



U.S. Air Force Colonel James Meger, 355th Fighter Wing commander, signs the newest memorandum of understanding between the Tucson Police Department and 355th Security Forces Squadron at Davis-Monthan AFB.



Sergeant Loraine Goody speaks with a veteran at Atria Bell Court Gardens Retirement Community in Tucson. Fifteen Airmen from Davis-Monthan AFB volunteered to spend time with the veterans to honor their service and to learn about their experiences.

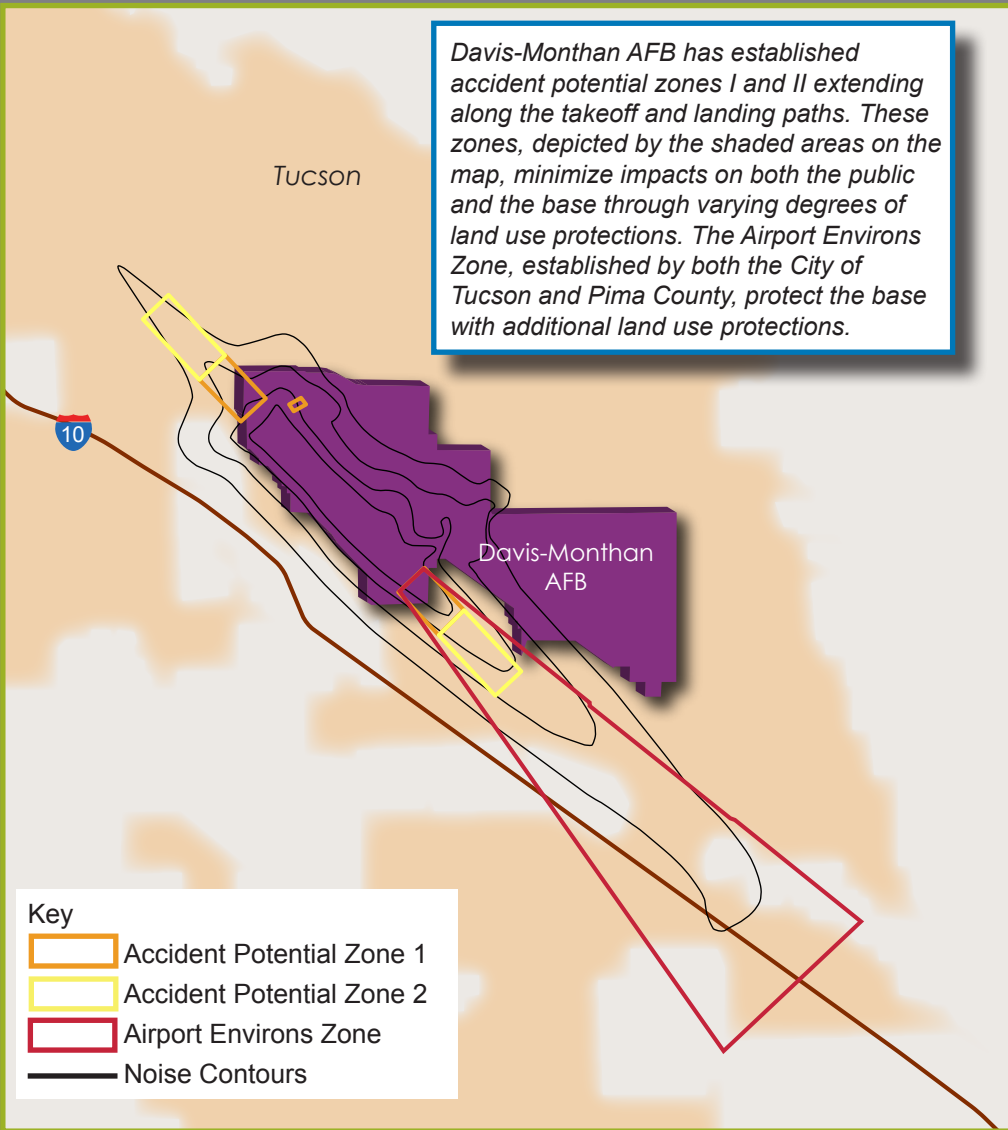


Technical Sergeant Jonathan Roe, 55th Electronic Combat Group Chinese linguist, and Hsin-Fen Chang, International School of Tucson Chinese teacher, recite a Chinese poem with students at the International School of Tucson.

COMPATIBLE LAND USE

Davis-Monthan AFB and the local community have a strong relationship that encourages growth compatible with the base's mission. In February 2004, the State of Arizona, in collaboration with Pima County and the City of Tucson, published the Davis-Monthan AFB Joint Land Use Study (JLUS). The JLUS was established to help sustain a collaborative planning process between the community and the base. This process reduced the chance that development incompatible with the training mission at Davis-Monthan AFB would occur around the base. To help support this effort Pima County authorized \$10 million to achieve land use compatibility by purchasing 461 acres near the base that was primarily identified as open space. Within this area, land was acquired by Pima County and zoning regulations put into place to help sustain the base's mission.

The guidelines outlined in the JLUS are enduring and help inform future planning decisions. One of the primary recommendations of the study was to focus on compatible development within the southern approach and departure corridor for the base's runway. For more information regarding the JLUS, a copy of the document can be found at: <http://www.dm.af.mil/shared/media/document/AFD-070306-011.pdf>.



AIRBORNE NOISE

Davis-Monthan AFB has worked to balance training with reducing the impact of noise on its neighbors. The base observes quiet hours throughout the year in an effort to minimize noise. The base's procedures were specifically developed to address community concerns. In addition, the base requires aircraft to remain at higher altitudes while approaching from the north, which minimizes the noise experienced by the base's neighbors in Tucson. When possible, aircraft are directed to depart from the south end of the base. Units from the Air Force and global partners that are visiting for Total Force Training are not allowed to conduct "pattern work," which involves aircraft repeatedly circling around the base. Lastly, the base's Public Affairs office tracks and logs every individual noise complaint and provides responses when necessary.



Two F-16 Fighting Falcons prepare to take off from Davis-Monthan AFB. Ten jets and 150 South Dakota Air National Guardsmen traveled to Davis-Monthan AFB to take part in a training exercise.

BUFFELGRASS

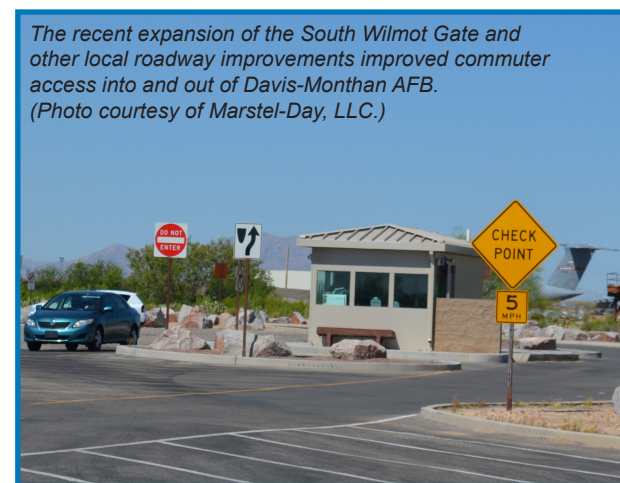
Buffelgrass is a nonnative, invasive species that poses fire risks and threatens native plant habitat. It is a fire fuel source that burns hotter and grows much more densely than Tucson's native vegetation. Buffelgrass spreads quickly and competes with native species for space, limited water, and nutrient supplies. There are active efforts to remove buffelgrass on Davis-Monthan AFB. The Southern Arizona Buffelgrass Coordination Center, located in Tucson, provides regional information on coordinated management approaches for buffelgrass in southern Arizona. A baseline survey was completed to determine the extent of buffelgrass on the base, and a campaign plan and volunteer-events schedule have been developed to assist with buffelgrass removal. Coordination is essential between the base and the community to manage this fast-growing, invasive species.



A contractor removes buffelgrass, an invasive species that grows quickly on Davis-Monthan AFB and throughout the southern Arizona region.

TRAFFIC MITIGATION – WILMOT GATE

Leaders from Davis-Monthan AFB and the Tucson Valley came together to reduce traffic congestion by improving commuter access to the base. In 2012, the base won the prestigious Department of Defense Commander-In-Chief Award, which recognizes outstanding and innovative efforts to enhance mission performance and quality of life at military installations. The \$1 million award was applied to base improvement projects, including expanding the South Wilmot Gate. In addition, the Pima Association of Governments and Pima County provided the funds to improve Valencia Road, which is the primary corridor to the Wilmot Gate. This coordinated effort helped redistribute approximately 1,000 vehicles per day that enter the base and helped alleviate traffic congestion.



The recent expansion of the South Wilmot Gate and other local roadway improvements improved commuter access into and out of Davis-Monthan AFB. (Photo courtesy of Marstel-Day, LLC.)

RENEWABLE ENERGY

Davis-Monthan AFB is leading Air Force efforts to increase the use of renewable energy. The base has installed a 16.4-megawatt solar project that satisfies 35 percent of its energy needs. The base saves more than \$500,000 of taxpayer funds annually through reduced energy costs. The project reduces the base's carbon footprint and improves environmental compliance. This helps Arizona meet its renewable energy goals and reduce overall greenhouse gas emissions.

Davis-Monthan AFB supports the development of renewable energy, including wind energy development, and related infrastructure, when it is compatible with mission operations. The base encourages project developers to coordinate through the DOD Siting Clearinghouse to determine their project's compatibility with DOD missions, and impacts to airspace, ranges, and installations. To enhance this process, the base participates in the DOD Siting Clearinghouse process, which allows for a thorough evaluation of renewable energy projects and their potential impact on military operations. The DOD Siting Clearinghouse provides a single point of contact for renewable energy developers (<http://www.acq.osd.mil/dodsc/>). Another online program, the Federal Aviation Administration (FAA) Obstruction Evaluation/Airport Airspace Analysis (OE/AAA) tool, is available to further assist in the early identification of projects that could affect the safe and efficient use of the National Airspace System, requiring a Notice of Proposed Construction, and that, therefore, could have an adverse impact on military operations. The website address is <https://oeaaa.faa.gov>.

Right: Davis-Monthan AFB's solar array.



EMERGENCY PREPAREDNESS

Davis-Monthan AFB plays an important role in facilitating emergency preparedness throughout the Tucson Valley. The base provides a spectrum of emergency services including fire suppression and medical and hazmat response. The Tucson Valley Community and Davis-Monthan AFB have entered into several mutual aid agreements that allow for combining resources to help with emergencies that affect the community and/or the base. These mutual aid agreements extend to emergency and incident response training as well.

The base serves as a regional training site for emergency responders. These professionals come from all over the state to participate in training events that mutually benefit the base and communities that participate. Although base personnel benefit from training with senior emergency responders, communities throughout the state save money by using base facilities for training.



Left: Paramedics from the Pima County Rural/Metro Fire Department treat a simulated victim during a Natural Disaster Medical System exercise at Davis-Monthan AFB. Davis-Monthan AFB would be the primary patient-reception site in southern Arizona in the event of a real-world natural disaster response.

Below: Members of the 355th Civil Engineer Squadron Fire and Emergency Services Flight extinguish a fire during a training session at the Regional Fire and Emergency Services Training Area on Davis-Monthan AFB. The nearly five-acre training area houses mock aircraft, a simulated roof, buildings with different layouts, and a vehicle extraction pad.



NEXT STEPS

It is important that Davis-Monthan AFB and the surrounding communities continue to work together to strengthen relationships and actively address future challenges. Identifying and addressing challenges before they adversely affect the base or community is essential to sustaining the base's mission and the vitality of the region.

In addition to shared interests on the base, Davis-Monthan AFB will continue collaboration between base representatives and local airspace users to enhance safe and efficient air travel for civilian and military aircraft. The base will continue to strengthen collaborative relationships and seek working solutions that benefit all involved.

Please contact Davis-Monthan AFB with questions or inquiries, using the information on the back of this publication.



AIR FORCE ENCROACHMENT MANAGEMENT PROGRAM

The Partners in One Community brochure highlights several areas of mutual cooperation, collaboration, and coordination between Davis-Monthan AFB and the community. This brochure was developed as part of a 2015 encroachment planning analysis, conducted at Davis-Monthan AFB, which considered 13 different topics, ranging from airspace to security. The analysis process focused on managing encroachment, described as both the impact of a stakeholder's actions on current and future military activities, and the impact of the military's actions on stakeholders. Encroachment impacts from natural factors and climate effects are also considered in the analysis.

Bases around the country are completing encroachment planning analyses as part of the Air Force Encroachment Management Program. The Air Force is committed to ongoing engagement with its many community stakeholders in order to preserve mission capability, conserve environmental resources, and maintain quality of life for community residents and military personnel.

For more information, please contact:

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All photos are courtesy of the U.S. Air Force unless otherwise noted.

Created September 2015