

22nd Edition

TO WALK THE EARTH IN SAFETY

Fiscal Year 2022 | October 1, 2021–September 30, 2022

DOCUMENTING THE UNITED STATES'
COMMITMENT TO CONVENTIONAL
WEAPONS DESTRUCTION



U.S. DEPARTMENT OF STATE
BUREAU OF POLITICAL-MILITARY AFFAIRS

ON THE COVERS



Operators conduct battle area clearance in Yahidne, Chernihiv Province, Ukraine.

Image courtesy of the Swiss Foundation for Mine Action.



A member of a weapons and ammunition destruction team conducts a weapons cutting demonstration in Luena, Angola.

Image courtesy of Mines Advisory Group.

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To Walk the Earth in Safety is a publication of the Office of Weapons Removal and Abatement in the U.S. Department of State's Bureau of Political-Military Affairs (PM/WRA). PM/WRA's mission is to reduce the harmful worldwide effects of at-risk, illicitly-proliferated, and indiscriminately-used conventional weapons of war.

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Co-written, edited, designed, and produced by PM/WRA and the Center for International Stabilization and Recovery (CISR) at James Madison University.

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JAMES MADISON UNIVERSITY

CISR
Center for International
Stabilization and Recovery

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COMMONLY USED TERMS AND SYMBOLS



Cluster Munitions Remnant Survey: The application of all reasonable effort, through non-technical survey and technical survey procedures, to identify and define a confirmed hazardous area impacted by unexploded cluster munition remnants.



Explosive Ordnance Disposal: The detection, identification, evaluation, render safe, recovery and disposal of explosive ordnance.



Explosive Ordnance Disposal Callout: Investigation and disposal activity of suspected explosive ordnance(s).



Explosive Ordnance Risk Education: Activities which seek to reduce the risk of injury from mines or explosive remnants of war by raising awareness through public information dissemination, education, and training.



Explosive Remnant of War: Abandoned explosive ordnance and unexploded ordnance.



Implementing Partner: Organizations selected to implement specific grant agreements according to an agreed upon work plan.



Improvised Explosive Device: A device placed or fabricated in an improvised manner incorporating explosive material, destructive, lethal, noxious, incendiary, pyrotechnic materials or chemicals designed to destroy, disfigure, distract, or harass. They may incorporate military stores, but are normally devised from non-military components.



Landmine: An anti-personnel or anti-tank mine designed to be exploded by the presence, proximity or contact of a person and that will incapacitate, injure, or kill one or more persons or a mine designed to detonate by the presence, proximity or contact of a vehicle.



Land Cleared: A defined area cleared through the removal and/or destruction of all specified explosive ordnance hazards to a specified depth.



Land Released: The process of applying all reasonable effort to identify, define, and remove all presence and suspicion of explosive ordnance through non-technical survey and/or technical survey.



Man-Portable Air Defense System (MANPADS) and Anti-Tank Guided Missile (ATGM): MANPADS are shoulder-fired surface-to-air systems consisting of a guided missile enclosed in a launch tube, a reusable trigger mechanism ("gripstock"), and a single-use battery or battery-cooling unit. ATGMs are guided missiles primarily designed to destroy armored military vehicles, but are also used against divers static and slower moving targets.



Physical Security and Stockpile Management: Standards for arms and ammunition maintenance including monitoring of stockpiles, training of qualified experts, facility upgrades and maintenance, and long-term planning for infrastructure, resources, and procurement associated with arms and ammunition.



Stockpile Management Training: The training of personnel in physical security and stockpile management (see definition above).



Small Arms Ammunition: Cartridges ranging in size from .22 caliber through 30 millimeter that are intended for various types of handheld or mounted weapons including rifles, pistols, revolvers, machine guns, and shotguns.



Small Arms and Light Weapons: Man-portable weapons systems designed either for individual use, or by two or three persons serving as a crew. For example: handguns, grenades launchers, machine guns, etc.



Survivor Assistance: Aid, relief, and support provided to explosive ordnance survivors to reduce the immediate and long-term medical and psychological implications of their trauma.

Battle Area Clearance: The systematic and controlled clearance of hazardous areas where the hazards are known not to include mines.

Handheld Standoff Mine Detection System: A dual sensor, handheld mine detector that combines an electromagnetic induction sensor, ground penetrating radar, and sophisticated algorithms to detect landmines while rejecting most clutter, also known as false positives.

Humanitarian Mine Action: Clearance, risk education, survivor assistance, advocacy, and stockpile destruction of mines and explosive remnants of war by humanitarian organizations to restore peace and security at the community level.

International Ammunition Technical Guidelines: An internationally recognized frame of reference developed by the United Nations to achieve and demonstrate effective levels of safety and security of ammunition stockpiles.

International Mine Action Standards: The framework by which the *Anti-personnel Mine Ban Convention* and *Convention on Cluster Munitions* can be practically implemented.

Unexploded Ordnance: Explosive ordnance that has been primed, fuzed, armed, or otherwise prepared for use or used. It may have been fired, dropped, launched, or projected, yet it remains unexploded either through malfunction or design or for any other reason. This does not include landmines or stockpiled ammunition and explosives.

Weapons and Ammunition Destruction: The process of final conversion of weapons, ammunition and explosives into an inert state that can no longer function as designed.

A MESSAGE FROM ASSISTANT SECRETARY Jessica Lewis

As the fiscal year closed at the end of September 2022, I took stock of some of the incredible accomplishments of our conventional weapons destruction program. After deadly landmines are removed and booby-traps and improvised explosive devices are cleared, wheat fields are now ready for harvesting, children can run to school on a path, families can return to their partially destroyed homes, and elephants are able to migrate through grasslands. Elsewhere, man-portable air defense systems (MANPADS) and small arms and light weapons were secured or destroyed to prevent terrorists from acquiring them and attacking civilians. These are just some of the successes the U.S. Conventional Weapons Destruction Program achieves day after day, year after year, one step at a time. In fiscal year 2022, the United States again answered the call to confront the threats of landmines, unexploded ordnance, and unsecured small arms and light weapons, to make this world a better place. The dedication of all those involved in the removal of these hazards and securing weapons must be commended and applauded every time a life is saved due to their efforts. These successes are well documented in this year's *To Walk the Earth in Safety*.



While conducting its unlawful war and full-scale invasion of Ukraine, Russia has intentionally polluted massive swaths of the country with landmines, explosive remnants of war, and improvised explosive devices. The Government of Ukraine estimated that, as of September 2022, 160,000 square kilometers of its land may have been contaminated—this is roughly the size of the states of Virginia, Maryland, and Connecticut combined, or nearly twice the size of Austria. These explosive hazards impede reconstruction, prevent displaced people from returning home, and continue to kill and maim Ukraine's innocent civilians. The United States is helping the Government of Ukraine address this urgent humanitarian challenge. U.S. funding supports humanitarian demining teams and is enabling a large-scale train and equip project to strengthen the Government of Ukraine's demining and explosive ordnance disposal capacity.

One glaring consequence of Russia's aggression in Ukraine is that farmers have lost their livelihoods waiting for landmine-riddled fields to be cleared so that they can once more supply the world with much-needed wheat, corn, and barley. Global food security has become a keystone of U.S. conventional weapons destruction efforts, and not just in Ukraine. For example, in Iraq, where the United States supports massive demining and battle area clearance programs, farmers can return to their land for the first time since Islamic State of Iraq and Syria (ISIS) occupation and harvest wheat, one of the

vegetable gardens and forage for mushrooms in the woods, supplementing their diets and providing extra income too.

We continue to chronicle in this year's edition of *To Walk the Earth in Safety* how the United States empowers women to work in the humanitarian demining sector, including by leading demining teams in Vietnam, Sri Lanka and elsewhere. Women who work in peace and security positions, as part of demining teams or by providing explosive ordnance risk education, are a critical part of the process of post-conflict reconstruction and reconciliation. These women bring valuable perspectives to every endeavor, including conventional weapons destruction, with solutions often rooted in strengthening communities through inclusion and empowerment of all.

Environmental resiliency and conservation are a high priority for this Administration, and we have highlighted this effort in several stories included in this edition of *To Walk the Earth in Safety*. For example, in Zimbabwe we have cleared land so that wildebeests and other wildlife may roam freely without the threat of stepping on a landmine. The result will be a thriving ecosystem, safe wildlife migration, and economic development resulting from increased eco-tourism.

It is with all these goals in mind that I come to work not only as a public servant, but as a mother who wants all children to enjoy the beauty and peace this world has to offer. Every child, adult, and animal should be able to walk the earth in safety!

Jessica Lewis
Assistant Secretary
Bureau of Political-Military Affairs



Elephants and other wildlife are threatened by explosive hazards.

Image courtesy of Adobe Stock Photos.

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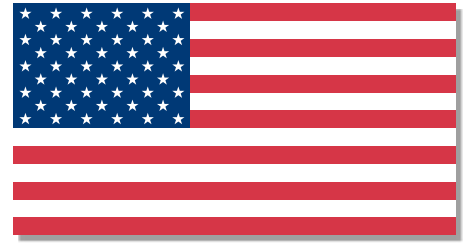
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THE UNITED STATES' COMMITMENT TO Conventional Weapons Destruction



Stockpiles of excess, poorly-secured, or otherwise at-risk conventional weapons continue to challenge peace and prosperity worldwide. In the wrong hands, small arms and light weapons, including more advanced types such as man-portable air defense systems (MANPADS), fuel political instability and violence and threaten international security. Aging ammunition stockpiles may also explode without warning, devastating nearby population centers and causing extensive contamination that can degrade soil and water sources. Meanwhile, landmines, improvised explosive devices, and explosive remnants of war, including cluster munition remnants, unexploded artillery shells and mortar shells, kill and maim people decades after conflicts end. Clearing land enables stabilization assistance, allowing displaced persons to return home, economic revitalization to begin, and political stability to take root. U.S. clearance and disposal efforts are returning land to productive use, while helping ensure air, soil, and water is clean and safe to use. These critical efforts help foster food security and climate resilience in communities affected by explosive hazards.

THE U.S. GOVERNMENT'S COLLABORATIVE APPROACH

The United States is committed to reducing these threats worldwide and is the leading financial supporter of conventional weapons destruction, providing more than \$4.6 billion in assistance to more than 120 countries and areas since 1993. The Department of State, Department of Defense, and the U.S. Agency for International Development (USAID) work together with foreign governments, private companies, international organizations, and nongovernmental organizations to reduce excess small arms and light weapons and conventional munitions stockpiles (including MANPADS), implement best practices for physical security and stockpile management at conventional weapons storage sites, and carry out humanitarian mine action programs.

In fiscal year 2022, Department of State invested over \$319 million* in conventional weapons destruction programs globally. It also led the

U.S. interagency MANPADS Task Force, which coordinates counter-MANPADS efforts by the Departments of State, Defense, Homeland Security, and other relevant stakeholders, and helps partner nations eliminate or better secure the MANPADS they retain. In addition to these Department of State-led efforts, the Department of Defense Humanitarian Demining Training Center trains deminers, ammunition handlers, and stockpile managers from partner countries. The Department of Defense Humanitarian Demining Research and Development Program improves conventional weapons destruction technologies, enhancing the efficiency and safety of humanitarian demining around the world. USAID also assists survivors of landmine and explosive remnants of war, providing medical and rehabilitative care through the Leahy War Victims Fund.

DEPARTMENT OF STATE SUPPORT FOR CONVENTIONAL WEAPONS DESTRUCTION

The Department of State has managed more than 75 percent (more than \$3.4 billion) of the United States' contribution to conventional weapons destruction since 1993, with a three-fold objective:

- Enhance U.S. and international security by destroying and securing small arms and light weapons, including MANPADS, at risk of proliferation to terrorists, insurgents, and other violent non-state actors;
- Improve stability and prosperity by clearing landmines and explosive remnants of war and returning land to productive use;
- Build trust and deepen relationships with key partners to accelerate achievement of broader U.S. foreign policy objectives.

Robust project performance standards, enhanced monitoring and evaluation strategies, and a comprehensive program planning process guide the State Department's Office of Weapons Removal and Abatement's decisions and hold implementing partners accountable.

The measurable, tangible results that flow from the U.S. Government's commitment to CWD strongly support U.S. foreign policy priorities. In addition, these programs help protect the lives and livelihoods of civilians so they can more safely remain in their own countries.



U.S. Ambassador to Cambodia, Patrick Murphy, visits a clearance site.

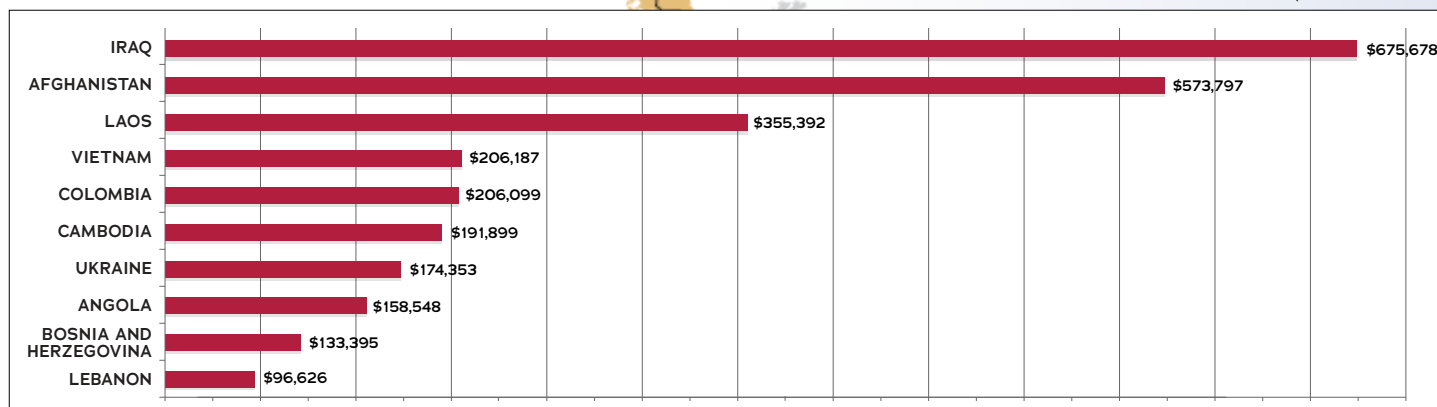
Image courtesy of The HALO Trust.

*Initial planned allocations

1993–2022 GLOBAL OVERVIEW OF THE U.S. Conventional Weapons Destruction Program

TOP 10 COUNTRIES FUNDED
FY1993–FY2022 (AGGREGATE)

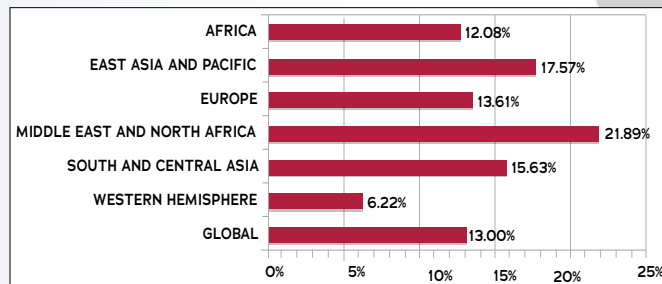
(Dollars in thousands)



MAP LEGEND

- U.S. supported activity in FY22
- Received U.S. support in the past
- Mine-impact free & U.S. supported activity in FY22
- Mine-impact free with past U.S. support

PERCENT OF TOTAL U.S. CONVENTIONAL WEAPONS DESTRUCTION FUNDING BY REGION FY1993-FY2022



IN FY2022:

	174,670,025 SQUARE METERS (43,161 ACRES) LAND CLEARED		3,938 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED
	69,306,346 SQUARE METERS (17,126 ACRES) LAND RELEASED		730 SMALL ARMS AND LIGHT WEAPONS MARKED
	16,561 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS		14,165 SMALL ARMS AND LIGHT WEAPONS DESTROYED
	37,564 LANDMINES DESTROYED		223 MANPADS, ATGMS, OR COMPONENTS DESTROYED
	200,112 EXPLOSIVE REMNANTS OF WAR DESTROYED		775 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT
	9,099 IED OR COMPONENTS CLEARED OR DESTROYED		428 PERSONNEL TRAINED IN EXPLOSIVE ORDNANCE DISPOSAL
	3,436,037 ¹ EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS		103 ARMORIES BUILT OR REHABILITATED
	53,714 SURVIVOR ASSISTANCE RECIPIENTS		51 IMPLEMENTING PARTNERS (See page 62 for complete list)

1. This total reflects the number of recipients reached through in-person risk education. More than 18 million additional recipients were reached through social media in Ukraine.

AFRICA

ANGOLA | BENIN | BURKINA FASO | CHAD | CÔTE D'IVOIRE
 DEMOCRATIC REPUBLIC OF THE CONGO | ETHIOPIA | GUINEA-BISSAU | KENYA
 MALAWI | MAURITANIA | NIGER | RWANDA | SENEGAL | SIERRA LEONE | SOMALIA
 SOUTH SUDAN | SUDAN | TANZANIA | TOGO | UGANDA | ZAMBIA | ZIMBABWE

The United States invests in conventional weapons destruction in Africa to foster lasting peace, security, and prosperity. Explosive hazards, or even their suspected presence of them, hinder travel to and from schools and water sources, and limit local agricultural growth and economic development. Additionally, state-controlled stockpiles of obsolete or excess small arms and light weapons may threaten civilians and fuel violence if acquired by terrorists, transnational criminal organizations, and other destabilizing actors. Aging and unstable ammunition stockpiles pose the threat of accidental explosions like the March 2021 catastrophe in Bata, Equatorial Guinea.

The United States works closely with its African partners to address these threats through a wide range of activities. Demining and explosive ordnance risk education programs funded by the United States protect local communities, strengthen food security, and facilitate economic development, while also advancing critical climate and conservation priorities. Of note, U.S. demining programs play an important role protecting animals and facilitating wildlife conservation efforts in Angola's Okavango watershed and Zimbabwe's Gonarezhou National Park. The United States also partners with countries across Africa to reduce the availability of small arms and light weapons, ammunition, and improvised explosive device components used by violent extremist groups, while increasing the operational effectiveness and accountability of security

Explosive ordnance risk education is taught in South Sudan.

Image courtesy of Mines Advisory Group.



forces. U.S. programs help strengthen African partners' capacity to secure and effectively manage their arms and ammunition inventories by marking weapons, building or refurbishing armories and depots, destroying excess and unstable arms and ammunition, and training security forces to safely handle, manage, and store weapons and ammunition. For example, in Somalia, the United States funded small arms and light weapons storehouse management courses in a train-the-trainer format. This specific format has a multiplier effect, extending the lifetime of the tangible skill sets of the curriculum as participants of the initial course become qualified trainers for other military units. These initiatives help partner governments improve security sector governance, enhance accountability, and prevent munitions from being lost or stolen.



5,327,460
SQ M LAND
CLEARED



11,522
LANDMINES
DESTROYED



5,217
EXPLOSIVE REMNANTS
OF WAR DESTROYED



185
METRIC TONS OF
AMMUNITION DESTROYED



1,141
SMALL ARMS/LIGHT
WEAPONS DESTROYED



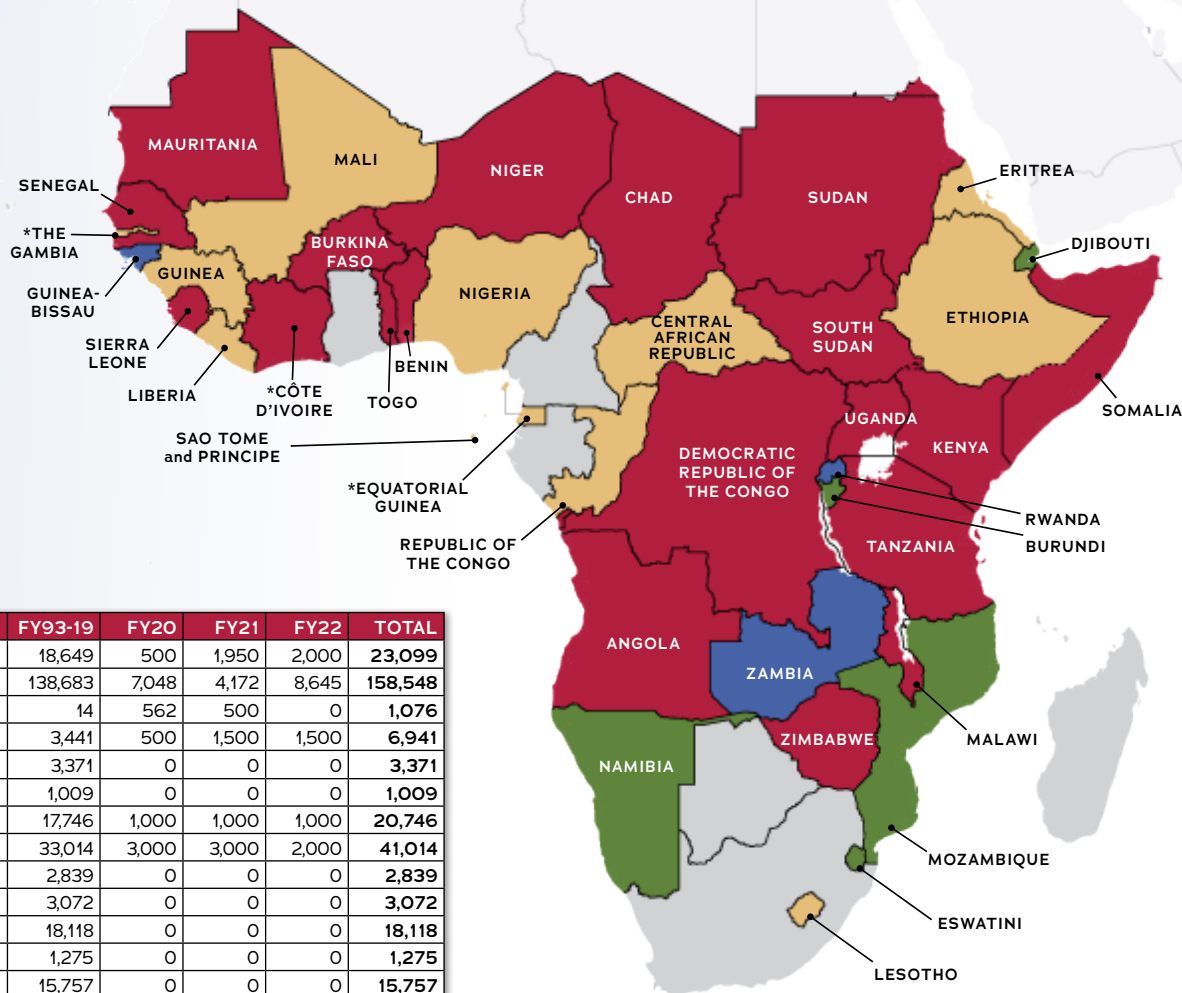
54,466
RISK EDUCATION
RECIPIENTS

**\$27.5
MILLION**

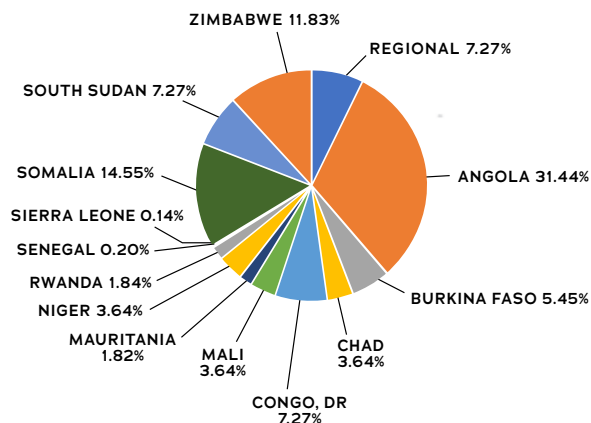
**U.S. FUNDING
IN FY2022**

**\$565
MILLION**

**U.S. FUNDING
FY1993-FY2022**



AFRICA	FY93-19	FY20	FY21	FY22	TOTAL
REGIONAL FUNDING	18,649	500	1,950	2,000	23,099
ANGOLA	138,683	7,048	4,172	8,645	158,548
BENIN	14	562	500	0	1,076
BURKINA FASO	3,441	500	1,500	1,500	6,941
BURUNDI	3,371	0	0	0	3,371
CENTRAL AFRICAN REPUBLIC	1,009	0	0	0	1,009
CHAD	17,746	1,000	1,000	1,000	20,746
CONGO, DRC	33,014	3,000	3,000	2,000	41,014
CONGO, REPUBLIC OF THE	2,839	0	0	0	2,839
DJIBOUTI	3,072	0	0	0	3,072
ERITREA	18,118	0	0	0	18,118
ESWATINI	1,275	0	0	0	1,275
ETHIOPIA	15,757	0	0	0	15,757
GUINEA	1,103	0	0	0	1,103
GUINEA-BISSAU	9,481	500	300	0	10,281
KENYA ¹	3,037	0	0	0	3,037
LESOTHO	15	0	0	0	15
LIBERIA	4,939	0	0	0	4,939
MALAWI	130	1,500	1,300	0	2,930
MALI	5,412	0	0	1,000	6,412
MAURITANIA	7,605	1,000	500	500	9,605
MOZAMBIQUE	56,391	0	1,000	0	57,391
NAMIBIA	9,515	0	0	0	9,515
NIGER	5,021	1,000	1,000	1,000	8,021
NIGERIA	2,140	0	0	0	2,140
RWANDA	14,193	0	1,000	505	15,698
SAO TOME and PRINCIPE	50	0	0	0	50
SENEGAL	6,493	1,129	1,488	56	9,166
SIERRA LEONE	1,740	0	0	39	1,779
SOMALIA	31,050	2,000	4,000	4,000	41,050
SOUTH SUDAN ²	14,961	2,000	2,000	2,000	20,961
SUDAN ²	2,800	650	1,000	0	4,450
SUDAN and SOUTH SUDAN ²	24,427	0	0	0	24,427
TANZANIA ¹	2,636	0	0	0	2,636
TOGO ¹	32	0	0	0	32
UGANDA ¹	1,263	0	0	0	1,263
ZAMBIA ¹	2,487	0	0	0	2,487
ZIMBABWE	21,433	2,588	1,685	3,253	28,959
TOTAL	485,342	24,977	27,395	27,498	565,212



**PERCENTAGE OF THE \$27.5 MILLION
ALLOCATED TO AFRICA IN FY2022
BY COUNTRY**

MAP LEGEND

- U.S. supported activity in FY22
- Received U.S. support in the past
- Mine-impact free & U.S. supported activity in FY22
- Mine-impact free with past U.S. support

TOTAL U.S. CONVENTIONAL WEAPONS DESTRUCTION FUNDING IN AFRICA FY1993-FY2022

- Countries with activities in FY22 that were solely funded through Global/Multi-Country funding, but received direct funding in the past.
- The "Sudan and South Sudan" budget line reflects the total funding for Sudan until 2011, when the country split into Sudan and South Sudan. The separate funding lines for "Sudan" and "South Sudan" reflect their respective separate funding totals since 2011.

*Countries that received current or past support solely through Global/Multi-country funding.

ZIMBABWE:

U.S. Demining Support Contributes to Wildlife Conservation

Article courtesy of APOPO.

Gonarezhou means “The Place of Elephants,” a suitable name to describe one of Africa’s last great, mostly untouched, wildernesses, inhabited by herds of lions, zebras, and over 150 other species of mammals. The Sengwe Wildlife Corridor connects Gonarezhou and Kruger National Parks, which are part of the larger Great Limpopo Transfrontier Park spanning multiple countries in southern Africa. These nature preserves ensure vulnerable wildlife like elephants can breed and maintain healthy populations.

During the Zimbabwe Liberation War from 1964 to 1979, Rhodesian Security Forces placed millions of landmines along Zimbabwe’s border with Mozambique. Today these landmines, along with explosive remnants of war from the conflict, litter the border and affect the Sengwe Wildlife Corridor, which runs between the Kruger National wildlife park in South Africa and the Gonarezhou National Park in Zimbabwe’s Southeast Lowveld. Known as the CORSAN minefield, it is one of the most densely laid minefields in the world, with an estimated 5,500 mines per square kilometer that continue to threaten human security, kill and injure wildlife, block economic development, and impede conservation efforts.

APOPO, established in 1995, is a registered Belgian nongovernmental organization and U.S. non-profit humanitarian demining organization that has supported the United States in landmine clearance in Zimbabwe since 2020. Their task: clearing approximately 7.23 million square meters (1,787 acres) of the CORSAN minefield to make the land safe for cross-border communities to engage in agricultural development, promote eco-tourism, and protect wildlife and animal migration.

A Sengwe Wildlife Corridor free of explosive hazards will make the Gonarezhou National Park accessible to the millions of wildlife tourists who come to southern Africa. It will also reduce the widespread harm to the vulnerable wildlife in the Gonarezhou and Kruger National Parks caused by landmines and explosive remnants of war. The clearance of minefields not only increases Zimbabwe’s ability to protect its national parks and local wildlife but also contributes to regional stability and economic growth.



Elvis Chauke with his herd of cattle.

Image courtesy of APOPO.

Chilotlela resident Elvis Chauke has been herding his cattle alongside the APOPO tasked minefield for over two decades. Mr. Chauke has personally lost cattle to landmines but claims the biggest impact it has on him is the fear his children are playing within meters of the minefield every day. “Although they have been educated to stay out of the minefield, and we have not had a human accident in years, with children you never know, they are naturally curious to go into new areas. It is a huge relief knowing some of the threat posed by mines near Chilotlela has already been alleviated! It will also give me more land to graze my cattle and keep them safe too.”

Through 2022, APOPO released more than 2.2 million square meters of land (over 543 acres) back to communities for safe use and destroyed more than 8,700 landmines. In conjunction with this clearance, APOPO has delivered explosive ordnance risk education to more than 9,000 members of local at-risk communities, saving lives and increasing economic opportunity for families living in the area.

The additional landmines APOPO expects to find and clear in the CORSAN minefield in the coming years will not only enable the cleared land to safely connect nature preserves for safe wildlife migration, but also grant access to agricultural lands and enable safe passage for human populations in the area. Additionally, eco-tourists on safari in Kruger National Park will be able to safely cross into Gonarezhou National Park, potentially generating additional revenue and providing employment opportunities to the local population.

By clearing the deadly legacies of former wars, Zimbabweans are empowered to pursue economic development opportunities, advance conservation goals, and live their lives free from the threat of mines.



Landmines endanger the migration of elephants between South Africa's Kruger National Park and Zimbabwe's Gonarezhou National Park.

Image courtesy of U.S. Department of State.

A deminer in his lane in Angola.

Image courtesy of The HALO Trust.



ANGOLA



Angola made great strides in 2022 to recover from over 40 years of conflict that ended in 2002. According to Mine Action Review's *Clearing the Mines* 2022 Report, Angola exceeded its land release targets and more than doubled its clearance outputs compared to the prior year. In 2022, U.S. funded demining operations contributed significantly to this achievement, returning more than 2 million square meters (515 acres) of land to local communities. While much land has been cleared of landmines and unexploded ordnance, Angola still has more than 76.18 million square meters (18,827 acres) of contaminated land remaining as of 2022 according to Angola's National Mine Action Agency.

From FY1994 to FY2022, the United States invested more than \$158.5 million for conventional weapons destruction in Angola. This assistance has released a total of more than 469 million square meters (116,064 acres) to productive use and destroyed 106,969 landmines and explosive remnants of war. Conventional weapons destruction assistance also destroyed 112,445 excess small arms and light weapons and 615 metric tons of unserviceable ammunition from government stockpiles, reducing the risk of explosions and illicit diversions.

In FY2022, the Department of State supported:

- Expanded demining in Bié, Cuando Cubango, and Moxico Provinces that released land through survey and demining and destroyed cleared landmines and other explosive hazards. Many of the clearance sites were high priority due to their proximity to populated areas, most of which are experiencing significant population growth and require more land for housing, agriculture, grazing, and other activities. Survey and clearance operations in southern Moxico and Cuando Cubango Provinces directly support the Government of Angola's environmental conservation efforts and eco-tourism development in the Okavango River basin.

- Further physical security and stockpile management programs in Moxico, Lunda Sul, and Lunda Norte Provinces that strengthened security forces' management of weapons, through training and destroying surplus, unstable, or abandoned weapons and ammunition.

The Department of Defense Humanitarian Demining Research and Development Program supported deployment of a versatile, lightweight armored excavator modified by the integration of demining attachments and deployed the GPZ-7000 handheld detector.

ANGOLA	FY20	FY21	FY22	FY94–22 TOTAL
DOS NADR - CWD	7,000	4,000	8,500	137,104
DOS OTHER	0	0	0	3,170
CDC	0	0	0	150
DOD	48	172	145	9,773
USAID	0	0	0	8,351
COUNTRY TOTAL	7,048	4,172	8,645	158,548

Dollars in thousands

IN FY2022:

- 2,083,988 SQUARE METERS (515 ACRES) LAND CLEARED**
 - 611,525 SQUARE METERS (151 ACRES) LAND RELEASED**
 - 430 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
 - 885 LANDMINES DESTROYED**
 - 2,409 EXPLOSIVE REMNANTS OF WAR DESTROYED**
 - 22,243 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
 - 4.9 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**
 - 154 SMALL ARMS AND LIGHT WEAPONS DESTROYED**
 - 26 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT**
- The HALO Trust, Mines Advisory Group

BENIN



U.S. conventional weapons destruction assistance to Benin strengthens its national defense forces' capacity to manage stockpiles of small arms, light weapons, ammunition, and explosives and keep them from falling into the hands of violent extremist organizations. From FY2007 to FY2022, the United States invested more than \$1 million to destroy old stockpiles, build secure storage facilities for weapons and ammunition, and train Beninese forces on weapons and ammunition management. This assistance helps Benin stand up to violent extremism and staunch the flow of weapons that can lead to destabilization across the Coastal West Africa region.

In FY2022 (with prior year funds), the Department of State supported:

- Destruction of obsolete and surplus ammunition to reduce the likelihood of diversion and unplanned explosions at storage sites, and trained members of the Benin Armed Forces to properly conduct their own ammunition destruction programs.

As part of a multi-regional program, USAID's Leahy War Victims Fund supported the International Committee of the Red Cross to strengthen the rehabilitation sector.

BENIN	FY20	FY21	FY22	FY07–22 TOTAL
DOS NADR - CWD	562	500	0	1,062
DOD	0	0	0	14
COUNTRY TOTAL	562	500	0	1,076

Dollars in thousands

IN FY2022:



78.2 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED



19 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT



1 ARMORY BUILT OR REHABILITATED



International Committee of the Red Cross, Mines Advisory Group

BURKINA FASO



Since 2018, violent extremist organizations in Burkina Faso have become more aggressive in their efforts to utilize diverted and illicitly trafficked weapons and ammunition for their attacks against the state and civilians. From FY2015 to FY2022, the United States invested more than \$6.9 million in Burkina Faso to improve its physical security and stockpile management to help Burkinabe security forces better stand up to the threat of terrorism and prevent arms leakage to the wider Sahel region.

In FY2022, the Department of State supported:

- Improved accountability by marking weapons for the gendarmerie, police, and military with unique serial numbers.

- Physical security and stockpile management training to the Burkinabe security forces.

BURKINA FASO	FY20	FY21	FY22	FY15–22 TOTAL
DOS NADR - CWD	500	1,500	1,500	6,941
COUNTRY TOTAL	500	1,500	1,500	6,941

Dollars in thousands

IN FY2022:



34 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT



Mines Advisory Group

CHAD



Chad is a key transit point for illicit weapons flowing to and from Libya and a destination point for weapons trafficked illicitly from Sudan. With U.S. support, conventional weapons destruction programs help ensure Chadian Government arms and ammunition stockpiles remain secure and serviceable as the Chadian military continues to make substantial efforts to counter threats from violent extremists.

From FY1998 to FY2022, the United States invested more than \$20.7 million in Chad to clear landmines, destroy excess small arms and light weapons and ammunition, and improve physical security and stockpile management.

In FY2022, the Department of State supported:

- Marking weapons with unique serial numbers to improve stockpile accountability.
- Destruction of excess ammunition, small arms, and light weapons
- Training in stockpile management.
- Building and refurbishing of storage facilities for the military, gendarmerie, and national guard.

CHAD	FY20	FY21	FY22	FY98–22 TOTAL
DOS NADR - CWD	1,000	1,000	1,000	15,556
DOD	0	0	0	5,190
COUNTRY TOTAL	1,000	1,000	1,000	20,746

Dollars in thousands

IN FY2022:



2.5 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED



984 SMALL ARMS AND LIGHT WEAPONS DESTROYED



730 SMALL ARMS AND LIGHT WEAPONS MARKED



27 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT



16 ARMORIES BUILT OR REHABILITATED



Mines Advisory Group



Weapons marking helps Chad secure its government-held weapons.

Image courtesy of Mines Advisory Group.

DEMOCRATIC REPUBLIC OF THE CONGO



The Democratic Republic of the Congo's eastern provinces continue to suffer from intense fighting between non-state actors and government forces, fueled by the illicit proliferation of small arms and light weapons and ammunition, resulting in further population displacement, contamination with explosive remnants of war, and a lack of economic development. The conflict also exacerbates public health crises when health workers and humanitarian assistance personnel lack safe and reliable access to conflict areas.

From FY2002 to FY2022, the United States invested more than \$41 million in funding for conventional weapons destruction in the Democratic Republic of the Congo, destroying a total of 180,739 small arms and light weapons and 1,807 metric tons of ammunition, as well as upgrading armories and training security force personnel in physical security and stockpile management. Support for landmine survey and clearance released 645,223 square meters (159 acres) of land to productive use and prevented injuries through explosive ordnance risk education provided to 141,219 individuals.

In FY2022, the Department of State supported

- Explosive ordnance risk education and demining operations in eight priority areas including South Kivu, North Kivu, Ituri, Nord Ubangi, Kasai, Tshuapa, Maniema, and Tanganyika Provinces.

CONGO, DR	FY20	FY21	FY22	FY02–22 TOTAL
DOS NADR - CWD	3,000	3,000	2,000	32,334
DOD	0	0	0	1,083
USAID	0	0	0	7,597
COUNTRY TOTAL	3,000	3,000	2,000	41,014

Dollars in thousands

IN FY2022:

- 33,770 SQUARE METERS (8.3 ACRES) LAND CLEARED**
- 4,170 SQUARE METERS (1 ACRE) LAND RELEASED**
- 111 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- 15 LANDMINES DESTROYED**
- 117 EXPLOSIVE REMNANTS OF WAR DESTROYED**
- 17,194 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
- The HALO Trust, Mines Advisory Group, Polus Center for Social and Economic Development**

GUINEA-BISSAU



U.S. conventional weapons destruction program assistance has enabled Guinea-Bissau to secure its weapons and ammunition management and supply chains, destroy large stockpiles of outdated and degraded explosive munitions, and declare itself free from known antipersonnel landmine contamination in 2012.

From FY2000 to FY2022, the United States invested more than \$10.2 million with a primary focus on physical security and stockpile management needs in recent years.

In FY2022 (with prior year funds), the Department of State supported:

- Destruction of excess stockpiled ammunition.
- Construction of secure armories and ammunition storage facilities.
- Physical security and stockpile management training to security forces so they could effectively manage their new facilities. This program complements an earlier African Union-sponsored assessment of Guinea-Bissau stockpiles under its Ammunition Management Safety Initiative.

GUINEA-BISSAU	FY20	FY21	FY22	FY00–22 TOTAL
DOS NADR - CWD	500	300	0	8,837
DOD	0	0	0	1,444
COUNTRY TOTAL	500	300	0	10,281

Dollars in thousands

IN FY2022:

- 3 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- 7.9 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**
- 40 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT**
- 6 ARMORIES BUILT OR REHABILITATED**
- The HALO Trust**

MALAWI



The African Union sponsored an assessment of Malawi's stockpiles of small arms, light weapons, and ammunition in 2018 under its Ammunition Management Safety Initiative to identify gaps in security measures and degraded ammunition that pose a high risk of accidental explosion. Based on that initial assessment and the findings of subsequent assessments, between 2019 and 2022 the United States upgraded physical infrastructure, destroyed excess ammunition, and trained Malawian security forces to international standards for physical security and stockpile management to prevent diversions and depot explosions.

From FY2018 to FY2022, the United States invested more than \$2.9 million in conventional weapons destruction efforts in Malawi.

In FY2022 (with prior year funds), the Department of State supported:

- Extensive program of armory and ammunition storehouse construction.

- Training of security forces in physical security and stockpile management standards.

MALAWI	FY20	FY21	FY22	FY18–22 TOTAL
DOS NADR - CWD	1,500	1,300	0	2,930
COUNTRY TOTAL	1,500	1,300	0	2,930

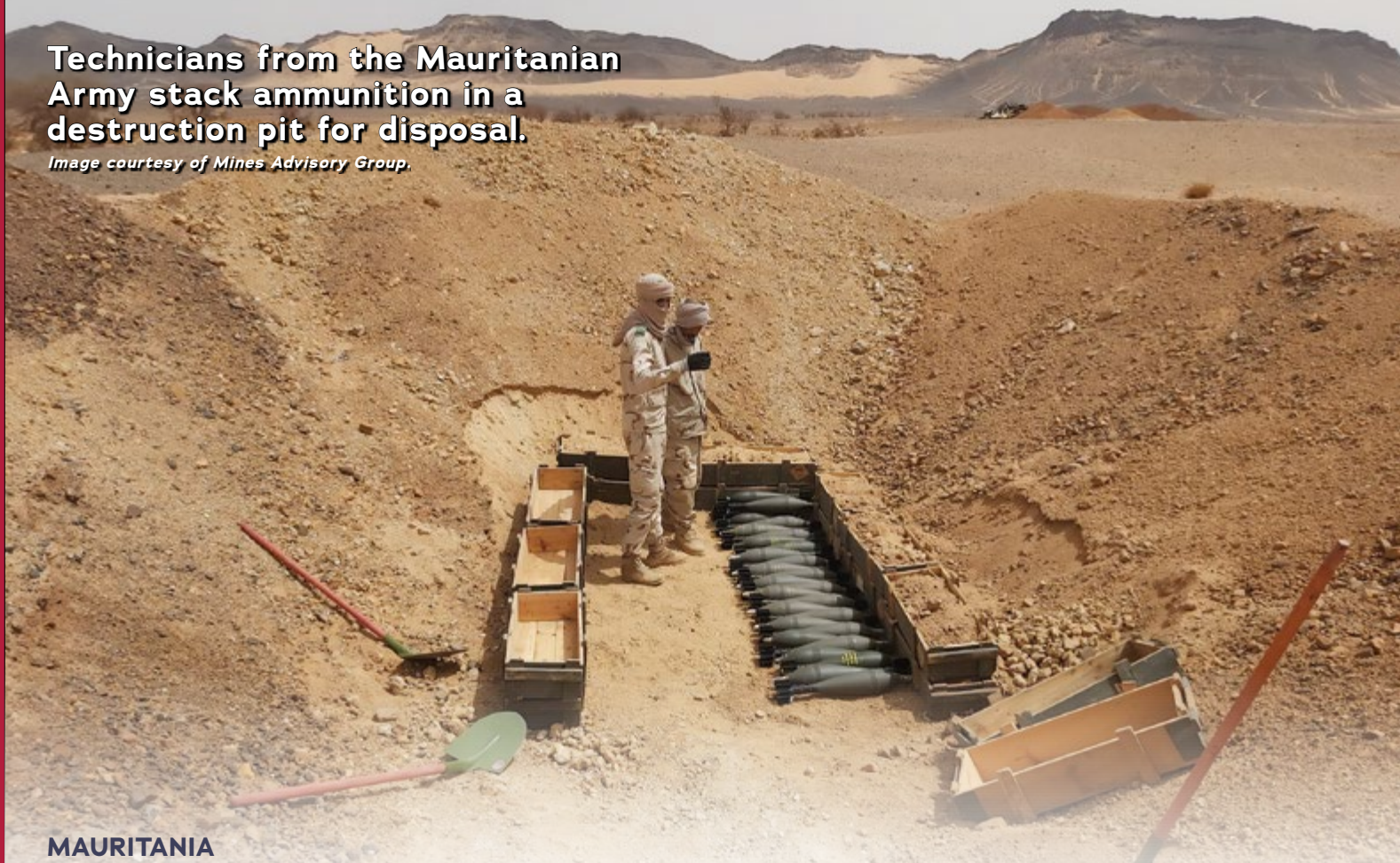
Dollars in thousands

IN FY2022:

- 8 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- 49 EXPLOSIVE REMNANTS OF WAR DESTROYED**
- 49.6 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**
- 96 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT**
- 1 ARMORY BUILT OR REHABILITATED**
- The HALO Trust**

Technicians from the Mauritanian Army stack ammunition in a destruction pit for disposal.

Image courtesy of Mines Advisory Group.



MAURITANIA



Most of Mauritania is in the Sahara Desert, with remote areas that provide a haven for terrorists who illicitly traffic small arms and light weapons into the Sahel and beyond.

U.S. investments in conventional weapons destruction have helped Mauritanian security forces to secure their weapons and ammunition in facilities that meet international standards and effectively manage weapons to prevent diversion to violent extremists and arms traffickers.

From FY1999 to FY2022, the United States invested more than \$9.6 million in Mauritania. This funding supported the building and refurbishing of 13 storage facilities, destroyed 3,149 metric tons of ammunition and 375 MANPADS, and trained 54 personnel in stockpile management.

In FY2022, the Department of State supported:

- A new physical security and stockpile management project to greatly increase explosive storage capacity for serviceable ammunition and procure equipment for destruction of obsolete munitions.

MAURITANIA	FY20	FY21	FY22	FY99–22 TOTAL
DOS NADR - CWD	1,000	500	500	5,195
DOD	0	0	0	4,410
COUNTRY TOTAL	1,000	500	500	9,605

Dollars in thousands

IN FY2022:



41.7 METRIC TONS OF AMMUNITION



75 MANPADS, ATGMS, OR COMPONENTS DESTROYED



Mines Advisory Group

NIGER



Niger is a key partner in regional and international counterterrorism efforts, including the G5 Sahel, Multi-National Joint Task Force-Niger, and United Nations Multidimensional Integrated Stabilization Mission in neighboring Mali.

From FY2015 to FY2022, the United States invested more than \$8 million in conventional weapons destruction funding to build or rehabilitate 30 storage facilities, train personnel in physical security and stockpile management, destroy 15 metric tons of excess ordnance, and mark 6,000 small arms and light weapons belonging to Nigerien security forces.

In FY2022, the Department of State supported:

- Construction of secure armories to store small arms and light weapons, and ammunition.

- Training of Nigerien security forces to prevent the illicit trafficking and diversion of small arms and light weapons.

NIGER	FY20	FY21	FY22	FY15–22 TOTAL
DOS NADR - CWD	1,000	1,000	1,000	7,693
DOD	0	0	0	328
COUNTRY TOTAL	1,000	1,000	1,000	8,021

Dollars in thousands

IN FY2022:



Mines Advisory Group

SENEGAL



More than 30 years of internal conflict between the Government of Senegal and the separatist Movement of Democratic Forces of Casamance left parts of Senegal's Casamance region impacted by landmines and explosive remnants of war. From 2008 through 2018, the United States provided demining assistance in Casamance. These clearance efforts facilitated the Casamance peace process and the return of internally displaced persons. In more recent years, U.S. efforts have shifted to support emerging priorities for physical security and stockpile management to help build Senegal's national capacity to safeguard its stockpiles.

From FY2002 to FY2022, the United States invested more than \$9.1 million in conventional weapons destruction funding to reduce the risk of unplanned explosions at munitions sites, provide armory storage management training, and clear landmines and unexploded ordnance.

In FY2022 (with prior year funds), the Department of State supported:

- A physical security and stockpile management project to reduce the risk of unplanned explosions at munitions storage sites in Dakar by collaborating with Senegal's armed forces to safely destroy confiscated explosive material and relocate ammunition to secure facilities away from population centers.

With funding from the Department of Defense, the U.S. Africa Command invested in building the Senegalese Armed Forces' physical security

and stockpile management capacity to reduce the risk of an unplanned explosion at munitions sites. Through the State Partnership Program, the Vermont National Guard provided train-the-trainer sessions to build a cadre of Senegalese instructors who will be able to conduct future physical security and stockpile management training. The Vermont National Guard and the Senegalese Armed Forces also evaluated ammunition storage facilities to ensure previously received training is being applied effectively. Also, a temporary ammunition storage facility in Thies was constructed to store munitions that were relocated from the densely populated Dakar region to mitigate the risk of a catastrophic event similar to the massive explosion in Beirut, Lebanon in August 2020.

SENEGAL	FY20	FY21	FY22	FY02-22 TOTAL
DOS NADR - CWD	1,000	500	0	5,255
DOS OTHER	0	0	0	260
DOD	129	988	56	3,151
USAID	0	0	0	500
COUNTRY TOTAL	1,129	1,488	56	9,166

Dollars in thousands

IN FY2022:



Mines Advisory Group

SOMALIA



In Somalia, United States efforts focus on capacity building within the Federal Government of Somalia security forces to properly manage their conventional weapons stockpiles, particularly in south-central Somalia, where the risk of illicit diversion to non-state actors is greatest. Since 2016, the United States has also supported mobile weapons and ammunition disposal teams to destroy 8,452 unsecured munitions.

Al-Shabaab remains a significant threat to Somalia's security, stability, and prosperity, and it controls territory across south and central Somalia. Many weapons in al-Shabaab's arsenal have been taken from government stockpiles, underscoring the need for improved security and accountability. Al-Shabaab also harvests explosives from poorly secured and abandoned munitions storage facilities to create improvised explosive devices. The widespread trafficking of small arms and light weapons and ammunition, including from Yemen, enables al-Shabaab and other non-state actors to carry out attacks that continue to destabilize the Horn of Africa region.

From FY1998 to FY2022, the United States invested more than \$41 million in conventional weapons destruction programs in Somalia for physical security and stockpile management, MANPADS stockpile reduction, humanitarian mine action, and other programs to promote stability.

In FY2022, the Department of State supported :

- Construction and refurbishment of weapons storage facilities.
- Stockpile management training for Federal Government of Somalia security forces.
- Deployment of weapons and ammunition disposal teams to south-central Somalia.

SOMALIA	FY20	FY21	FY22	FY98-22 TOTAL
DOS NADR - CWD	2,000	4,000	4,000	41,050
COUNTRY TOTAL	2,000	4,000	4,000	41,050

Dollars in thousands

IN FY2022:



546 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS



2,083 EXPLOSIVE REMNANTS OF WAR DESTROYED



42 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT



8 ARMORIES BUILT OR REHABILITATED



The HALO Trust

A deminer in Somalia stands beside her equipment.

Image courtesy of The HALO Trust.



SOUTH SUDAN



The majority of landmine and explosive remnants of war contamination in the Republic of South Sudan is found in Central, Eastern, and Western Equatoria, Jonglei, Unity, Upper Nile, and Western Bahr el Ghazal States. This inhibits delivery of humanitarian assistance, impedes development, and poses a physical threat to civilians.

From FY2003 to FY2010, the United States invested more than \$24.4 million in conventional weapons destruction funding in Sudan prior to the creation of South Sudan, directing much of it to what is now South Sudan.

Following South Sudan's independence, from FY2011 to FY2022, the United States invested more than \$20.9 million in South Sudan for mine and unexploded ordnance removal, and survivor assistance.

Between FY2019 and FY2022, the United States expanded its conventional weapons destruction programs to provide full survey and clearance activities, explosive ordnance disposal callouts, and explosive ordnance risk education in Central and Eastern Equatoria States. This restart of systematic clearance efforts reflects a more permissive oper-

ating environment, despite continued violent unrest and access issues elsewhere in the country.

In FY2022, the Department of State supported:

- Survey, clearance, explosive ordnance disposal callouts, and explosive ordnance risk education in Central and Eastern Equatoria States.

SOUTH SUDAN	FY20	FY21	FY22	FY11–22 TOTAL
DOS NADR - CWD	2,000	2,000	2,000	20,135
DOD	0	0	0	826
COUNTRY TOTAL	2,000	2,000	2,000	20,961

Dollars in thousands

IN FY2022:

- 380,980 SQUARE METERS (94 ACRES) LAND CLEARED**
- 57 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- 450 EXPLOSIVE REMNANTS OF WAR DESTROYED**
- 5,578 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
- Mines Advisory Group**

SUDAN



Sudan has been in conflict for the past several decades, including two civil wars and the armed conflict in Darfur that have contaminated large swathes of land with landmines and unexploded ordnance. While the 2020 Juba peace agreement provides a pathway to decrease violence over time, interethnic conflict has continued, and the Sudanese people, especially those displaced by conflict, still require humanitarian assistance. However, widespread landmine and explosive remnants of war contamination makes humanitarian access dangerous and difficult.

From FY2003 to FY2010, the United States invested more than \$24.4 million in conventional weapons destruction funding in Sudan prior to the creation of South Sudan, directing much of it to what is now South Sudan.

From FY2011 to FY2022, the United States invested more than \$4.4 million in conventional weapons destruction funding in Sudan.

In FY2022 (with prior year funds), the Department of State supported:

- Coordination meetings including national mine action authorities, demining NGOs, international donors, and other key stakeholders.
- Demining coordination meetings.
- Survey and clearance of explosive hazards.
- Explosive ordnance risk education in “peace markets”.

SUDAN	FY20	FY21	FY22	FY11–22 TOTAL
DOS NADR - CWD	650	1,000	0	4,450
COUNTRY TOTAL	650	1,000	0	4,450

Dollars in thousands

IN FY2022:

- 16,911 SQUARE METERS (4 ACRES) LAND CLEARED**
- 98 EXPLOSIVE REMNANTS OF WAR DESTROYED**
- 142 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
- United Nations Mine Action Service**

ZIMBABWE



Zimbabwe still has dense anti-personnel minefields along its borders with Mozambique dating back to the Zimbabwe Liberation War from 1964 to 1979, when millions of landmines were placed along the border with Mozambique by Rhodesian Security Forces. These minefields continue to kill and injure civilians and constrain economic development, particularly by killing livestock and preventing agriculture. At the end of 2020, the Zimbabwe Mine Action Center reported 34.1 million square meters (8,426 acres) of contaminated land.

From FY1998 to FY2022, the United States invested more than \$28.9 million for conventional weapons destruction in Zimbabwe. This assistance has released a total of 13.8 million square meters (3,410 acres) of land to productive use and destroyed 61,845 landmines and other explosive hazards.

In FY2022, the Department of State supported:

- Demining operations in Mashonaland and Mashonaland East Provinces, and the CORSAN minefield in Masvingo Province.
- Explosive ordnance risk education for at-risk communities.
- Prosthetics for landmine survivors.

The Department of Defense Humanitarian Demining Research and Development Program supported the evaluation of a Rotastar wet soil-sifting bucket and the dual-sensor handheld standoff mine detection system. Additionally, four commercial GPZ-7000 handheld detectors were deployed.

ZIMBABWE	FY20	FY21	FY22	FY98–22 TOTAL
DOS NADR - CWD	2,500	1,500	3,000	24,184
DOD	88	185	253	4,775
COUNTRY TOTAL	2,588	1,685	3,253	28,959

*Total includes all funding from FY1998–FY2022

Dollars in thousands

IN FY2022:

- 535,720 SQUARE METERS (132 ACRES) LAND CLEARED**
- 1,660,396 SQUARE METERS (410 ACRES) LAND RELEASED**
- 25 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- 10,618 LANDMINES DESTROYED**
- 9,309 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
- 1,124 SURVIVOR ASSISTANCE RECIPIENTS**
- APOPO, The HALO Trust, Norwegian People's Aid**

REGIONAL PROGRAMS

Kenya has long, porous, unguarded borders across which small arms and light weapons proliferation is common. In addition, remote and poorly secured munitions stockpiles, such as those near Kenya's border with Somalia, are attractive targets for criminals and terrorists.

The governments of the Great Lakes region established the Nairobi Protocol in 2004 to reduce illicit small arms and light weapons proliferation. They subsequently created the Regional Center on Small Arms in the Great Lakes Region, Horn of Africa, and Bordering States (REC-SA) to implement the Protocol. From FY2006 to FY2022, the United States provided more than \$7.3 million in support of REC-SA initiatives throughout the region to counter illicit small arms and light weapons proliferation.

OTHER U.S. SUPPORT

With funding from the Department of Defense, U.S. Africa Command conducted an introductory course to physical security and stockpile management course and reviewed of **Sierra Leone's** physical security and stockpile management and explosive ordnance disposal plans.

As part of multi-regional programs, USAID's Leahy War Victims Fund supported the World Health Organization to integrate rehabilitation into existing healthcare systems in **Rwanda**; the Interna-

In FY2022 (with prior year funds), the Department of State supported:

- Strengthening REC-SA's capacity to provide physical security and stockpile management support and reduce the threat of proliferation in the Great Lakes Region.
- Training to bolster Kenyan police capacity to effectively store, manage, and account for their stockpiles of weapons and ammunition.

IN FY2022:

-  **65 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT**
-  **13 ARMORIES BUILT OR REHABILITATED**

tional Committee of the Red Cross to strengthen the rehabilitation sector in **Côte d'Ivoire, Rwanda, Tanzania, Togo, and Zambia**; Results for Development to integrate and strengthen rehabilitation services in healthcare systems in **Ethiopia**; and Johns Hopkins University-Bloomberg School of Public Health to develop health systems that are responsive to growing needs for rehabilitation across the lifespan in **Uganda**.



A deminer working in Zimbabwe.
Image courtesy of The HALO Trust.

EAST ASIA AND PACIFIC

BURMA | CAMBODIA | LAOS | PALAU | PAPUA NEW GUINEA
SOLOMON ISLANDS | THAILAND | TIMOR-LESTE | VIETNAM

Thousands of communities across East Asia and Pacific face lingering dangers from landmines and explosive remnants of war dating back to World War II, the Vietnam War, and the Indochina Wars, with many Pacific Island nations still contaminated with unexploded ordnance following World War II battles between Japan and Allied forces. Strong economic development and population expansion into previously uninhabited areas in the decades since combat ended continue to expose civilians to landmines and explosive remnants of war. Climate change is also seriously impacting communities across the region, further complicating land development activities as well as landmines and unexploded ordnance clearance efforts. In mainland Southeast Asia, heavier rainy seasons caused by stronger typhoons result in increased landslides and

devastating floods, which can expose long buried explosives or slow clearance work. In the Pacific, rising sea levels displace communities and force them into previously uninhabited areas contaminated by explosive remnants of war. The United States is a global leader in addressing these emerging challenges, adjusting operational plans as landslides expose large air-dropped bombs that require immediate attention, and adjusting operations when newly populated areas require assistance to find and remove unexploded ordnance.

For nearly 30 years, U.S. conventional weapons destruction programs have been a key component of our diplomatic engagement in the region, establishing access to communities impacted by explosive hazards and accelerating survey and clearance throughout the region. These investments in

A community-based facilitator interviews a UXO survivor in Laos.

Image courtesy of World Education, Inc.



landmine and unexploded ordnance operations save lives, deepen diplomatic ties, and open new economic opportunities. Unexploded ordnance cooperation was at the forefront of initial post-war reconciliation efforts and remains a foundation of the United States' commitment to regional peace and prosperity.

Since 1993, the United States has invested more than \$822 million in the East Asia and Pacific region for unexploded ordnance clearance, explosive ordnance risk education, assistance for survivors of landmine and unexploded ordnance accidents, local capacity building, and improving weapons and ammunition management.



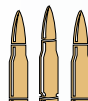
125,509,785
SQ M LAND
CLEARED



6,280
LANDMINES
DESTROYED



102,841
EXPLOSIVE REMNANTS
OF WAR DESTROYED



84
METRIC TONS OF
AMMUNITION DESTROYED



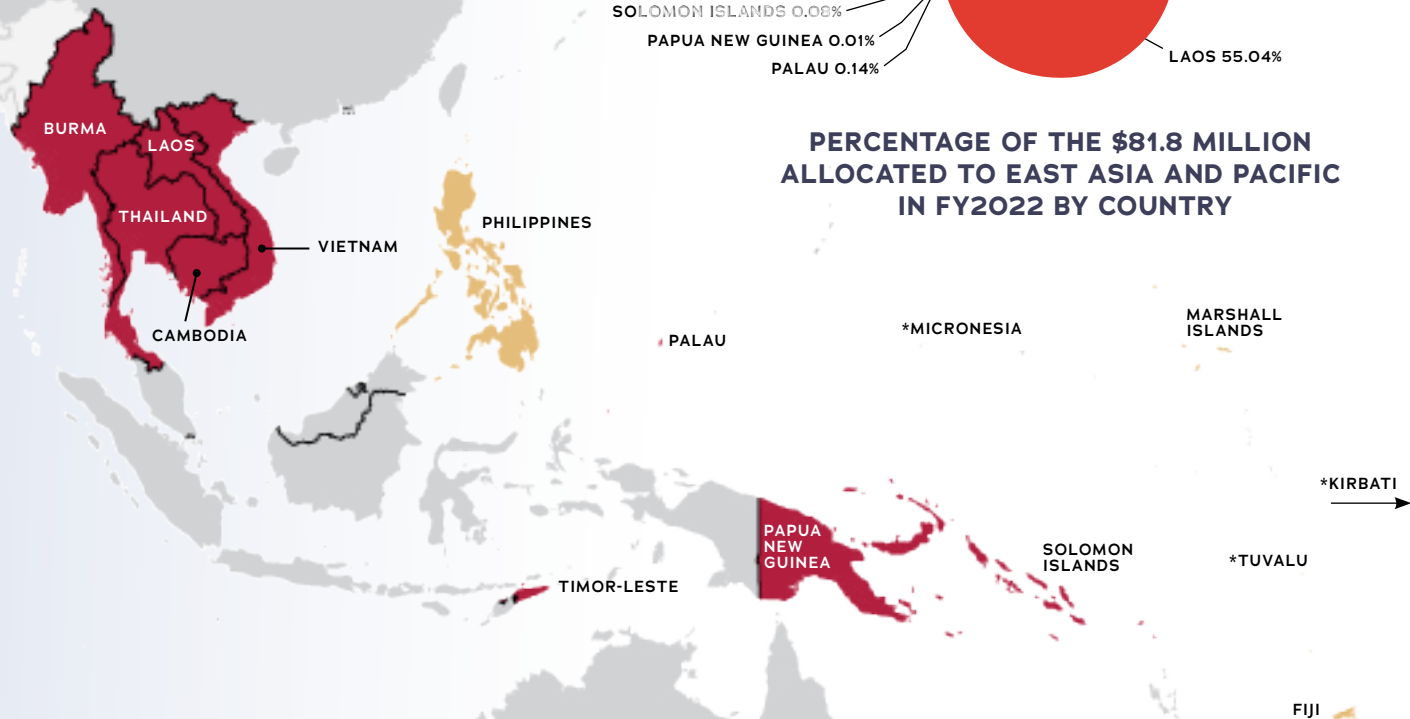
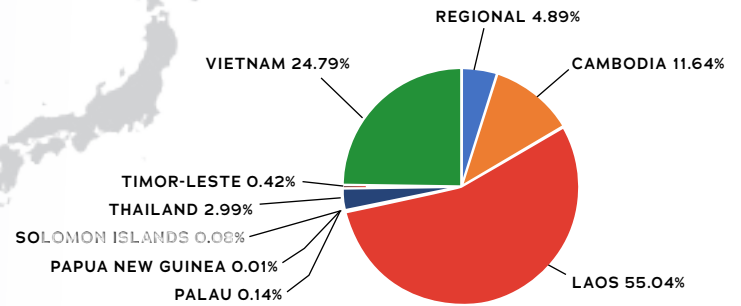
317,318,233
SQ M CLUSTER MUNITIONS
REMNANT SURVEY



2,183,175
RISK EDUCATION
RECIPIENTS

MAP LEGEND

- U.S. supported activity in FY22
- Received U.S. support in the past
- Mine-impact free & U.S. supported activity in FY22
- Mine-impact free with past U.S. support



EAST ASIA AND PACIFIC	FY93-19	FY20	FY21	FY22	TOTAL
REGIONAL	11,659	3	0	4,000	15,662
BURMA ¹	8,035	1,000	0	0	9,035
CAMBODIA	159,606	12,417	10,361	9,515	191,899
FIJI	0	370	1,330	0	1,700
LAOS	230,880	39,508	40,000	45,004	355,392
MARSHALL ISLANDS	2,009	0	0	0	2,009
PALAU	4,417	910	893	115	6,335
PAPUA NEW GUINEA	0	0	0	12	12
PHILIPPINES	3,023	0	0	0	3,023
SOLOMON ISLANDS	6,818	60	0	63	6,941
THAILAND	18,957	681	1,443	2,448	23,529
TIMOR-LESTE	0	0	22	344	366
VIETNAM	148,248	18,084	19,587	20,268	206,187
TOTAL	593,652	73,033	73,636	81,769	822,090

TOTAL U.S. CONVENTIONAL WEAPONS DESTRUCTION FUNDING IN EAST ASIA AND PACIFIC FY1993-FY2022

1. Countries with activities in FY22 that were solely funded through Global/Multi-Country funding, but received direct funding in the past.

*Countries that received current or past support solely through Global/Multi-country funding.

**\$81.8
MILLION**

**U.S. FUNDING
IN FY2022**

**\$822
MILLION**

**U.S. FUNDING
FY1993-FY2022**

LAOS:

Steps in a Greener Direction

Article and images courtesy of Norwegian People's Aid.

Laos is already experiencing the impacts of climate change and is vulnerable to future climate-related effects due to its heavy reliance on locally grown staple crops, rain-fed agriculture, and limited adaptive capacity. This vulnerability is compounded by poverty, malnutrition, and contamination from unexploded ordnance.

Changes in temperature and rainfall are projected to severely impact Laos in the form of extreme weather including greater heat, flooding, landslides, and droughts. Two of its most important staple crops: rice and coffee, are at particular risk.

Norwegian People's Aid's operates an unexploded ordnance survey and clearance program operates in the southern provinces of Attapeu, Champasak, Salavan, and Xekong, which are heavily contaminated with cluster bombs and other unexploded ordnance, particularly along the southern portion of the Ho Chi Minh trail built during the Vietnam War.

Making land safe for agriculture and socio-economic development, along with employing individuals from affected communities, is a priority for Norwegian People's Aid. Climate change-related impacts make unexploded ordnance removal operations more challenging, put its deminers and their families at risk of extreme heat and other weather events, and increase pressure on human use of unexploded ordnance-contaminated areas before they can be cleared.

Ladavanh Keodala, age 17, and Douangdaophet Keobounphan, age 20, are members of Zero Waste Laos, a youth-led volunteer organization working on environmental protection and climate change. Founded by Souksaveuy Keotiamchanh when she was 27, Zero Waste Laos is also a woman-led organization with over 80 percent female membership. In 2022, Ladavanh and Douangdaophet were part of a core team of Zero Waste Laos members who trained over 400 national staff members of Norwegian People's Aid to promote environmental awareness within its

Planting trees in Laos.



staff and reduce its environmental footprint. Key achievements include developing green office and operations monitoring tools, establishing a waste management system, and holding annual staff training. Norwegian People's Aid has reduced office waste sent to landfills by over 60 percent. Norwegian People's Aid has reduced office waste sent to landfills by over 60 percent.

In 2022, Norwegian People's Aid's collaboration with Zero Waste Laos included helping them implement a country-wide 'tree and seedling planting initiative' and organizing a series of "Youth Climate Action in Southern Laos" events. The tree planting initiative included distributing and planting 3,000 fruit trees at 100 schools. In total, with support from the European Union reinforced by unexploded ordnance clearance funded by the U.S. Department of State, Zero Waste Laos planted and distributed 8,200 fruit trees to schools throughout Laos in 2022.

Ladavanh says, "We have the distinction of being, per capita, the most heavily bombed nation in the world. The many connections between environmental protection and unexploded ordnance clearance efforts are underappreciated. People especially lack knowledge about how unexploded ordnance can be a source of harmful soil or water pollution, and about the need for better waste management in unexploded ordnance removal operations."

Ladavanh believes that unexploded ordnance clearance operators like Norwegian People's Aid can make a difference in addressing climate change. "By partnering with Zero Waste Laos, Norwegian People's Aid is taking steps in a greener direction."

Reducing office waste.



U.S. Ambassador to Cambodia, Patrick Murphy (second from the right), visits an active clearance site in Cambodia.

Image courtesy of The HALO Trust.



CAMBODIA



Cambodia faces a range of challenges due to explosive remnants of war from U.S. air strikes during the Vietnam War over its eastern and northeastern regions and along its border with Vietnam. Internal conflicts that ended in 1999 left behind additional explosive remnants of war. Extensive minefields were also laid by the Khmer Rouge, Royal Cambodian Armed Forces, Vietnamese, and Thai militaries during the Indochina Wars and Vietnamese occupation, especially along a 750-kilometer mined area on the Thai border known as the K5 mine belt. The United States joined Cambodia at its 30th Anniversary of Mine Action to celebrate Cambodia's success in mine action since 1992 and look to the future, as continued cooperation aims to make its land safe for the Cambodian people.

From FY1993 to FY2022, the United States invested more than \$191.8 million in Cambodia to conduct surveys, clear landmines and explosive remnants of war, support national capacity development, enhance weapons and ammunition management, and provide explosive ordnance risk education.

In FY2022, the Department of State supported:

- Teams working to clear dense anti-personnel and anti-tank minefields in the K5 mine belt in northwestern Cambodia.
- A cluster munition remnants survey in eastern Cambodia to identify new explosive hazards for clearance.
- Explosive ordnance risk education, reducing the risk of accidents and injuries in communities throughout the country.
- The explosive harvesting program to repurpose explosive material from excess ammunition stockpiles to destroy landmines and explosive remnants of war.
- Training for Royal Cambodian Armed Forces personnel at its military technical academy to improve capacity to manage weapons and ammunition, including significant progress on reducing obsolete or expired state-held stocks of small arms and light weapons and ammunition.
- A continued partnership with the Cambodian government to fund survey and clearance teams operated by the Cambodian Mine Action Center, a true partnership between both governments demonstrating the importance of humanitarian mine action.
- The United States and Cambodia concluded a five-year strategy to enhance the capacity of local clearance operators and operations.

- A five-year strategy to enhance capacity of a local clearance operator and its operations.

The Department of Defense Humanitarian Demining Research and Development Program, in cooperation with nongovernmental organizations, continued evaluating the Armored Remote-Control Chase Vehicle, the Badger tracked excavator, the Bearcat vegetation clearance system, handheld standoff mine detection systems, Mini and Medium MineWolf tilling systems, Nemesis and Rex tools, Rambo demining support vehicles, Scorpion unexploded ordnance detection systems, Traxx remote area preparation platforms, VMX10 unexploded ordnance detector, wet soil sifting excavator attachments, tracking devices, and the Little Storm rough terrain system.

CAMBODIA	FY20	FY21	FY22	FY93–22 TOTAL
DOS NADR - CWD	11,405	9,000	9,000	140,747
DOS OTHER	0	0	0	4,943
CDC	0	0	0	100
DOD	1,012	1,361	515	31,025
USAID	0	0	0	15,084
COUNTRY TOTAL	12,417	10,361	9,515	191,899

Dollars in thousands

IN FY2022:

- **41,059,936 SQUARE METERS (10,146 ACRES) LAND CLEARED**
 - **53,271,014 SQUARE METERS (13,164 ACRES) LAND RELEASED**
 - **65,165,073 SQUARE METERS (16,102 ACRES) CLUSTER MUNITIONS REMNANT SURVEY**
 - **3,433 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
 - **6,232 LANDMINES DESTROYED**
 - **17,887 EXPLOSIVE REMNANTS OF WAR DESTROYED**
 - **39,753 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
 - **83.79 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**
 - **6,937 SMALL ARMS AND LIGHT WEAPONS DESTROYED**
 - **8 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT**
 - **400 PERSONNEL TRAINED IN EXPLOSIVE ORDNANCE DISPOSAL**
- Golden West Humanitarian Foundation, The HALO Trust, Humanity and Inclusion, Landmine Relief Fund, Mines Advisory Group, Norwegian People's Aid

LAOS



Laos contains some of the highest levels of explosive remnants of war in the world, a majority of which are from U.S. aerial bombing campaigns conducted during the Vietnam War. Unexploded cluster munitions from that war remain in most of the country's 17 provinces. These and other types of unexploded ordnance continue to injure and kill civilians while removing productive land from cultivation and hindering economic growth. FY2022 marked a significant milestone, as surveys were completed in Savannakhet, Attapeu, Champasak, Salavan, and Xekong Provinces. This demonstrated our commitment to the people of Laos and will enable faster clearance of unexploded ordnance moving forward.

From FY1995 to FY2022, the United States invested more than \$355 million in Laos to support survey and clearance, explosive ordnance risk education, survivor assistance, and capacity development.

In FY2022, the Department of State supported:

- Survey and clearance operations in Savannakhet, Xiengkhouang, Champasak, Xekong, Salavan, and Attapeu Provinces.
- Cluster munitions remnants surveys, allowing the Lao Government to better establish clearance priorities so land can be returned to communities faster.
- Destruction of significant amounts of explosive remnants of war, with implementing partners conducting explosive ordnance disposal rapid response based on community requests throughout the year.
- A comprehensive study to identify best practices to enhance monitoring and evaluation efforts and improve ongoing explosive ordnance risk education programs.
- Operations for the national unexploded ordnance operator, UXO Lao, at its headquarters and in Luang Prabang, Houaphan, Khammouane, Savannakhet, Salavan, and Attapeu Provinces.

PALAU



Many of Palau's islands remain contaminated with explosive remnants of war from World War II. From FY2009 to FY2022, the United States invested more than \$6.3 million in conventional weapons destruction in Palau.

In FY2022, the Department of State continued to partner with the Government of Palau on its explosive remnants of war clearance program, responding to persistent unexploded ordnance challenges. This included conducting a survey to identify and record explosive hazards, clearing areas according to Palau's annual unexploded ordnance plan, and building Palau's capacity to independently manage its unexploded ordnance priorities.



An explosive ordnance disposal team stacks cleared explosive hazards in Palau.
Image courtesy of Norwegian Peoples Aid.

- The National Regulatory Authority's work overseeing the mine action sector in Laos, including a new project to enhance information management and improve the national database that tracks known hazardous areas.

With funding from the Department of Defense, U.S. Indo-Pacific Command conducted visits to assess the effectiveness of current programs and determine potential future cooperation.

With previous year funding from USAID, the Leahy War Victims Fund continued to support programs providing independent living support to persons with disabilities.

LAOS	FY20	FY21	FY22	FY95–22 TOTAL
DOS NADR - CWD	37,500	40,000	45,000	326,864
DOS OTHER	0	0	0	750
DOD	8	0	4	7,057
USAID	2,000	0	0	20,721
COUNTRY TOTAL	39,508	40,000	45,004	355,392

Dollars in thousands

IN FY2022:

- 36,704,676 SQUARE METERS (9,070 ACRES) LAND CLEARED
- 184,403,160 SQUARE METERS (45,567 ACRES) CLUSTER MUNITIONS REMNANT SURVEY
- 2,956 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS
- 39 LANDMINES DESTROYED
- 53,060 EXPLOSIVE REMNANTS OF WAR DESTROYED
- 120,146 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS
- 32 SURVIVOR ASSISTANCE RECIPIENTS

Center for International Stabilization and Recovery, The HALO Trust, Mines Advisory Group, Norwegian People's Aid, Tetra Tech, World Education, Inc.

ducting a survey to identify and record explosive hazards, clearing areas according to Palau's annual unexploded ordnance plan, and building Palau's capacity to independently manage its unexploded ordnance priorities.

With funding from the Department of Defense:

- The Humanitarian Demining Research and Development Program continued supporting the evaluation of the Mobile Bomb Cutter in Palau. To date, the cutter has destroyed 2,116 pieces of World War II-era unexploded ordnance.
- U.S. Indo-Pacific Command conducted visits to assess the effectiveness of current programs and determine potential future cooperation.

PALAU	FY20	FY21*	FY22	FY09–22 TOTAL
DOS NADR - CWD	800	820	0	5,931
DOD	110	73	115	404
COUNTRY TOTAL	910	893	115	6,335

Dollars in thousands

IN FY2022:

- 37,110 SQUARE METERS (9.2 ACRES) LAND CLEARED
- 402,392 SQUARE METERS (99.4 ACRES) LAND RELEASED
- 10 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS
- 1,276 EXPLOSIVE REMNANTS OF WAR DESTROYED
- 12 PERSONNEL TRAINED IN EXPLOSIVE ORDNANCE DISPOSAL

Norwegian People's Aid

VIETNAM



Vietnam remains heavily impacted by unexploded ordnance after 30 years of conflict from the Indochina Wars and the Vietnam War. Most of the unexploded ordnance are cluster munitions that are concentrated in provinces near the former Demilitarized Zone, including Quang Binh, Quang Tri, Ha Tinh, Thua Thien Hue, and Quang Nam Provinces. Significant concentrations of unexploded ordnance also remain in parts of southern Vietnam as well as landmine contamination along the country's northern border with China.

Vietnam's 10-year review of its National Action Program to Address Unexploded Ordnance highlighted achievements by Vietnam, as well as those by the United States and the international donor community, to develop the humanitarian mine action sector in Vietnam. Cooperation on unexploded ordnance survey and clearance continues to be a major foundation for the United States' engagement with the people of Vietnam.

From FY1993 to FY2022, the United States invested more than \$206 million for conventional weapons destruction programs in Vietnam that cleared unexploded ordnance and other explosive hazards, provided explosive ordnance risk education and survivor assistance to impacted communities, and supported national capacity development.

In FY2022, the Department of State supported

- Large-scale survey and clearance operations in the central provinces of Quang Tri and Quang Binh, which have the highest concentration of U.S.-origin unexploded cluster munitions.
- Operations in Thua Thien Hue province to enhance the technical capacity of the national mine action authority in the field, as well as identify and clear high priority sites with explosive hazard contamination.
- The Vietnam National Mine Action Center and two provincial mine action centers. With the provision of a technical advisor, information management support, and humanitarian mine action capacity building, the United States is helping these centers develop the expertise to carry out a national humanitarian mine action program independent of U.S. assistance.
- Explosive ordnance risk education in primary and secondary schools in Da Nang, Quang Binh, Quang Nam, Quang Tri, and Thua Thien Hue provinces.

The Department of Defense Humanitarian Demining Research and Development Program continued evaluating the Scorpion unexploded ordnance detection system, Bearcat vegetation clearance system, two area preparation vegetation removal attachments, and a rotary sifter for mine and unexploded ordnance clearance.

In addition, the U.S. Indo-Pacific Command helped Vietnam reduce the social, economic, and environmental impact of landmines and explosive remnants of war through their detection and clearance. U.S. Indo-Pacific Command also provided casualty care to survivors and furnished humanitarian mine action-related equipment, education, training, and technical assistance.

As part of multi-regional programs, USAID's Leahy War Victims Fund strengthened Vietnam's rehabilitation sector and integrated rehabilitation into existing healthcare systems.

VIETNAM	FY20	FY21	FY22	FY93–22 TOTAL
DOS NADR - CWD	17,500	18,200	19,000	168,680
CDC	0	0	0	1,848
DOD	584	1,387	1,268	8,860
USAID	0	0	0	26,799
COUNTRY TOTAL	18,084	19,587	20,268	206,187

Dollars in thousands

IN FY2022:

- **47,708,063 SQUARE METERS (11,789 ACRES) LAND CLEARED**
- **67,750,000 SQUARE METERS (16,741 ACRES) CLUSTER MUNITIONS REMNANT SURVEY**
- **3,641 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- **9 LANDMINES DESTROYED**
- **30,618 EXPLOSIVE REMNANTS OF WAR DESTROYED**
- **2,023,276 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
- **15 PERSONNEL TRAINED IN EXPLOSIVE ORDNANCE DISPOSAL**

IP Catholic Relief Services, International Committee of the Red Cross, Mines Advisory Group, Norwegian People's Aid, PeaceTrees Vietnam, World Health Organization



Ambassador Bonnie Jenkins (left), U.S. Under Secretary of State, makes a site visit in Quang Tri, Vietnam.

Image courtesy of Mines Advisory Group.



A UXO Lao mobile quality management team inspects clearance site documentation during a quality assurance visit in Laos.

Image courtesy of Tetra Tech.

REGIONAL PROGRAMS

Cambodia, Laos, Palau, Thailand, and Vietnam continued receiving U.S. support through the Geneva International Centre for Humanitarian Demining, over and above the United States' bilateral conventional weapons destruction assistance to those countries. This builds on previous assistance to help authorities conduct long-term risk management.

OTHER U.S. SUPPORT

Burma: With prior year funding from USAID's Leahy War Victims Fund, the United Nations Office for Project Services, through small grants to local non-governmental organizations, worked to ensure civilian victims of conflict and persons with disabilities have access to health, rehabilitation, and assistive technology services and provided support to their families and communities; and supported Johns Hopkins University-Bloomberg School of Public Health to strengthen localized non-governmental health systems that are responsive to rehabilitation needs across survivors' lifespans as part of a multi-country program.

Papua New Guinea: U.S. Indo-Pacific Command conducted visits to assess the effectiveness of current programs and determine potential future cooperation.

Solomon Islands: U.S. Indo-Pacific Command conducted visits to assess the effectiveness of current programs and continue developing an indigenous, sustainable humanitarian mine action program.

Thailand: The Department of Defense Humanitarian Demining Research and Development Program, in partnership with the Thailand Mine Action Center, continued evaluating its Mini MineWolf, an earth-tilling

This project addresses the physical risks from explosive remnants of war and builds the national capacity of mine action authorities and governments to create long-lasting success in managing clearance of landmines and explosive remnants of war.

system capable of clearing anti-personnel and anti-tank landmines, as well as an Armored Remote Control Chase Vehicle. The U.S. Indo-Pacific Command continued to support Thailand's detection and clearance programs to reduce the social, economic, and environmental impact of landmines and explosive remnants of war. U.S. Indo-Pacific Command also continued to provide casualty care to survivors and furnished humanitarian mine action-related equipment, education, training, and technical assistance.

Timor-Leste: U.S. Marine Corps Forces, Pacific continued to enhance Timor-Leste's explosive ordnance disposal capacity by conducting train-the-trainer instruction on site survey, training lane/training support construction, technical and non-technical survey, and mentorship. This training, which was at the direction of U.S. Indo-Pacific Command, included skill development, program assessment, and advice on capacity development. U.S. Indo-Pacific Command also provided casualty care to survivors and furnished humanitarian mine action-related equipment, education, training, and technical assistance.

U.S. DEPARTMENT OF STATE Quick Reaction Force:



Ready to Help Avert or Respond to Emergencies Worldwide

The Quick Reaction Force (QRF) is a team of civilian explosive ordnance disposal experts that serves as the State Department's Office of Weapons Removal and Abatement's first responders to conventional weapons destruction emergencies worldwide, including munitions depot explosions, ammunition depots at risk of imminent explosions, and clearance of explosive remnants of war that present an imminent danger to civilians. These situations require fast action to secure or dispose of poorly guarded or unstable ammunition, prevent loss of life, protect critical infrastructure, and conduct needs assessments for further conventional weapons destruction help.

"The QRF is one of the more unique foreign assistance capabilities that the United States has to offer," remarks Karen Chandler, Director of the Office of Weapons Removal and Abatement. "In a world where military depots are often directly adjacent to or even within communities with growing civilian populations, it has become tragically common for unplanned explosions of aging, insecure, or unstable ammunition to threaten many lives. The QRF's ability to respond flexibly, with high levels of capability and speed, is unparalleled."

Besides being ready to respond to catastrophic explosions, the QRF can also provide foreign governments with expert advice on proper physical security and stockpile management of their munitions, advice that can

avert disasters. Director Chandler observes that "It's better for foreign governments, their citizens, and for the U.S. taxpayers, frankly, if the QRF is invited to advise on proper physical security and stockpile management, and for their advice to be followed, than it is for the QRF to respond after massive explosions have killed and injured innocent civilians and destroyed civilian infrastructure."

The Golden West Humanitarian Foundation, the Office of Weapons Removal and Abatement's implementing partner for the QRF, is an American non-profit charity specializing in humanitarian demining, battle area clearance, physical security and stockpile management, and safely "harvesting" explosives to create affordable and effective "donor charges."

<https://www.state.gov/bureaus-offices/under-secretary-for-arms-control-and-international-security-affairs/bureau-of-political-military-affairs/office-of-weapons-removal-and-abatement/>

SINCE 2001, THE QRF AND ITS PRECURSOR, THE QUICK REACTION DEMINING FORCE, HAVE DEPLOYED TO

Albania | Bosnia and Herzegovina | Bulgaria | Cambodia | Croatia | Cyprus | Democratic Republic of the Congo
Equatorial Guinea | Federated States of Micronesia | Guatemala | Iraq | Kazakhstan | Kiribati | Kyrgyz Republic | Liberia
Libya | Malawi | Marshall Islands | Papua New Guinea | Palau | Paraguay | Peru | Philippines | Saint Kitts and Nevis
Serbia | Sierra Leone | Solomon Islands | Sri Lanka | Sudan | Tanzania | Tuvalu | Ukraine | Uruguay | Vietnam



This is the devastation the QRF found when it arrived in Brazzaville after the 2012 unplanned explosion there.

Image courtesy of the Golden West Humanitarian Foundation.

EUROPE

ALBANIA | ARMENIA | AZERBAIJAN | BOSNIA AND HERZEGOVINA | BULGARIA | CROATIA
CYPRUS | ESTONIA | GEORGIA | KOSOVO | MOLDOVA | MONTENEGRO
NORTH MACEDONIA | SERBIA | UKRAINE

The United States conventional weapons destruction program continues to support regional security, national capacity building, and economic development in Eastern Europe and the Western Balkans. Funding from the United States and other donors has freed much of Southeast Europe from the impact of landmines and explosive remnants of war and enabled significant progress to reduce stockpiles of aging and excess munitions.

The U.S. Government's investment in physical security and stockpile management helps reduce the risk of illicit transfers of small arms and light weapons to nefarious

actors and prevent accidental explosions at depots storing excess, obsolete, and aging ammunition. In FY2022, U.S.-funded projects across the region continued to help partners ensure their at-risk stockpiles are stored according to international standards, and to properly dispose obsolete or excess ammunition.

Landmines and explosive remnants of war continue to impact many communities in parts of eastern Europe. Explosive hazards from the Yugoslav wars in the Balkans and Russia's full-scale invasion of Ukraine prevent families from returning home, block rebuilding efforts, and

A non-technical survey is conducted in a field in Ukraine hit by a rocket strike.

Image courtesy of Swiss Foundation for Demining.



hinder economic development. In FY2022, U.S. funded projects cleared landmines and explosive remnants of war, while also building local capacity so partners can address future hazards on their own over the long term. The United States also continues to provide explosive ordnance risk education to vulnerable people and communities.

Conventional weapons destruction is a key component of U.S. diplomatic outreach to partner countries in Eastern Europe and the Balkans. Our investments in landmine and unexploded ordnance clearance, survivors' assistance, explosive ordnance risk education, and physical security and stockpile management deepen people-to-people ties and foster relationships based on saving lives and improving regional security.

Since 1993, the United States has invested more than \$636 million in Europe for explosive ordnance clearance, risk education, survivors' assistance, and to improve stockpile security and destroy excess munitions.



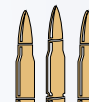
3,450,814
SQ M LAND RETURNED
TO COMMUNITIES



322
LANDMINES
DESTROYED



2,086
EXPLOSIVE REMNANTS
OF WAR DESTROYED



1,730
METRIC TONS OF
AMMUNITION DESTROYED

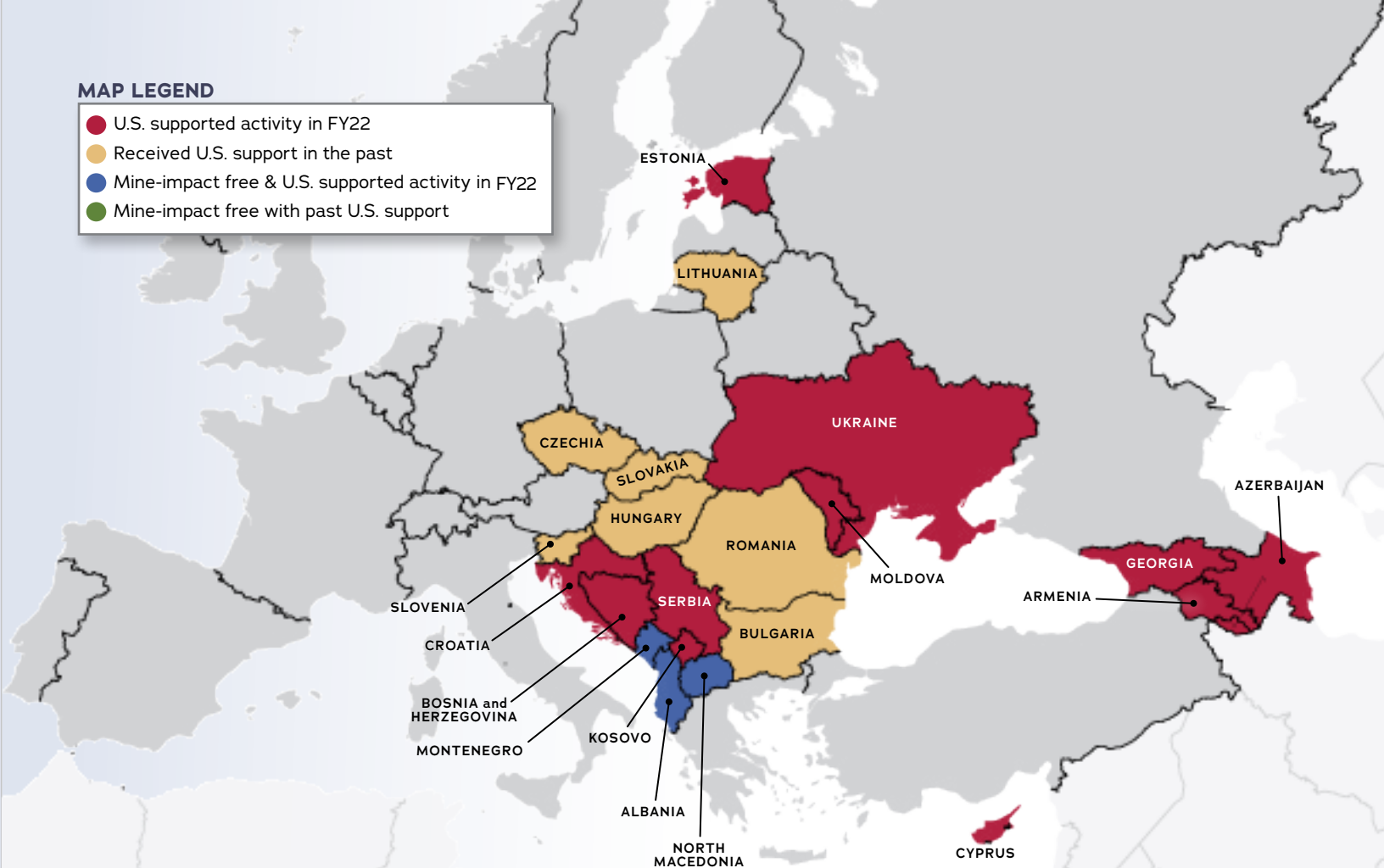


67,536¹
RISK EDUCATION
RECIPIENTS

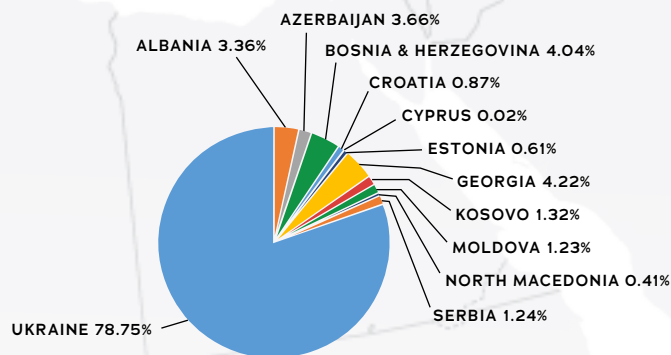
1. This total reflects the number of recipients reached through in-person risk education. More than 18 million additional recipients were reached through social media in Ukraine.

MAP LEGEND

- U.S. supported activity in FY22
- Received U.S. support in the past
- Mine-impact free & U.S. supported activity in FY22
- Mine-impact free with past U.S. support



EUROPE	FY93-19	FY20	FY21	FY22	TOTAL
REGIONAL	275	100	0	0	375
ALBANIA	47,272	2,807	1,413	3,880	55,372
ARMENIA ¹	14,205	0	0	0	14,205
AZERBAIJAN	30,971	0	500	4,225	35,696
BOSNIA and HERZEGOVINA	121,286	3,022	4,422	4,665	133,395
BULGARIA	12,530	0	300	0	12,830
CROATIA	41,604	585	2,213	1,005	45,407
CYPRUS	621	0	0	25	646
CZECHIA	600	0	0	0	600
ESTONIA	5,216	0	0	704	5,920
GEORGIA	38,532	4,613	1,980	4,875	50,000
HUNGARY	350	0	0	0	350
KOSOVO	37,419	5,249	1,497	1,520	45,685
LITHUANIA	500	0	0	0	500
MOLDOVA	2,823	1,582	2,189	1,420	8,014
MONTENEGRO	12,526	0	1,700	0	14,226
NORTH MACEDONIA	2,343	348	357	479	3,527
ROMANIA	2,519	0	0	0	2,519
SERBIA	22,540	1,000	1,294	1,430	26,264
SERBIA and MONTENEGRO ²	5,646	0	0	0	5,646
SLOVAKIA	0	1,000	0	0	1,000
SLOVENIA	270	0	0	0	270
UKRAINE	55,150	14,119	13,798	91,286	174,353
TOTAL	455,198	34,425	31,663	115,514	636,800



PERCENTAGE OF THE \$115 MILLION ALLOCATED TO EUROPE IN FY2022 BY COUNTRY

**\$115
MILLION**

**U.S. FUNDING
IN FY2022**

**\$637
MILLION**

**U.S. FUNDING
FY1993-FY2022**

TOTAL U.S. CONVENTIONAL WEAPONS DESTRUCTION FUNDING IN EUROPE FY1993-FY2022

1. Countries with activities in FY22 that were solely funded through Global/Multi-Country funding, but received direct funding in the past.
2. Serbia and Montenegro split into two countries in 2007.



Inspection and analysis of ammunition disposal waste in Elbasan, Albania.

Image courtesy of ITF Enhancing Human Security.

ALBANIA



Albania declared itself mine free in 2009 but unexploded ordnance remains at some former military ranges and depot explosion sites. These are known in Albania as unexploded ordnance 'hotspots' and continue to pose a threat to the local population. From FY2000 to FY2022, the United States invested more than \$55.3 million in Albania to clear hotspots, enhance stockpile security, and fund munitions disposal. Thanks to this assistance, Albania now has the capacity to finish clearing remaining hazards on its own.

In FY2022, the Department of State supported:

- Security upgrades to Ministry of Interior ammunition and weapons storage facilities. These made the facilities safer and compliant with international standards, and the upgrades provided more secure weapons storage for the Albanian State Police.
- Ongoing activities to safely dispose of waste generated by prior conventional weapons and ammunition destruction activities.

With funding from the Department of Defense:

- The New Jersey National Guard and Marine Corps Forces Europe provided a train-the-trainer course on International Mine Action Standards explosive ordnance disposal Level 3.
- Ammunition subject matter experts from the New Jersey National Guard completed a physical security stockpile management founda-

tion course with the Albanian Ministry of Defense that was compliant with the International Ammunition Technical Guidelines.

- U.S. European Command continued renovations at two ammunition storage facilities at Miraka and the Engineer Battalion Tirana to improve security fencing, perimeter lighting, and renovate explosive storehouses. In addition, they provided instruction on Basic Introduction to Ammunitions and Physical Security Stockpile Management, Introduction to Risk Management, and Class V Accounting.
- The U.S. Air Forces in Europe also continued to mentor the Albanian government personnel by updating national regulations, teaching international best practices for humanitarian mine action programs.

ALBANIA	FY20	FY21	FY22	FY00–22 TOTAL
DOS NADR - CWD	1,000	750	500	45,497
DOD	1,807	663	3,380	8,486
USAID	0	0	0	1,389
COUNTRY TOTAL	2,807	1,413	3,880	55,372

Dollars in thousands

IN FY2022:



3 ARMORIES BUILT OR REHABILITATED



ITF Enhancing Human Security, United Nations Development Programme-South Eastern Europe Clearing House for the Control of Small Arms and Light Weapons

BOSNIA AND HERZEGOVINA:

Managing **Wildfires** with Humanitarian Mine Action

Article and images courtesy of Mines Advisory Group.

The Čavaš land release project is located in the municipality of Ravno, Bosnia and Herzegovina. Ravno is on a hillside along the eastern edge of the or Popovo field, which regulates the flow of the Trebisnjica river and is the main factor for economic development and agricultural production in the region. Close to this sits the suspected hazardous area near the village of Čavas.

Adding to the dangers from landmines and explosive remnants of war, the area has struggled in recent years with wildfires that are an even more significant danger for beekeepers, hunters, farmers, and residents living in the immediate vicinity of the suspected minefield.

The inability of firefighters to fight wildfires due to the minefield creates consequences for a wider area than the mined area, as an uncontrolled fire in a minefield can spread to non-risk areas, causing damage on a larger scale. Wildfires in 2020 and 2021 destroyed much of the area's flora and fauna and damaged surrounding towns and buildings.

During their land release project, the Mines Advisory Group community liaison team interviewed local residents to gather additional information about mines and explosive remnants of war. Residents testified about their fears of mines and explosive remnants of war,

the consequences of their inability to move freely in these areas, and inability to use land that could benefit their households. The community liaison team also noted and addressed the high-risk behaviors of local people, who would work in contaminated areas to feed their families.

In December 2021, the Mines Advisory Group demining team began work in Čavaš and released a total area of over 1.2 million square meters (more than 314 acres) in June 2022, clearing the area of 18 anti-personnel mines and 21 explosive remnants of war.

These successful clearance and release efforts have allowed residents to access their lands to extinguish and prevent future wildfires, restore local flora and fauna, and further develop the beekeeping for which the area is known. All of this has had an extremely positive impact on their safety, nutrition, and economic potential.

Antonio (firefighter):

When Antonio was around eight years old, he was walking close to the house to help collect firewood.

"As I was walking, I felt pressure on my shin, and I hesitated and looked down. My father said, 'Don't move!' I froze. He eased my leg back and followed the camouflaged tripwire to a green metal object placed next to a tree. It was a landmine. I had been so lucky. I trusted my father and I stayed calm. But there were more landmines near our home."

Antonio now works as a firefighter and still faces danger from landmines and explosive remnants of war on a regular basis, especially in the summer.

"In this area, we get a lot of wildfires, and we have to respond to protect people and their properties. But this area was a major battle zone, with landmines and unexploded bombs everywhere. When I am dealing with a wildfire, I jump from rock to rock to get around. Often there are explosions as the fires set things off. It can be dangerous. I remember while we were dealing with one fire, there were 27 explosions. That was a lot! Six months ago, we were fighting a big fire behind a wall when a fireball came toward us. There was a huge explosion. My friend was blown back about two meters. Something had exploded on the other side of the wall. He was okay, thankfully."

Milenko (local beekeeper and farmer):

"I know this is a risky area. There was a wildfire last July, with many explosions. So we are used to the danger, but it isn't easy. When the bees swarm, we have to go and collect them, which can be dangerous."

I am here today to check the bees and do some plowing. I grow vegetables. It is hard with the kids; I can't watch them all the time, and there are landmines around.

This is a very special area for medicinal herbs. We know of 12 different medicines, and the bees feed on them.

In 2008, we sent samples of the honey to a specialist laboratory in France and they found 20 different pollens they had never seen before. That is amazing!"



Milenko and his nephew work with their beehives.

BOSNIA AND HERZEGOVINA



Thirty years after the breakup of Yugoslavia and subsequent regional conflicts, Bosnia and Herzegovina remains heavily contaminated with landmines and explosive remnants of war. Most remaining minefields are in formerly contested areas along the separation line between Bosnia and Herzegovina's two political entities: the Federation of Bosnia and Herzegovina and Republika Srpska. As of September 2022, the Bosnia and Herzegovina Mine Action Center estimated that more than 887 million square meters (219,182 acres) of its territory may still be contaminated with explosive hazards.

From FY1996 to FY2022, the United States invested more than \$133.3 million in Bosnia and Herzegovina to clear landmines, provide explosive ordnance risk education and survivors assistance, and destroy munitions stockpiles.

- In FY2022, the Department of State supported:
- Numerous survey and clearance operations across Bosnia and Herzegovina.
 - A program to connect schools in Bosnia and Herzegovina with schools in the United States as a part of the broader Children Against Mines Program.
 - Explosive ordnance risk education, as well as prosthetics and rehabilitative care to landmine survivors.
 - Destruction of excess and obsolete ammunition by the Armed Forces of Bosnia and Herzegovina.

The Department of Defense Humanitarian Demining Research and De-

velopment Program continued to support the evaluation of the Rambo demining team support vehicle and the Target Reacquisition and Positioning System to facilitate project planning, supervision, and mapping.

BOSNIA AND HERZEGOVINA	FY20	FY21	FY22	FY96–22 TOTAL
DOS NADR - CWD	3,000	4,400	4,650	103,505
DOS OTHER	0	0	0	1,000
CDC	0	0	0	3,210
DOD	22	22	15	5,180
USAID	0	0	0	20,500
COUNTRY TOTAL	3,022	4,422	4,665	133,395

Dollars in thousands

IN FY2022:

- 737,725 SQUARE METERS (182 ACRES) LAND CLEARED
 - 4,225,903 SQUARE METERS (1,044 ACRES) LAND RELEASED
 - 310 LANDMINES DESTROYED
 - 285 EXPLOSIVE REMNANTS OF WAR DESTROYED
 - 39,886 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS
 - 21 SURVIVOR ASSISTANCE RECIPIENTS
 - 98 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED
- ITF Enhancing Human Security, Marshall Legacy Institute, Mine Detection Dog Center in Bosnia and Herzegovina, Mines Advisory Group, Tetra Tech

BULGARIA



Bulgaria declared itself mine free in 1999 when the last minefields along its border with Greece were cleared. However, its massive Cold War-era stockpiles of conventional arms and ammunition pose serious challenges related to safety, security, and logistics. U.S. conventional weapons destruction assistance plays a key role helping Bulgaria's Ministry of Defense reduce stockpiles of aging, unserviceable, or obsolete conventional arms and ammunition.

From FY1999 to FY2022, the United States provided more than \$12.8 million for conventional weapons destruction in Bulgaria.

In FY2022 (with prior year funds), the Department of State supported:

- Destruction of aging, unserviceable, or obsolete ammunition

BULGARIA	FY20	FY21	FY22	FY99–22 TOTAL
DOS NADR - CWD	0	300	0	12,779
DOD	0	0	0	51
COUNTRY TOTAL	0	300	0	12,830

Dollars in thousands

IN FY2022:

- 254.4 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED
- NATO Support and Procurement Agency

CROATIA



Some communities in Croatia are still affected by landmines and explosive remnants of war from the Yugoslav Wars of 1991–2001. Croatia maintains a robust commercial humanitarian demining sector, which works in Eastern Europe and elsewhere. The Croatian Government funds most demining projects, in addition to research and development for demining-related technologies. Croatia also maintains a stockpile of conventional arms and ammunition inherited from the Yugoslav national military that exceeds its national defense requirements. Much of this material is beyond its useful life, making it at risk for accidental detonation, and it urgently requires safe disposal. While Croatia has successfully reduced some stockpiles of conventional arms and ammunition, further destruction and demilitarization is needed.

From FY1999 to FY2022, the United States provided more than \$45.4 million for conventional weapons destruction in Croatia.

- In FY2022 (with prior year funds), the Department of State supported:
- Programs to demilitarize or destroy excess and aging ammunition.
- With funding from the Department of Defense:
- Explosive ordnance disposal mobile units from U.S. Naval Forces Europe provided Croatian Ministry of Defense forces in Split with

train-the-trainer instruction to International Mine Action Standards explosive ordnance disposal Level 3 Phase 2 and Phase 3. This training increased Croatia's capability to train its forces and was essential for them to continue at underwater explosive ordnance disposal Level 3+.

- Naval Forces Europe continued renovations at the National Humanitarian Demining Training Center in Split to provide a gender-inclusive training center for humanitarian mine action, explosive ordnance disposal, SCUBA Diver, and underwater explosive remnants of war clearance, as well as an explosive ordnance disposal training range.

CROATIA	FY20	FY21	FY22	FY99–22 TOTAL
DOS NADR - CWD	0	1,200	0	41,928
DOD	585	1,013	1,005	3,479
COUNTRY TOTAL	585	2,213	1,005	45,407

Dollars in thousands

IN FY2022:

- 916.73 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED
- ITF Enhancing Human Security



In Georgia, outdated and hazardous 23 millimeter ammunition is disposed of with a rotary machine that extracts the projectile from the cartridge and simultaneously removes the propellant.

Image courtesy of ITF Enhancing Human Security.

GEORGIA



Georgia inherited large stockpiles of deteriorating Soviet munitions that are now more than 30 years old. It is also impacted by landmines and unexploded ordnance from the conflicts in its South Ossetia (1988–1992) and Abkhazia (1992–1993) regions, and the 2008 conflict with Russia.

From FY1998 to FY2022, the United States provided \$50 million to Georgia for the safe disposal of mines and unexploded ordnance, destruction of excess and aging conventional weapons and ammunition, and capacity building assistance to help Georgia address future hazards on its own over the long term.

In FY2022, the Department of State supported:

- The Ministry of Defense’s continued efforts to responsibly and safely destroy excess and obsolete ammunition, improve the storage conditions of ammunition prior to disposal, and strengthen security at ammunition storage facilities.

With funding from the Department of Defense:

- Explosive ordnance disposal teams from the Minnesota Air National Guard monitored Georgian instructors as they taught an International Mine Action Standards explosive ordnance disposal Level 2 course to new Georgian explosive ordnance disposal forces.
- Ammunition subject-matter experts from the (U.S) Georgia National Guard taught a course on International Ammunition Technical Guidelines compliant physical security and stockpile management. They also worked closely with the Ministry of Defense and Ministry of Interior to develop Georgia’s new National Regulations

on Ammunition and Explosive Safety and align them with the International Ammunition Technical Guidelines and best practices.

- U.S. European Command upgraded the Vartsikhe munitions central storage facility with security fencing, equipment, and on-the-job training on how to safely transport, store, and inspect munitions. European Command also worked with the Ministries of Defense and Interior on initial development of National Regulations on Ammunition and Explosive Safety. In addition, European Command mentored Georgian personnel on the Class V (Ammunition) accounting system.

With multi-country funding from USAID, the Leahy War Victims Fund supported integrating and strengthening rehabilitation services in existing healthcare systems.

GEORGIA	FY20	FY21	FY22	FY98–22 TOTAL
DOS NADR - CWD	2,300	0	1,000	32,405
DOS OTHER	0	0	0	2,644
DOD	1,811	1,980	3,875	10,451
USAID	502	0	0	4,500
COUNTRY TOTAL	4,613	1,980	4,875	50,000

Dollars in thousands

IN FY2022:



451.9 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED
 ITF Enhancing Human Security, Results for Development,
 World Health Organization



Battle area clearance technicians in Kosovo map an area with a large loop detector.

Image courtesy of The HALO Trust.

KOSOVO



Unexploded ordnance contamination continues to threaten human security and limit economic development in Kosovo. What remains is primarily from the conflict between the Federal Republic of Yugoslavia and the Kosovo Liberation Army in the late 1990s, and later from NATO air strikes during the 1999 Kosovo conflict. As of September 2022, the Kosovo Mine Action Center reported 11.5 million square meters (2,841 acres) of land still contaminated by landmines and cluster munitions spread across 80 sites.

From FY1996 to FY2022, the United States provided more than \$45.6 million in assistance to Kosovo for technical and non-technical survey and battle area clearance.

In FY2022, the Department of State supported:

- Survey and battle area clearance to return land to the local population for their safe and productive use.

With funding from the Department of Defense:

- The Humanitarian Demining Research and Development Program continued to deploy handheld standoff dual-head mine detectors, the Scorpion unexploded ordnance detection system, and new commercial detectors.

- The U.S. Air Forces in Europe provided train-the-trainer courses to Kosovo Security Forces on International Mine Action Standards explosive ordnance disposal Level 2 Phase 3, and Golden West Humanitarian Foundation conducted a physical security and stockpile management foundation course.
- Ammunition experts from the Iowa National Guard also conducted a thorough assessment of the Kosovo Security Forces Ammunition Storage plan.

KOSOVO	FY20	FY21	FY22	FY96–22 TOTAL
DOS NADR - CWD	5,000	1,000	800	21,525
DOD	249	497	720	6,688
USAID	0	0	0	17,472
COUNTRY TOTAL	5,249	1,497	1,520	45,685

Dollars in thousands

IN FY2022:

1,065,989 SQUARE METERS (312 ACRES) LAND CLEARED

194,645 SQUARE METERS (48 ACRES) LAND RELEASED

159 EXPLOSIVE REMNANTS OF WAR DESTROYED

The HALO Trust, Norwegian People's Aid, Golden West Humanitarian Foundation

MONTENEGRO



Montenegro has unexploded ordnance from the conflicts during the breakup of the former Federal Republic of Yugoslavia in the 1990s, and from NATO air strikes during the 1999 Kosovo conflict. Montenegro also has a substantial stockpile of aging ammunition inherited from the Yugoslav national military that exceeds its national defense requirements and is beyond its useful life.

From FY2007 to FY2022, the United States invested more than \$14.2 million in Montenegro for ammunition destruction, stockpile security improvements, and landmine and unexploded ordnance clearance. Thanks in part to previous capacity building efforts, Montenegro no longer needs U.S. assistance to address its residual unexploded ordnance.

- In FY2022, the Department of State supported:
- The reduction of national stockpiles of excess and obsolete small arms and ammunition.
 - The improvement of munitions storage facilities to prevent illicit diversion or unplanned explosions.

MONTENEGRO	FY20	FY21	FY22	FY07–22 TOTAL
DOS NADR - CWD	0	1,700	0	12,299
DOD	0	0	0	1,927
COUNTRY TOTAL	0	1,700	0	14,226

Dollars in thousands

IN FY2022:

 **9.34 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**

 **ITF Enhancing Human Security**

SERBIA



Serbia’s unexploded ordnance is the result of the Yugoslav Wars of 1991–2001 and NATO air strikes during the 1999 Kosovo conflict. Landmines also persist along Serbia’s border with Kosovo. As of September 2022, 561,800 square meters (138 acres) of land in the municipality of Bujanovac remained as confirmed or suspected landmine hazard areas. Cluster munitions are confirmed or suspected in three additional municipalities for a total area of 997,622 square meters (246 acres). The large stockpiles of obsolete ammunition inherited from the former Yugoslav National Army also pose a significant risk of illicit proliferation and accidental explosions

From FY2007 to FY2022, the United States invested more than \$26.2 million in Serbia to destroy small arms, light weapons, and ammunition, and clear cluster munitions, landmines, and unexploded ordnance.

- In FY2022 the Department of State supported:
- Survey and clearance at Bujanovac and Tutin to remediate the impact of cluster munitions and landmines.
 - The Serbian Ministry of Defense, in destroying surplus ammunition at the Tehnički Remontni Zavod Kragujevac demilitarization facility
 - Safety and security enhancements to the Ministry of Interior’s Duvanište storage site.
 - Physical security and stockpile management training provided to the Ministry of Interior to ensure proper oversight.

With funding from the Department of Defense, U.S. Air Forces in Europe conducted an International Mine Action Standards explosive ordnance disposal Level 1 train-the-trainer event.

SERBIA	FY20	FY21	FY22	FY07–22 TOTAL
DOS NADR - CWD	1,000	1,000	1,000	25,230
DOD	0	294	430	1,034
COUNTRY TOTAL	1,000	1,294	1,430	26,264

Dollars in thousands



Disassembling a rocket motor in Montenegro.

Image courtesy of ITF Enhancing Human Security.

IN FY2022:

 **323,795 SQUARE METERS (80 ACRES) LAND CLEARED**

 **9 LANDMINES DESTROYED**

 **8 EXPLOSIVE REMNANTS OF WAR DESTROYED**

 **ITF Enhancing Human Security, NATO Support and Procurement Agency, United Nations Development Programme-South Eastern Europe Clearing House for the Control of Small Arms and Light Weapons**

An elderly gentleman and his dog sit outside a building in Ukraine destroyed by Russian shelling.

Image courtesy of Mines Advisory Group.



UKRAINE



Russia's full-scale invasion in February 2022 has intentionally littered massive swaths of Ukraine with landmines, unexploded ordnance, and improvised explosive devices, which block access to farmland, impede reconstruction efforts, prevent displaced families from returning to their homes, and continue to kill and maim innocent Ukrainian civilians. As of September 2022, the Government of Ukraine estimated that 160,000 square kilometers of its territory may have explosive hazards—this is an area roughly the size of Virginia, Maryland, and Connecticut combined (or nearly twice the size of Austria). Ukraine's Ministry of Agriculture estimates that approximately 10 percent of the country's farmland has explosive hazards that make it too dangerous to farm. Russia's brutal invasion is thus further worsening the global food crisis.

From FY2004 to FY2022, the United States invested more than \$174 million in Ukraine for humanitarian mine action and to help the Ministry of Defense to safely manage its ammunition stockpiles. This includes \$27.4 million provided after Russia's initial invasion of Ukraine in 2014 to support survey and clearance operations along what was then the heavily mined line of contact in Donetsk and Luhansk Oblasts and provide capacity-building assistance to Ukraine's demining authorities.

In FY2022, the Department of State's conventional weapons destruction program supported:

- Survey and clearance of suspected and confirmed hazardous areas.
- Digital and in-person explosive ordnance risk education for at-risk civilians.
- Capacity-building assistance.

This assistance has helped the Government of Ukraine to coordinate and oversee both its own teams and the rapidly expanding humanitarian mine action assistance provided by the United States and the international community. The Office of Weapons Removal and Abatement and its interagency man-portable air defense systems (MANPADS) task force coordinate U.S. and Allied efforts to bolster the accountability of weapons storage in Ukraine and neighboring states as part of broader U.S. efforts to mitigate potential conventional weapons diversion.

In February 2022, the Department of State's demining partners evacuated their personnel and assets from eastern Ukraine. After Ukraine repelled Russia's forces around Kyiv. In February 2022 the Department of State's demining partners initially evacuated their personnel and assets from eastern Ukraine. After Ukraine repelled Russia's forces around Kyiv, our partners redeployed in areas of Kyiv and Chernihiv Oblasts liberated from Russia's forces to facilitate recovery efforts and prevent civilian casualties. By the end of FY2023, the Department will invest a total of \$91.5 million in demining assistance, which includes regularly budgeted and supplemental FY2022 funding as well as prior year funding (this does not include expected FY2023 funding not finalized at the time of printing). This is more than all prior assistance to Ukraine combined. Our assistance trains Government of Ukraine demining and explosive ordnance disposal teams to international standards and equips them with the necessary tools to perform their duties, while also supporting the deployment of additional contractor and nongovernmental organization clearance teams, as well as explosive ordnance risk education teams to accelerate demining efforts.



Through its Ukraine Rapid Response Fund, the U.S. Department of State's Bureau of Conflict and Stabilization Operations provided land-based and underwater metal detectors for first responders from Ukraine's State Emergency Service to help emergency personnel locate explosive remnants of war and related hazards near civilian infrastructure and populated areas.

Through the Nonproliferation and Disarmament Fund, the U.S. Department of State's Bureau of International Security and Nonproliferation provided explosive ordnance disposal equipment to the State Emergency Service to enhance its emergency response. The Department also provided metal detectors to the Ministry of Defense and initiated an agreement for in-country demining training for the Ministry of Defense scheduled for FY2023.

The U.S. Department of State's Bureau of International Narcotics and Law Enforcement Affairs provided vehicles, metal detectors, bomb suits, explosive ordnance disposal equipment, and extensive training to enhance the National Police of Ukraine's emergency response capacity.

With funding from the Department of Defense:

- The Humanitarian Demining Research and Development Program continued to support the deployment of the Harrow Magnet area preparation and clearance system and the evaluation of the Traxx remote vegetation clearance system.
- U.S. European Command is working closely with the Department of State and international partners to coordinate equipment and training to Ukrainian forces.

As part of multi-regional programs, USAID's Leahy War Victims Fund developed health systems responsive to the need for rehabilitation, strengthened the delivery of rehabilitation services, and integrated rehabilitation services in existing healthcare systems.

UKRAINE	FY20	FY21	FY22	FY04-22 TOTAL
DOS NADR - CWD	8,500	10,397	71,000	138,464
DOS OTHER	1,155	2,684	19,500	23,339
DOD	4,464	717	786	8,593
USAID	0	0	0	3,957
COUNTRY TOTAL	14,119	13,798	91,286	174,353

Dollars in thousands

IN FY2022:

 **560,372 SQUARE METERS (138 ACRES) LAND CLEARED**

 **258,873 SQUARE METERS (63 ACRES) LAND RELEASED**

 **44 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**

 **534 EXPLOSIVE REMNANTS OF WAR DESTROYED**

 **26,872¹ EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**

Danish Refugee Council, Geneva International Centre for Humanitarian Demining, The HALO Trust, Johns Hopkins University-Bloomberg School of Public Health, Momentum for Humanity, NATO Support and Procurement Agency, Organization for Security and Co-operation in Europe, Spirit of Soccer, Swiss Foundation for Mine Action, Tetra Tech, World Health Organization

1. This total reflects the number of recipients reached through in-person risk education. More than 18 million additional recipients were reached through social media in Ukraine.

A landmine warning sign in English, Russian, and Azeri marking a clearance site in the South Caucasus region.

Image courtesy of The Center for International Stabilization and Recovery.



REGIONAL PROGRAMS

South Caucasus Regional Program: In September 2022, the Department of State provided \$2,000,000 in FY2022 funding for humanitarian demining operations in areas affected by the Nagorno-Karabakh conflict. Landmines and unexploded ordnance across the conflict-affected area continue to kill and maim civilians, block economic development, and impede the safe return of displaced families. Since the November 9, 2020 trilateral arrangement, more than 280 people have been killed or injured in landmine accidents in the region. The Department of State's FY2022 funding built on the \$500,000 announced in November 2021 and further strengthened the technical capacity of demining organizations to clear landmines and unexploded ordnance. This funding supported clearance operations and explosive ordnance disposal and strengthened humanitarian demining capacity in line with international standards.

Since FY1999, the United States has provided more than \$50.4 million to support clearance operations in the conflict-affected area, provided explosive ordnance risk education, assisted landmine survivors, and strengthened the capacity of demining organizations. These efforts played a critical role bolstering human security and enabling displaced communities to return to their homes in demined areas and rebuild their lives safely.

IN FY2022:

 **852,495 SQUARE METERS (210 ACRES) LAND CLEARED**

 **160 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**

 **1,100 EXPLOSIVE REMNANTS OF WAR DESTROYED**

 **778 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**

 **The HALO Trust, Mines Advisory Group**

OTHER U.S. SUPPORT

Armenia and Azerbaijan: With funding from USAID, the Leahy War Victims Fund supported the World Health Organization to integrate rehabilitation in existing healthcare systems as part of a multi-regional program.

With funding from the Department of Defense, the United States provided support for conventional weapons destruction in the following countries:

Azerbaijan: U.S. European Command completed a holistic requirements determination site survey of the Mine Action Agency of the Republic of Azerbaijan. During this visit U.S. European Command, along with subject matter experts from the Humanitarian Demining Research and Development Program, Humanitarian Demining Training Center, and U.S. Marine Corps Forces Europe researched requirements and capability gaps in technology, demining, explosive ordnance disposal, physical security and stockpile management, and emergency medical response in preparation for U.S. European Command to conduct planning and prepare to provide equipment and training support in all of these areas. Following this site survey, three additional projects were created including two train-the-trainer courses for physical security and stockpile management and explosive ordnance disposal Level 1-3. The third project will train and equip Azerbaijani demining personnel with Handheld Standoff Mine Detection System mine detection devices.

Cyprus: The U.S. European Command completed a holistic requirements determination site survey of the Cypriot National Guard. During

this visit U.S. European Command and subject matter experts from Humanitarian Demining Training Center and U.S. Marine Corps Forces Europe researched requirements and capability gaps in demining, explosive ordnance disposal, physical security and stockpile management, and emergency medical response in preparation for U.S. European Command to conduct planning and prepare to provide equipment and training support in all of these areas.

Estonia: U.S. European Command supported military diver and underwater explosive ordnance disposal training, as well as database training, equipment, and technical assistance.

Moldova: The U.S. Army Europe continued to renovate two ammunition storage facilities in Floresti and Cahul. The upgrades consist of security fencing, renovation of three explosive storehouses, ramp replacements, floor refurbishment, and depot emergency water supply. In addition, U.S. Army Europe provided Moldovan personnel with supplies, equipment, and on-the-job mentorship on how to safely transport, store, and inspect munitions. They also assisted Moldovan government personnel with updating their national regulations for international best practices in humanitarian mine action.

North Macedonia: The Vermont National Guard conducted train-the-trainer courses on International Mine Action Standards explosive ordnance disposal Level 1 Phase 1 and 2.

THE INTERAGENCY MANPADS TASK FORCE: Building Partnerships to Protect Global Aviation

Why DO MANPADS MATTER? Since 1970, terrorists and other non-state actors have struck dozens of civilian aircraft with man-portable air defense systems (MANPADS), often referred to as shoulder-fired missiles, killing over 1,000 civilians. MANPADS were first developed in the 1960s to help legitimate armed forces defend against air attacks. However, in the hands of terrorists, criminals, or other non-state actors, MANPADS pose a serious threat to civilian and military aircraft around the world. The effectiveness of MANPADS used by Ukrainian Armed Forces as they defend their country from Russia's unprovoked invasion demonstrates their continued lethality in combat and serves as a reminder of why preventing illicit diversion remains critical.

WHAT IS A MANPADS? A MANPADS is typically a shoulder-fired surface-to-air missile, consisting of a guided missile enclosed in a launch tube, a reusable trigger mechanism ("gripstock"), a single-use battery or battery-cooling unit, and a disposable tube that protects the missile. Most MANPADS are 1.4 to 1.6 meters (4.5 feet to 5.5 feet) long, about 72 millimeters (3 inches) in diameter, and weigh between 15 and 18 kilograms (33 to 39 pounds). They can travel at twice the speed of sound and hit aircraft flying as high as 20,000 feet out to a horizontal range of up to 5 kilometers (3.1 miles). A single individual or crew can carry and fire MANPADS. Their small size makes them easy to transport and conceal.

WHAT WE ARE DOING: The U.S. Department of State chairs the Interagency MANPADS Task Force (MTF), which counters illicit proliferation of MANPADS to protect civil and military aviation. The MTF was formed in 2006 by a White House directive to coordinate comprehensive efforts by government agencies, including the Departments of Defense, Transportation, Homeland Security, and the Intelligence Community to address risks posed by MANPADS in the United States and around the world.



An anti-tank guided missile is inspected ahead of destruction.
Image courtesy of the Department of State.

- **DESTROYING WEAPONS:** To prevent potential illicit proliferation of MANPADS, the MTF, in collaboration with the Department of State's Office of Weapons Removal and Abatement Program Management Division, provides conventional weapons destruction assistance to partner governments to destroy excess, unserviceable, or obsolete munitions including MANPADS and to better secure stockpiles retained by states for legitimate defense needs. Since 2006, the Office of Weapons Removal and Abatement's stockpile management and conventional weapons destruction programs have reduced over 43,000 at-risk MANPADS and anti-tank guided missiles (ATGM) worldwide and remain critical to preventing further illicit proliferation of these dangerous arms.
- **BUILDING PARTNERSHIPS:** The MTF continues to lead bilateral and multilateral coordination to build partners' understanding of the risks associated with MANPADS, encourage responsible sales and disrupt attempted black-market sales, and advocate for MANPADS stockpile reduction and improved physical security and stockpile management in Europe, Africa, and other regions. The 42 participating members of the Wassenaar Arrangement have agreed to export control measures to curb the illicit transfer of MANPADS. The MTF coordinates with international organizations to curb illicit transfers and strengthen compliance with international regimes on MANPADS and anti-tank guided missile proliferation. For example, the MTF is supporting the Organization of American States to strengthen the capacity of Organization of American States member states, particularly law enforcement and aviation security authorities, to identify, prevent and mitigate threats to civil aviation.
- **RESPONDING TO TODAY'S CRISES TO PROTECT GLOBAL AVIATION:** The MTF supports international efforts to respond to new threats as they arise. In response to Russia's further illegal invasion of Ukraine in early 2022, and under direction from the National Security Council, the MTF led U.S. government efforts to conceptualize, develop, and execute the U.S. Plan to Counter Diversion of Certain Advanced Conventional Weapons in Eastern Europe, which calls on the United States, Allies, and partners to help Ukraine and neighboring states bolster accountability of MANPADS stockpiles, strengthen border security, and build capacity to deter, detect, and interdict illicit trafficking.
- **BUILDING SUBJECT-MATTER EXPERTISE:** The MTF works across the U.S. Government and with allies and partners to build international capacity to counter illicit trafficking of MANPADS and anti-tank guided missiles. The MTF provides MANPADS and anti-tank guided missile recognition training as well as training and identification guides to border security, aviation security, and defense personnel fighting illicit weapons proliferation. Along with the focused recognition training, MTF offers Countering Aviation Security Ecosystem Threats (CASET) training, a broader course to help authorities counter a range of technology and weapons threats to civilian aviation infrastructure. In coordination with the MTF, the Transportation Security Administration conducts MANPADS Assist Visits and International MANPADS Outreach and Training Programs that help partner countries understand and mitigate risks from MANPADS and other aviation threats and vulnerabilities.



<https://www.state.gov/about-us-office-of-weapons-removal-and-abatement>

MIDDLE EAST AND NORTH AFRICA

IRAQ | JORDAN | LEBANON | LIBYA | MOROCCO | SYRIA
West Bank and Gaza Strip Areas | YEMEN

Since 1993, the United States has invested more than \$1 billion in conventional weapons destruction assistance in the Middle East and North Africa to enhance stability and improve human security. In Iraq, Lebanon, Libya, and Syria, Islamic State in Iraq and Syria (ISIS)-emplaced improvised explosive devices and landmines, as well as explosive remnants of war, threaten displaced families returning to their homes and impede stabilization efforts and local economic development. In Libya, illicit trafficking of small arms and light weapons fuels both domestic and regional violence, imperils U.S. national security, and continues to displace civilians. In Yemen, the ongoing conflict is producing significant quantities of explosive remnants of war, and the massive use of landmines and improvised explosive

devices continue to kill civilians and impede the safe delivery of urgent humanitarian assistance.

According to the 2022 *Landmine and Cluster Munition Monitor*, of the six countries worldwide with the highest number of civilian casualties from landmines and explosive remnants of war in 2021, three are in the Middle East—Iraq, Syria, and Yemen—due in large part to the ongoing conflicts in these countries. In Syria alone, 1,227 landmine casualties were reported in 2021.

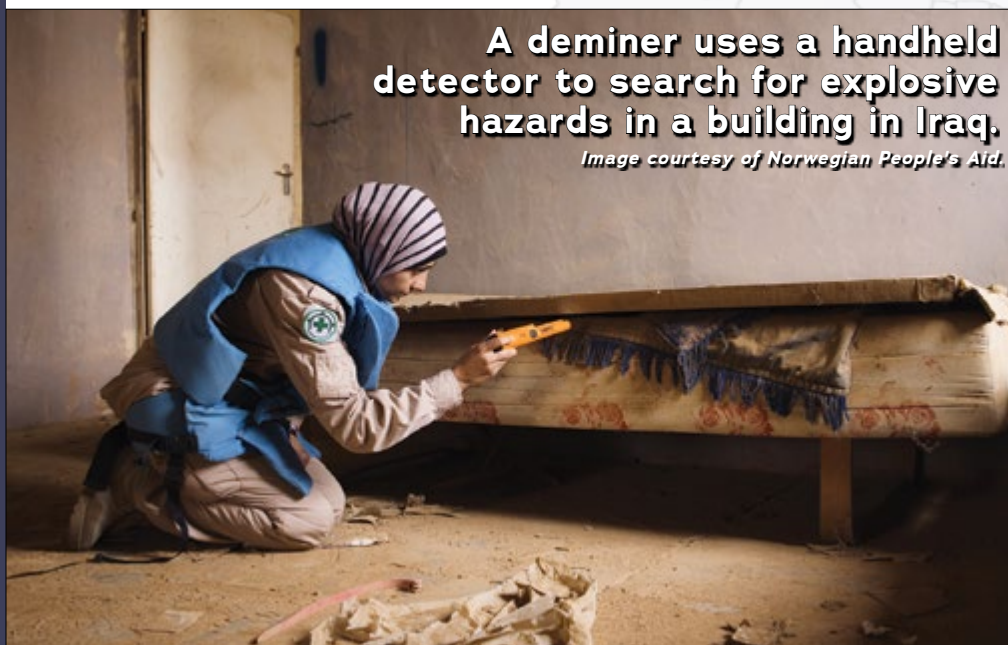
In the summer of 2022, farmers across areas of Iraq liberated from ISIS were able to safely harvest crops for the first time since ISIS was defeated. This was partly due to U.S. investments in survey, marking, and clearance operations that enabled the safe return of displaced families to their communities, the restoration of basic services, and

economic development. This farmland is critical for the economic recovery and food security of local communities. In 2022, intensive flooding in Yemen washed many landmines into roads and other civilian areas, causing numerous injuries and fatalities.

U.S. investment has also established professional national mine action centers and built strong and capable host country capacities. Explosive ordnance risk education reduced deaths and injuries, and survivor assistance projects provided rehabilitation and reintegration support. Together, these programs help lay the groundwork for stability and prosperity across the region.

A deminer uses a handheld detector to search for explosive hazards in a building in Iraq.

Image courtesy of Norwegian People's Aid.



39,811,885
SQ M LAND RETURNED
TO COMMUNITIES



7,677
LANDMINES
DESTROYED



27,865
EXPLOSIVE REMNANTS
OF WAR DESTROYED



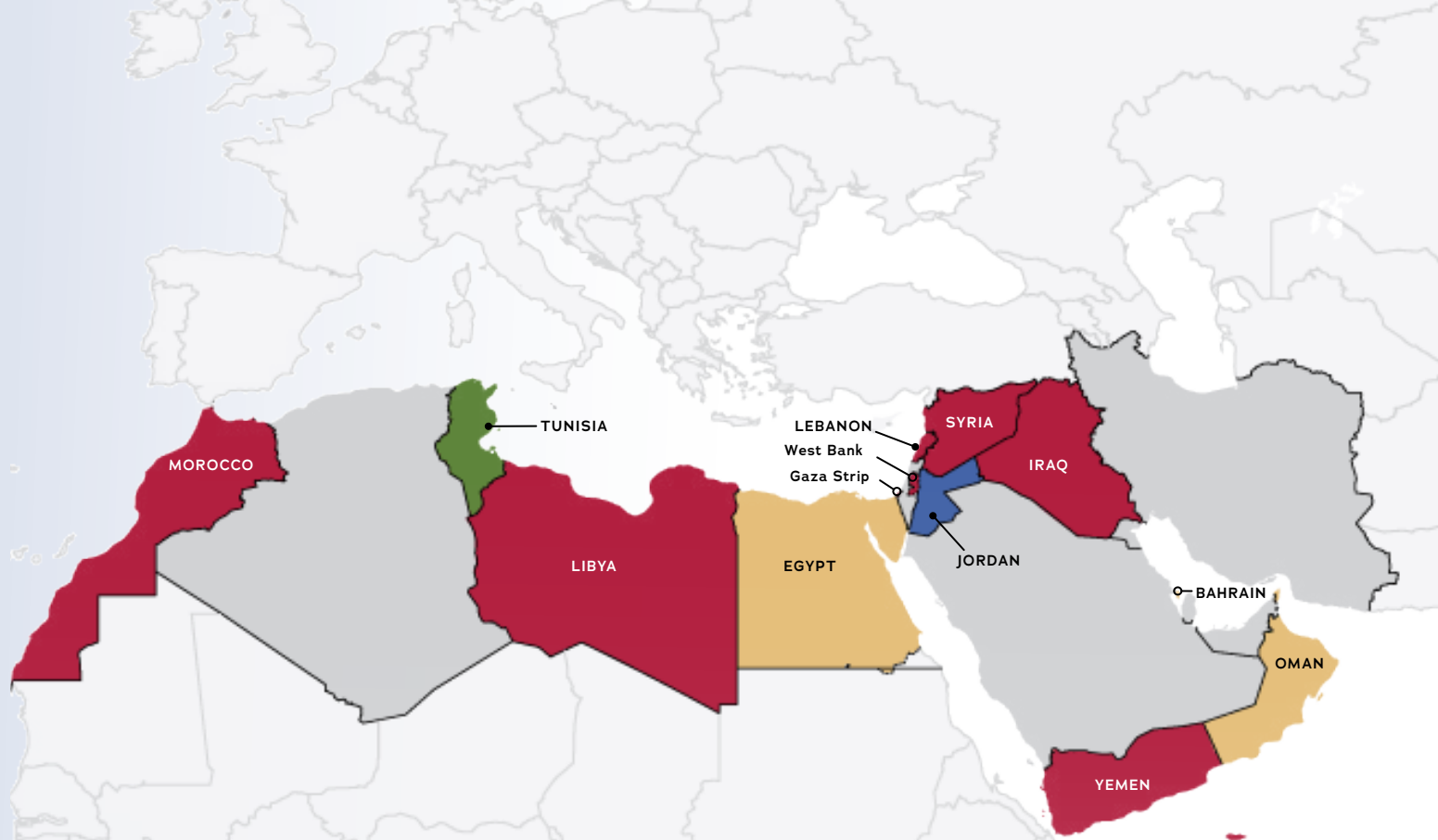
8,984
IED or COMPONENTS
DESTROYED



20
METRIC TONS OF
AMMUNITION DESTROYED



998,146
RISK EDUCATION
RECIPIENTS

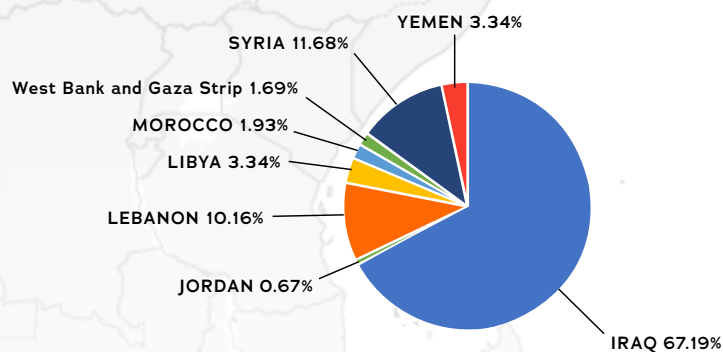


**\$59.9
MILLION**

**U.S. FUNDING
IN FY22**

**\$1.02
BILLION**

**U.S. FUNDING
FY1993-FY2022**



**PERCENTAGE OF THE \$59.9 MILLION
ALLOCATED TO THE MIDDLE EAST AND
NORTH AFRICA IN FY2022 BY COUNTRY**

MIDDLE EAST & NORTH AFRICA	FY93-19	FY20	FY21	FY22	TOTAL
REGIONAL	935	0	0	0	935
BAHRAIN	10	0	0	0	10
EGYPT	718	0	0	0	718
IRAQ	553,486	43,659	38,280	40,253	675,678
JORDAN	28,922	400	400	400	30,122
LEBANON	77,173	5,044	8,324	6,085	96,626
LIBYA	48,575	3,000	2,000	2,000	55,575
MOROCCO	531	147	164	1,154	1,996
OMAN	4,338	0	0	0	4,338
SYRIA	86,065	5	0	7,000	93,070
TUNISIA	1,383	0	0	0	1,383
West Bank and Gaza Strip Areas	6,313	55	1,013	1,014	8,395
YEMEN	40,401	4,800	4,000	2,000	55,201
TOTAL	852,850	57,110	54,181	59,906	1,024,047

MAP LEGEND

- U.S. supported activity in FY22
- Received U.S. support in the past
- Mine-impact free & U.S. supported activity in FY22
- Mine-impact free with past U.S. support

**TOTAL U.S. CONVENTIONAL WEAPONS
DESTRUCTION FUNDING IN THE MIDDLE EAST
AND NORTH AFRICA FY1993-FY2022**



A birds eye view of Anah Oasis.

WESTERN IRAQ

Combating Desertification Through Demining

Images and article courtesy of Tetra Tech.

The long shadow of war against the Islamic State of Iraq and Syria (ISIS) lies heavily upon western Anbar Governorate, Iraq. Wide areas of land are littered with improvised explosive devices (IEDs), unexploded ordnance (UXO), and other explosive remnants of war, disrupting the lives of Iraqis in myriad ways. Contamination from explosive hazards delays redevelopment of vital infrastructure and prevents farmers from working their fields and shepherds from tending their flocks. Now old battle lines are intersecting with the threat of desertification.

According to the United Nations and the World Bank, Iraq is one of the world's top five countries most affected by climate change. Record low rainfall, heat waves, decreasing vegetative cover, soil erosion, and salinization threaten its food security. The Iraqi Ministry of Agriculture reports 55% of the country's landmass is under threat of desertification.

In arid areas with recent conflicts, such as western Anbar Governorate, demining can be the first step in combating desertification. With United States funding, Tetra Tech clears explosive hazards from critical water and sanitation systems across Iraq, including the Anah Oasis.

Engineer Omar Al-Ani has worked at Anah Oasis, an important agricultural nursery and orchard in Anbar Governorate for 15 years. Before the war with ISIS, Omar helped manage the thriving oasis, including farming olives, pistachios, lemons, almonds, and date palms that are regionally and economically important as valuable food crops adapted to grow in saline soils, and which act as vegetative cover to combat erosion.

In 2014, ISIS seized control of Anah Oasis and used it as a site for manufacturing and storing massive quantities of improvised explosive devices. During the occupation, no crops were grown, greenhouses were destroyed, and irrigation systems fell into disrepair. Between the improvised explosive devices and unexploded ordnance left from the 2017 operations to liberate the area from ISIS, the once-fertile landscape and broken water delivery systems were littered with explosive hazards.


In 2019, the Iraqi Minister of the Desertification Directorate declared Anah Oasis as a priority revegetation area. In support of these efforts, U.S. company Tetra Tech, under a State Department contract, cleared the area of improvised explosive devices, rockets, and ten vehicle-borne improvised explosive devices (car bombs). As soon as clearance was completed, Omar eagerly returned to his beloved oasis to assess the damage and began the slow and laborious process of removing rubble, rebuilding water delivery systems, and replanting crops. Three years later, Anah Oasis employs 60 full-time staff and 150 seasonal workers who tend to a wide variety of plants and trees. Omar has added ornamental wind-break plants to help combat soil erosion and pasture plants whose seeds spread rapidly in the desert to develop vegetative cover.

Thanks to the efforts of the United States, other international donors, and people like Omar Al-Ani, Anah Oasis is combating desertification and providing food security to the people of Anbar and beyond.



My ambition is to reduce desertification by intensifying the diversity of trees at our oasis amid the desert, and that was my first motivation.

~ Engineer Omar Al-Ani



Plants are carefully tended at the oasis.



Mechanical and manual landmine clearance work is conducted side-by-side in Iraq.

Image courtesy of Mines Advisory Group.

IRAQ



During the Islamic State of Iraq and Syria's (ISIS) brutal control of large swaths of northern and western Iraq, the group planted an unprecedented level of mass-produced, technologically sophisticated improvised explosive devices and other explosive hazards to kill civilians, discourage the return of displaced communities, block economic development, and hinder stabilization. Since 2015, the United States and other international donors have made significant progress in clearing improvised explosive devices emplaced by ISIS, but much work remains. The United States remains dedicated to the survey and clearance of these explosive hazards and delivering explosive ordnance risk education to help prevent injuries. The clearance of areas liberated from ISIS remains a priority for the United States, including the ancestral homelands of Iraq's ethnic and religious minority communities in Ninewa Governorate, even as we continue long-standing support for the survey and clearance of legacy hazards in northern and southern Iraq and capacity building assistance to Iraq's Directorate of Mine Action and the Iraqi Kurdistan Mine Action Authority.

The United States remains the largest international supporter of humanitarian mine action in Iraq investing more than \$675 million from FY2003 to FY2022 to support survey and clearance as well as explosive ordnance risk education.

In FY2022, the Department of State supported:

- Survey and clearance in areas liberated from ISIS in Anbar, Kirkuk, Ninewa, and Salah Al-Din Governorates. This work helped displaced Iraqis, including members of Christian, Yazidi, Shabak, Kaka'i, and Turkmen minority communities, safely return home and begin rebuilding their lives and local economies.
- Clearance of legacy explosive hazards in Kurdistan and U.S.-origin unexploded ordnance in southern Iraq.
- Strengthening of the Iraqi Directorate of Mine Action's capacity to conduct strategic planning and operational coordination as well as manage information associated with demining operations across Iraq.

- Investment in virtual and in-person explosive ordnance risk education for at-risk communities across Iraq to help them teach children and adults about the dangers of explosive hazards.

The Department of Defense Humanitarian Demining Research and Development Program continued to deploy the Wirehound handheld detector, a stand-alone orbital sifter, and the Rebel Crusher sifter/rock crushing plant with, multiple commercial front-loader attachments. The program also deployed a Rotastar wet soil screener and a Rambo demining support vehicle.

IRAQ	FY20	FY21	FY22	FY03–22 TOTAL
DOS NADR - CWD	43,500	38,150	40,000	568,301
DOS OTHER	0	0	0	992
CDC	0	0	0	450
DOD	159	130	253	105,935
COUNTRY TOTAL	43,659	38,280	40,253	675,678

Dollars in thousands

IN FY2022:

- **21,420,546 SQUARE METERS (5,293 ACRES) LAND CLEARED**
- **11,694,126 SQUARE METERS (2,890 ACRES) LAND RELEASED**
- **920,000 SQUARE METERS (227 ACRES) CLUSTER MUNITIONS REMNANT SURVEY**
- **712 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- **1,387 LANDMINES DESTROYED**
- **13,672 EXPLOSIVE REMNANTS OF WAR DESTROYED**
- **7,649 IED OR COMPONENTS CLEARED OR DESTROYED**
- **239,748 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**

IP Danish Refugee Council, The HALO Trust, iMMAP, Mines Advisory Group, Norwegian People's Aid, Spirit of Soccer, Swiss Foundation for Demining, Tetra Tech



LEBANON



Lebanon has significant landmine and explosive remnants of war contamination from its 1975–1990 civil war, the laying of minefields along the Blue Line between 1984–2000, and the Israel-Hizballah conflict of 2006. Additionally, the Islamic State of Iraq and Syria (ISIS) and other terrorist and violent extremist groups seeded fertile land along Lebanon's northeast border with Syria with landmines and improvised explosive devices in 2017 before the Lebanon Armed Forces dislodged them. Over 31.6 million square meters (7,809 acres) of land has suspected or confirmed explosive hazard contamination according to the Lebanon Mine Action Center's 2021 annual report. U.S. assistance cleared the last landmines in and around Lebanon's famed cedar forests, which enabled the Lebanon Mine Action Center to declare Lebanon's Northern Governorate mine free in December 2021. The United States continues to support the Lebanon Armed Forces' capacity to store and manage ammunition, with physical upgrades to its facilities and store-keeper training.

From FY1998 to FY2022, the United States invested more than \$96.6 million in Lebanon to survey and clear landmines and explosive remnants of war, procure and train mine detection dogs, provide explosive ordnance risk education, build the capacity of the Lebanon Mine Action Center, and provide medical assistance and vocational training for landmine survivors. Our work makes the United States the largest international provider of demining assistance in Lebanon. U.S. assistance has also significantly strengthened the Lebanese Armed Forces' capacity to manage its arms and ammunition stockpiles.

In FY2022, the Department of State supported:

- Survey and clearance of explosive hazards in South and Nabatieh Governorates, and in northeast Lebanon, to provide access for livestock and agricultural development.
- Clearance of explosive hazards from the 2006 Israel-Hezbollah conflict and the 1975–1990 civil war in Mount Lebanon Governorate to facilitate the return of displaced residents and boost economic development for communities in the Aley and Baabda Districts.

The Department of Defense Humanitarian Demining Research and Development Program continued to evaluate soil excavation, sifting, and grinding attachments for its armored excavators as well as the Terrapin small remote excavator. Additionally, a Rebel Crusher sifter/rock crushing plant previously used in Iraq was relocated to Lebanon.

LEBANON	FY20	FY21	FY22	*FY98–22 TOTAL
DOS NADR - CWD	5,000	8,000	6,000	74,999
DOS OTHER	0	0	0	2,000
DOD	44	324	85	9,777
USAID	0	0	0	9,850
COUNTRY TOTAL	5,044	8,324	6,085	96,626

Dollars in thousands

IN FY2022:

672,026 SQUARE METERS (166 ACRES) LAND CLEARED

588,984 SQUARE METERS (145 ACRES) LAND RELEASED

12 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS

3,471 LANDMINES DESTROYED

597 EXPLOSIVE REMNANTS OF WAR DESTROYED

1,091 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS

DanChurchAid, ITF Enhancing Human Security, Mines Advisory Group

Explosive ordnance risk education is taught in Lebanon.

Image courtesy of Mines Advisory Group.

JORDAN



Jordan declared itself mine-free in 2012 and has made significant progress to reduce the threat of landmines and explosive remnants of war from the 1948 conflict following the partition of Palestine, the 1967 Arab-Israeli conflict, and the 1970 civil war. However, residual contamination remains along its northern border and in the Jordan River Valley.

From FY1996 to FY2022, the United States invested more than \$30.1 million in Jordan to clear mines and explosive remnants of war, destroy old and obsolete ammunition, deliver explosive ordnance risk education, and provide rehabilitation and reintegration support to survivors of landmine and unexploded ordnance accidents.

In FY2022, the Department of State supported:

- Rehabilitative care, vocational training, and prosthetics to Jordanians and Syrian refugees who are survivors of landmine and unexploded ordnance accidents.

JORDAN	FY20	FY21	FY22	*FY96–22 TOTAL
DOS NADR - CWD	400	400	400	24,436
DOS OTHER	0	0	0	300
CDC	0	0	0	2,968
DOD	0	0	0	2,418
COUNTRY TOTAL	400	400	400	30,122

Dollars in thousands

IN FY2022:

1,170 SURVIVOR ASSISTANCE RECIPIENTS

POLUS Center for Social and Economic Development



Explosive hazards are collected for removal in Libya (see below).

Photo courtesy of ITF Enhancing Human Security.

LIBYA



The full extent of landmine contamination, improvised explosive devices, and explosive remnants of war in Libya remains unknown due to continuing insecurity in the wake of the 2011 revolution, ISIS control of the area around Sirte in 2015, and renewed fighting around Tripoli in 2019-2020. Illicit small arms proliferation also fuels conflict within Libya, in neighboring states, and across the Sahara. The United States works with allies, international organizations, and implementing partners to mitigate these threats, which hinder development, limit the reach of humanitarian assistance, and threaten the security of displaced Libyans who are seeking to return to their homes and communities.

From FY2011 to FY2022, the United States invested more than \$55.5 million to help partners and allies clear explosive remnants of war, respond to emergency callouts, and provide explosive ordnance education.

In FY2022, Department of State supported:

- The survey and clearance of battlefields around Tripoli, Sirte, Benghazi, and Misrata, and responded to emergency callouts.
- Immediate response to callouts to destroy explosive hazards left behind by the fighting following the worst violence in years in Tripoli in August 2022.
- Explosive ordnance risk education in Sirte and Benghazi to help prevent injuries from unexploded ordnance.
- The Libya Mine Action Center's development of standard operating procedures, national standards, and increased capacity.

LIBYA	FY20	FY21	FY22	*FY11-22 TOTAL
DOS NADR - CWD	3,000	2,000	2,000	36,000
DOS OTHER	0	0	0	19,575
COUNTRY TOTAL	3,000	2,000	2,000	55,575

Dollars in thousands

IN FY2022:

18,060 SQUARE METERS (4.5 ACRES) LAND CLEARED

464 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS

1,086 EXPLOSIVE REMNANTS OF WAR DESTROYED

DanChurchAid, Free Fields Foundation, The HALO Trust, ITF Enhancing Human Security

West Bank and Gaza Strip Areas

The West Bank and Gaza Strip have landmines and unexploded ordnance from the decades of conflict beginning in 1948. Jordan laid 13 minefields from 1948 to 1967, and Israel laid 77 more after the 1967 war. Israel Defense Force training exercises in parts of the West Bank have produced additional unexploded ordnance, which is often discovered by local herders and farmers.

From FY2011 to FY2022, the United States invested more than \$8.3 million to survey and clear landmines and unexploded ordnance from privately-owned land that is not subject to disputes between Palestinians and Israelis. This decade-long effort is the only one of its kind in the West Bank. In the Gaza Strip we also provided emergency callouts to enable the delivery of humanitarian assistance efforts and for civilians displaced during the 2021 conflict to return to their homes.

In FY2022, Department of State supported:

- Clearance of minefields and quality control and quality assurance activities in the West Bank.

The Department of Defense Humanitarian Demining Research and Development Program evaluated two soil-sifting excavator attachments, a large mine-sifting screener, Ferex 4.034 and Magnex magnetometer systems, and a Target Reacquisition and Positioning System (a low-cost differential global positioning system) that can map humanitarian demining tasks in the West Bank.

West Bank and Gaza Strip Areas	FY20	FY21	FY22	*FY11-22 TOTAL
DOS NADR - CWD	0	1,000	1,000	8,088
DOD	55	13	14	307
COUNTRY TOTAL	55	1,013	1,014	8,395

Dollars in thousands

IN FY2022:

4,600 SQUARE METERS (1.1 ACRES) LAND CLEARED

8 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS

14 LANDMINES DESTROYED

23,811 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS

The HALO Trust, ITF Enhancing Human Security, United Nations Mine Action Service





Children in Yemen after an explosive ordnance risk education session.

Image courtesy of The HALO Trust.

YEMEN



Landmines, unexploded ordnance, and improvised explosive devices from the ongoing conflict continue to kill Yemeni civilians across the country, block access to critical infrastructure for basic services, and obstruct desperately needed humanitarian assistance. Republic of Yemen Government officials estimate that in recent years, Iran-backed Houthi forces have laid over one million landmines, making Yemen one of the most heavily mined countries in the world.

The United States is the largest contributor to the United Nations Development Programme's engagement with the Yemen Executive Mine Action Center, having invested more than \$55.2 million from FY1997 to FY2022. Our support provides survey and clearance, explosive ordnance risk education, survivors' assistance, and capacity building for the Yemen Executive Mine Action Center.

In FY2022, the Department of State supported:

- Survey and clearance to help families safely return home and begin rebuilding their lives and local economies.
- Explosive ordnance risk education and survivors' assistance for medical care, rehabilitative care, vocational training, and micro-grants to landmine survivors.
- Additional training and capacity building for the Aden-based Yemen Executive Mine Action Center. The Center continued to integrate an information management system, trained its staff on informa-

tion management practices and procedures, helped develop national standards for non-technical surveys, and provided virtual training on how to conduct them.

YEMEN	FY20	FY21	FY22	*FY97-22 TOTAL
DOS NADR - CWD	4,800	4,000	2,000	50,355
DOD	0	0	0	4,846
COUNTRY TOTAL	4,800	4,000	2,000	55,201

Dollars in thousands

IN FY2022:

- 5,413,543 SQUARE METERS (1,337 ACRES) LAND CLEARED**
- 67 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- 2,803 LANDMINES DESTROYED**
- 12,510 EXPLOSIVE REMNANTS OF WAR DESTROYED**
- 1,332 IED OR COMPONENTS CLEARED OR DESTROYED**
- 729,133 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
- 183 SURVIVOR ASSISTANCE RECIPIENTS**
- 19.8 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**

Danish Refugee Council, Geneva International Centre for Humanitarian Demining, The HALO Trust, Marshall Legacy Institute
United Nations Development Programme

OTHER U.S. SUPPORT

With funding from the Department of Defense:

Morocco: U.S. Africa Command and Morocco graduated 19 instructors for EOD Level 3. Projects completed in FY2022 included explosive ordnance disposal Level 3 Phase 2 and 3 training, and the procurement of equipment for instructors and students of explosive ordnance disposal Level 3+ training.

Syria: The Humanitarian Demining Research and Development Program continued supporting the evaluation of internet protocol camera systems on robotic armored demining platforms that allow remote access to structures to search for explosive hazards.

EXPLOSIVE ORDNANCE DISPOSAL

Qualifications and Expertise

The United States is committed to assisting countries around the world that are contaminated with landmines and explosive remnants of war to make their land safe and productive again. This requires painstaking clearance work to detect, identify, render safe, and/or destroy explosive hazards, often in very austere environments. The people who do this lifesaving work are called explosive ordnance disposal operators / technicians, or humanitarian deminers. They come from countries worldwide, and some receive their training during military service, while others are trained by nongovernmental organizations and commercial companies.

The International Mine Action Standards provide specifications and guidance for the conduct of explosive ordnance disposal operations. These standards are a United Nations endorsed set of best practices for humanitarian mine action activities that are updated regularly based on lessons learned, and technological and procedural advancements. While the standards do not provide specific technical guidance for the disposal of particular types of explosive ordnance, they categorize training levels for operators into four distinct level—Levels 1, 2, 3 and 3+, with 3+ as the highest level of training.

Explosive ordnance disposal Level 1 is the basic level of explosive ordnance disposal training, which teaches the operator to locate, expose, and destroy in place the specific individual munitions upon which they have been trained. Individuals with Level 1 qualification may only perform this work under carefully controlled and supervised circumstances. The explosive ordnance disposal Level 1 operator can also function as a team member, assisting Level 2 and 3 operators on tasks requiring additional support.

Level 2 is the intermediate level of explosive ordnance disposal training. An explosive ordnance disposal operator with Level 2 qualification may perform all Level 1 tasks, as well as determine when it is safe to move and transport munitions. They can also conduct simultaneous disposal of multiple munitions but are still limited to those specific munitions upon which they have been trained. A Level 2 operator is qualified to conduct tasks in all environments with the written approval of an explosive ordnance disposal operator with Level 3 or above qualification.

Subsurface clearance in Herat, Afghanistan.



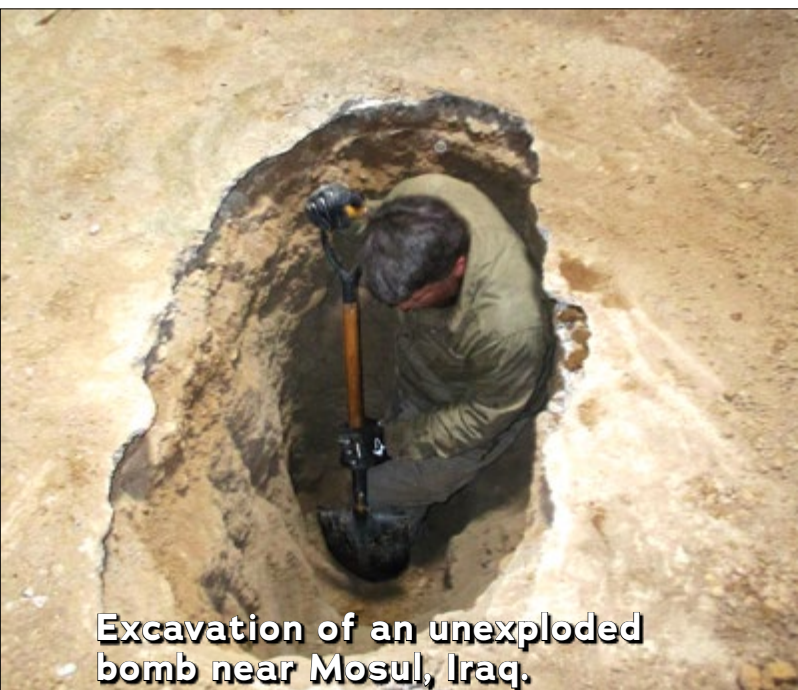
The explosive ordnance disposal Level 3 qualification allows the operator to perform all Level 1 and 2 tasks, conduct procedures to render explosive hazards safe from unintended detonation, and control the final disposal of a wide range of specific types of explosive ordnance on which the individual has been trained. Level 3 operators can also authorize an explosive ordnance disposal Level 2 operator to perform tasks in various environments. As with Level 1 and Level 2 qualification, operators may only work with specific types of munitions on which they have been trained.

Explosive ordnance disposal Level 3+ is the most advanced explosive ordnance disposal qualification, with the operator achieving competency in one or more of the following subjects: 1) advanced explosive theory; 2) bombs; 3) clearance of damaged tanks and other armored fighting vehicles; 4) basic chemical munitions and procedures; and 5) bulk demolitions and guided weapons. These competencies may be taught individually, meaning an explosive ordnance disposal Level 3+ operator qualification does not necessarily mean that training in all five skill sets has been received.

The U.S. Department of State requires that all operators engaged in humanitarian demining and battle area clearance funded by the U.S. Government be qualified according to International Mine Action Standards. By adhering to the International Mine Action Standards, nongovernmental organizations and companies funded by U.S. taxpayers can build competent teams to achieve the common goal of making land that was once contaminated with explosive hazards safe and productive again.

Article and images contributed by Drew Prater, Master EOD Technician. Edited by The Center for International Stabilization and Recovery, and the Department of State.

Excavation of an unexploded bomb near Mosul, Iraq.



SOUTH AND CENTRAL ASIA

AFGHANISTAN | KAZAKHSTAN | KYRGYZ REPUBLIC | NEPAL | PAKISTAN
SRI LANKA | TAJIKISTAN

With support from the United States, South and Central Asian countries are securing weapons and ammunition stockpiles, clearing landmines and unexploded ordnance that threaten civilians, promoting peace and security, and strengthening economic ties in the region, all of which advances U.S. regional and global security priorities. It is critical that all sides continue to broaden and deepen this partnership to secure arms and ammunition that might otherwise fall into the wrong hands, promote peace and stability through demining, and expand mutual ties. Assistance provided by the United States pursues two tracks simultaneously. It addresses the most dangerous explosive hazards through immediate action while building partner nation capacity to manage future hazards over the long term, independent of U.S. assistance. This approach is essential to enhancing regional stability and fostering economic development.

Humanitarian mine action programs in Afghanistan continue despite the August 2021 takeover by the Taliban. Delivered through nongovernmental organizations, United States assistance is designed to directly benefit Afghan civilians who face the dangers of landmines and explosive remnants of war on a daily basis without aiding the Taliban. International and national nongovernmental organizations with decades of experience clearing explosives provide Afghans with one of the most capable mine action programs in the world. U.S. assistance not only removes landmines, improvised explosive devices, and unexploded and abandoned ordnance, it improves the lives and well-being of Afghans. Demining organizations provide employment and make land safe for farming, which provides a measure of economic and food security. The Kyrgyz Republic and

**In Afghanistan,
defuzed improvised
explosive devices
are collected.**

*Image courtesy of
The HALO Trust.*



Kazakhstan are addressing the substantial risk from unsecured and deteriorating weapons and ammunition through stockpile reduction and disposal. Tajikistan is a regional leader in landmine clearance and explosive hazard remediation and is successfully managing its aging munitions stockpiles while clearing explosive hazards along its borders and within the central Rasht Valley region. Sri Lanka is dealing with extensive landmines, improvised explosive devices, and unexploded ordnance hazards that endanger civilian security, inhibit livelihoods, and impede the resettlement of communities. The latter two countries have made significant progress in returning land and infrastructure to safe use and are nearing a future in which their people can thrive free from the threat of explosive hazards.



15,967,148
SQ M LAND RETURNED
TO COMMUNITIES



11,687
LANDMINES
DESTROYED



62,057
EXPLOSIVE REMNANTS
OF WAR DESTROYED



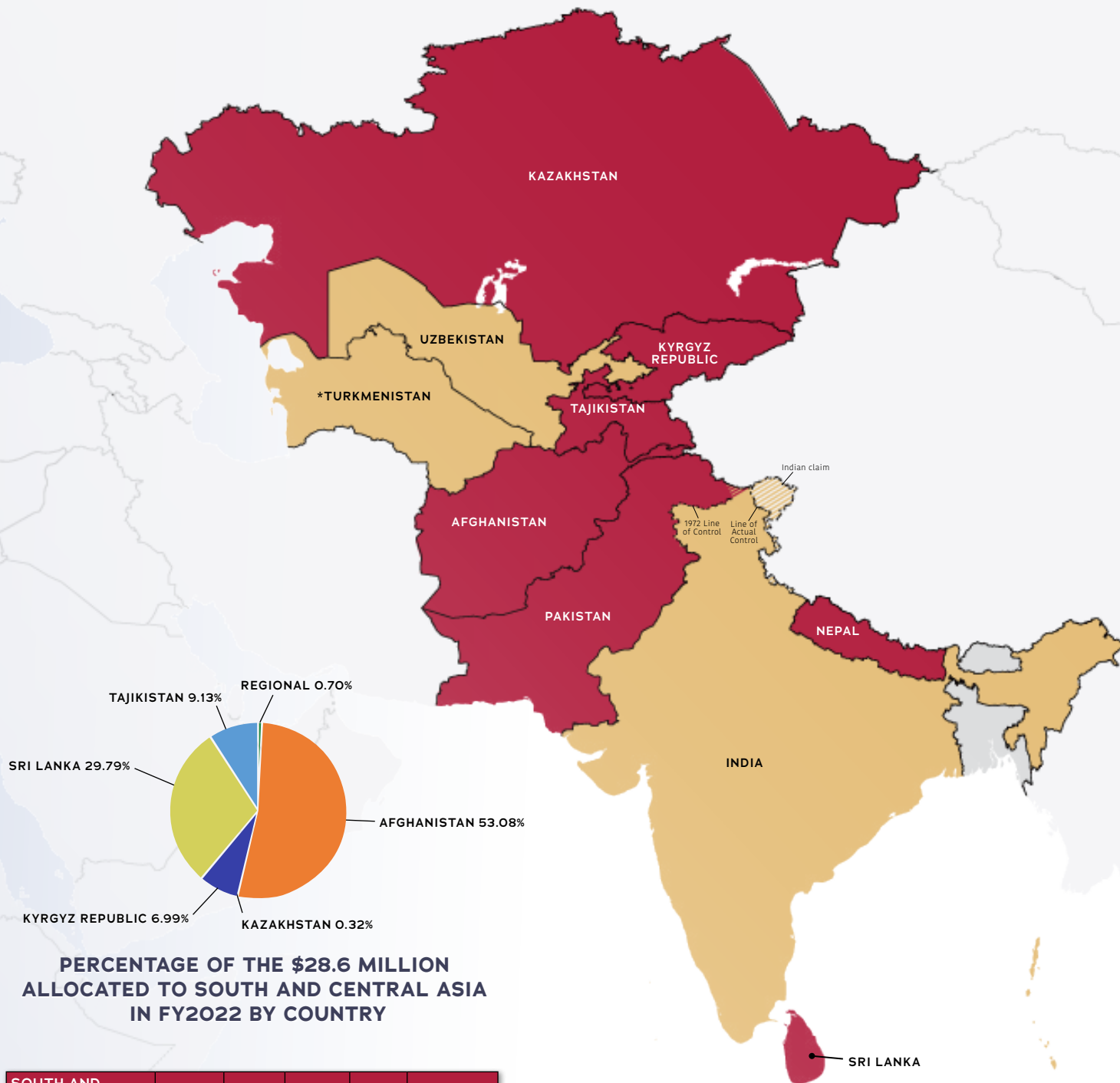
1,150
METRIC TONS OF
AMMUNITION DESTROYED



51,207
SURVIVOR ASSISTANCE
RECIPIENTS



67,059
RISK EDUCATION
RECIPIENTS



SOUTH AND CENTRAL ASIA	FY93-19	FY20	FY21	FY22	TOTAL
REGIONAL	2,060	0	0	200	2,260
AFGHANISTAN	517,112	21,162	20,330	15,193	573,797
INDIA	300	0	0	0	300
KAZAKHSTAN	295	3,088	0	91	3,474
KYRGYZ REPUBLIC	3,292	500	2,000	2,000	7,792
NEPAL ¹	6,936	0	1,587	0	8,523
PAKISTAN	832	0	0	0	832
SRI LANKA	72,361	5,679	8,308	8,525	94,873
TAJIKISTAN	27,233	1,939	4,162	2,612	35,946
UZBEKISTAN	99	0	0	0	99
TOTAL	630,520	32,368	36,387	28,621	727,896

TOTAL CONVENTIONAL WEAPONS DESTRUCTION FUNDING IN SOUTH AND CENTRAL ASIA FY1993-FY2022

1. Countries with activities in FY22 that were solely funded through Global/Multi-Country funding, but received direct funding in the past.

*Countries that received current or past support solely through Global/Multi-country funding.

**\$28.6
MILLION**

**U.S. FUNDING
IN FY2022**

**\$728
MILLION**


**U.S. FUNDING
FY1993-FY2022**

MAP LEGEND

- U.S. supported activity in FY22
- Received U.S. support in the past
- Mine-impact free & U.S. supported activity in FY22
- Mine-impact free with past U.S. support

AFGHANISTAN and TAJIKISTAN: Adapting Community Liaison Techniques in Mine Action for Climate Resilience

Article and images courtesy of the Swiss Foundation for Demining.



A socio-economic impact assessment team walks with local residents discussing post clearance land use in Afghanistan.

Though it began by providing purely technical solutions, the humanitarian mine action sector has recently taken on an increased role in pre- and post-clearance development activities. This is partly due to a growing global awareness of the impact of climate change and its effects on vulnerable populations. To respond to this challenge, the Swiss Foundation for Demining expanded the role of its mine action community liaisons to increase sustainable climate resilience.

In traditional humanitarian mine action, the community liaison approach places the needs and priorities of mine affected communities at the center of the planning, implementation and monitoring of mine action and other sectors. Community liaisons directly engage with local residents, who share experiences, express priorities, and assist in identifying solutions to problems within their communities.

In Afghanistan, the Swiss Foundation for Demining expanded its mine action community liaison work by adding a socioeconomic impact assessment to quantitatively measure the benefits of land release for the local community. The assessment was a simple questionnaire, which identified key economic indicators such as the price of cattle, land values, agriculture, water resources, etc. Thanks to the inclusive nature of the survey the members of the community participated actively before, during, and after clearance. Importantly, much of the process was led by locals who expressed their own needs and hopes for positive post clearance environmental outcomes despite the region's history of conflict, and its rough terrain, and harsh climate.

Swiss Foundation for Demining teams in Tajikistan took note of the Afghanistan assessment's findings and adapted their community liaison concept to specifically address environmental issues caused by pesticide pollution in the Khatlon region. They employed a similar survey methodology with significant local engagement, but qualitatively measured not only social but also climate resilience needs to develop a more accurate picture of local environmental priorities within the Vakhsh district. As a result of this local feedback, they prioritized the refurbishment of irrigation infrastructure to increase food security in one of the most vulnerable countries to climate change in the region.

Though the projects in Afghanistan and Tajikistan were different, they used standard techniques that are common to all mine action organizations. Demining organizations routinely engage with village level leaders and local governments as part of their community liaison activities before they begin clearance operations. With some refinement, these ex-

isting interactions, and the relationships they foster, can help demining organizations build the capacity of local people for climate resilience.

Ultimately the success of any mine action project relies heavily on suitable resources—accounting and finance systems, personnel, working procedures, insurance, vehicles, equipment, networks into local government, consumables etc. Understanding local environmental challenges and helping local communities to build resilience against climate change needs similar resources modified slightly with the appropriate skills and experience of staff. Land release and land use post-clearance have many synergies with the activities needed to build climate change resilience within communities. So it is a natural progression for mine action organizations to integrate and work in parallel with the environmental sector to achieve more efficient gains and to protect vulnerable communities from the triple planetary crisis of climate change, pollution, and biodiversity loss. These initial efforts in South Central Asia to integrate humanitarian mine action with measures to increase local populations' resilience to climate change hold promise for application to other humanitarian demining and battle area clearance projects worldwide.



An explosive ordnance risk education session is held in a village in Afghanistan.

Image courtesy of the Swiss Foundation for Demining.



AFGHANISTAN



To improve the lives of the Afghan people, the United States provides conventional weapons destruction funding and support to help clear landmines, including abandoned improvised mines and unexploded ordnance left behind by the 1979 Soviet invasion and over 40 years of subsequent conflicts. According to the Mine Action Program of Afghanistan, more than 1,200 civilian casualties were caused by landmines, improvised mines, and other explosive hazards in 2021. Children comprised 45 percent of those casualties. Unexploded ordnance and improvised explosive devices caused nearly 98 percent of these incidents. About two percent of civilian casualties are attributed to Soviet-era landmine contamination.

From FY1993 to FY2022, the United States invested more than \$573 million for conventional weapons destruction programs in Afghanistan. This assistance continues to be delivered through nongovernmental organizations to directly benefit the Afghan people without assisting the Taliban.

In FY2022, the Department of State supported:

- Clearing high-risk hazards such as minefields and unexploded ordnance, and abandoned improvised mines in Baghlan, Helmand, Kabul, Kandahar, Maidan Wardak, Nimroz, Nuristan, Paktika, and Panjsher Provinces.
- Cross-border clearance of high-risk hazards in northern Badakhshan Province, and the conclusion of clearance operations of NATO-origin cluster munitions in Paktya, Faryab, and Nangarhar Provinces.
- Surface and subsurface battle area clearance in central, western, and northern Afghanistan.
- Emergency callout response teams to identify, secure, and destroy cached munitions in central and eastern Afghanistan.
- The United Nations Mine Action Service to enhance oversight of information management and mine action programs.
- Explosive ordnance risk education for individuals in high-risk areas.
- Rehabilitation centers in Kabul, Farah, Paktya, and Paktika Provinces to provide physiotherapy, orthotics, and prosthetics services; and supported vocational rehabilitation and development training

for landmine survivors and their immediate family members living with disabilities.

- Upgrades and renovations to enable persons with disabilities to access those facilities.

The Department of Defense Humanitarian Demining Research and Development Program partners continued to evaluate technologies including the Minehound and Minehound Lite mine detector; the Scorpion unexploded ordnance detection system; the Storm Steep Slope Excavator; the Orbit Screener, which sifts mine-contaminated soil; and a suite of mine action attachments for excavators and loaders. Additionally, they continued to evaluate three Raptor armored tractors with two attachments: the Rotary Mine Comb anti-tank mine clearance system and a powered harrow with clutter collection magnet.

AFGHANISTAN	FY20	FY21	FY22	*FY93-22 TOTAL
DOS NADR - CWD	20,785	20,000	15,000	490,391
DOS OTHER	0	0	0	20,000
CDC	0	0	0	1,800
DOD	377	330	193	10,159
USAID	0	0	0	51,447
COUNTRY TOTAL	21,162	20,330	15,193	573,797

Dollars in thousands

IN FY2022:

- **13,195,103 SQUARE METERS (3,260 ACRES) LAND CLEARED**
- **223,207 SQUARE METERS (55 ACRES) LAND RELEASED**
- ⬛ **3,836 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- ⚡ **61,297 EXPLOSIVE HAZARDS CLEARED OR DESTROYED**
- 🚶 **62,480 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
- 🚶 **51,172 SURVIVOR ASSISTANCE RECIPIENTS**
- 💣 **382.5 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**

Accessibility Organization for Afghan Disabled, Afghan Technical Consultants, Demining Agency for Afghanistan, Agency for Rehabilitation and Energy Conservation in Afghanistan, The HALO Trust, ITF Enhancing Human Security, Mine Clearance Planning Agency, Mine Detection Center, Norwegian People's Aid, Organization for Mine Clearance and Afghanistan Rehabilitation, United Nations Mine Action Service



A military ammunition warehouse in Kyrgyzstan at different stages of construction.

Image courtesy of ITF Enhancing Human Security.

KAZAKHSTAN



Kazakhstan faces substantial risk from poorly secured, aging, and deteriorating ammunition stockpiles that threaten civilian safety due to their proximity to populated areas. Kazakhstan suffered major explosions at munitions storage facilities in 2019 and again in 2022. From FY2019 to FY2021, the United States invested more than \$3.4 million to help Kazakhstan segregate, secure, and destroy excess and unserviceable ammunition and landmines. This improved host-nation capacity to avert unplanned explosions at ammunition depots and prevent the illicit proliferation of munitions pilfered from national stockpiles.

In FY2022 (with prior year funds), the Department of State supported:

- A new program to help the Kazakhstan Ministry of Defense dispose of excess antitank landmines and construct a modular demilitarization facility to address other types of excess, obsolete, and degraded ammunition.

With funding from the Department of Defense, U.S. Central Command conducted a train-the-trainer course with the Kazakhstan Ministry of Defense on explosive ordnance disposal Level 2 and provided equipment to its demining center in Kapshaga. This included hook-and-line kits, inert training ordnance and explosive items, X-Ray equipment, and metal detectors.

KAZAKHSTAN	FY20	FY21	FY22	*FY09–22 TOTAL
DOS NADR - CWD	2,500	0	0	2,795
DOD	588	0	91	679
COUNTRY TOTAL	3,088	0	91	3,474

Dollars in thousands



ITF Enhancing Human Security

KYRGYZ REPUBLIC



Kyrgyz Republic faces substantial risk from unsecured, deteriorating arms and ammunition storage sites that threaten civilian safety due to their proximity to populated areas. From FY2009 to FY2022, the United States invested more than \$7.7 million to help Kyrgyz Republic refurbish its existing explosives storage facilities and segregate, secure, and destroy excess and unserviceable munitions. This assistance will improve capacity to prevent unplanned explosions at munitions sites that have the potential to injure and kill adjoining civilian populations. It will also reduce the risk of illicit proliferation of munitions from national stockpiles.

In FY2022, the Department of State supported:

- Kyrgyz Ministry of Defense efforts to dispose of expired artillery ammunition and outdated or obsolete advanced conventional weapons, renovate artillery ammunition storehouses, and train and develop proper national munitions stockpile management capacity.

KYRGYZ REPUBLIC	FY20	FY21	FY22	*FY09–22 TOTAL
DOS NADR - CWD	500	2,000	2,000	7,785
DOD	0	0	0	7
COUNTRY TOTAL	500	2,000	2,000	7,792

Dollars in thousands

IN FY2022:



759.4 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED



60 MANPADS, ATGMS, OR COMPONENTS DESTROYED



3 ARMORIES BUILT OR REHABILITATED



ITF Enhancing Human Security

SRI LANKA



Landmines and unexploded ordnance still litter Sri Lanka over a decade after the end of its civil war. They are a critical impediment to the resettlement of displaced families and economic development. This is particularly true as the government returns land to civilian use that was previously controlled by the military. The widespread presence of mines, unexploded ordnance, and improvised explosive devices poses an enduring hazard to returnees in those areas. According to the national mine action center, as of October 2022, approximately 17.7 million square meters (4,374 acres) of confirmed hazardous areas remained.

From FY1995 to FY2022, the United States invested more than \$94.8 million to survey and clear explosive hazards and provide explosive ordnance risk education to prevent further injuries, support training in munitions physical security and stockpile management, and provided additional capacity building measures.

In FY2022, the Department of State supported:

- Survey, clearance, and explosive ordnance risk education in Jaffna, Kilinochchi, Mannar, Mullaitivu, Trincomalee, and Vavuniya Districts.
- The Sri Lankan Police Training Brigade to better secure and account for its stocks of arms and ammunition by constructing new storage facilities and upgrading existing ones.
- Armory storekeeper and management training to improve Sri Lanka's capacity to safely handle and manage its national stockpiles.

The Department of Defense Humanitarian Demining Research and Development Program continued to evaluate the Rex lightweight armored excavator, the Improved Backhoe system and rake attachments, the Light Soil Sifter, a soil-sifting excavator attachment, and handheld standoff detection systems. This equipment provided area preparation, area reduction, and mine-clearance capabilities to clear villages and agricultural land.

With prior year funds, USAID's Leahy War Victims Fund continued its multi-regional programs to integrate and strengthen rehabilitation services in existing healthcare systems.

Manual demining is conducted in Sri Lanka.

Image courtesy of Mines Advisory Group.



A deminer in Sri Lanka adjusts her detector.

Image courtesy of Mines Advisory Group.



SRI LANKA	FY20	FY21	FY22	*FY95–22 TOTAL
DOS NADR - CWD	5,500	8,000	8,500	81,841
DOS OTHER	0	0	0	122
CDC	0	0	0	175
DOD	179	308	25	4,835
USAID	0	0	0	7,900
COUNTRY TOTAL	5,679	8,308	8,525	94,873

Dollars in thousands

IN FY2022:

1,588,364 SQUARE METERS (**392** ACRES) LAND CLEARED

156,127 SQUARE METERS (**38.5** ACRES) LAND RELEASED

9,589 LANDMINES DESTROYED

1,192 EXPLOSIVE REMNANTS OF WAR DESTROYED

20 IEDS OR COMPONENTS CLEARED OR DESTROYED

1,328 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS

71 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT

9 ARMORIES BUILT OR REHABILITATED

Delvon Association for Social Harmony, The HALO Trust, Mines Advisory Group, Skavita Humanitarian Assistance and Relief Project, World Health Organization



A mixed-gender demining team in Tajikistan.

Image courtesy of Norwegian People's Aid.

TAJIKISTAN



Tajikistan inherited an enormous stockpile of aging munitions following the collapse of the Soviet Union, including large-caliber ordnance and other explosives. Due to its porous borders with Afghanistan, poorly secured small arms and light weapons and ammunition present a real threat to national and regional security. Tajikistan also has extensive landmine and cluster munitions contamination along its southern and western borders that stems from its civil war in the 1990s and earlier Soviet attempts to prevent border crossings by Afghan militants and narcotics traffickers. During its civil war (1992–1997), Tajikistan's Central Rasht Valley region was heavily littered with landmines and unexploded ordnance that impedes the socioeconomic development of this fertile region. Explosive hazards limit access to valuable agricultural land and endanger border crossings, farming, wood gathering, and livestock grazing.

From FY2004 to FY2022, the United States invested more than \$35.9 million to clear landmines and unexploded ordnance, destroy excess and aging munitions, and provide survivors' assistance. The United States also provided physical security and stockpile management training, and national capacity building for the Tajikistan National Mine Action Center.

In FY2022, the Department of State supported:

- Multiple demining teams, including one to respond to explosive ordnance disposal callouts and destroy stockpiled munitions. Two mixed-gender clearance teams, three manual demining teams, and four non-technical survey teams worked along the southern Tajik-Afghan border.
- The Tajikistan National Mine Action Center's capacity by providing training on demining, program management, project development, and quality-assurance.
- A regional workshop to share lessons learned across Central Asian countries and foster closer cooperation on security and defense issues.
- Several regional training courses to build national capacity in explosive ordnance disposal and munitions stockpile management.

With funding from the Department of Defense, U.S. Central Command conducted train-the-trainer courses at International Mine Action Standards explosive ordnance disposal Level 3 for Tajik Ministry of Defense personnel. U.S. Central Command also provided supervision for Ministry of Defense instructors teaching Level 1 and Level 2 courses. Humanitarian mine action casualty care training and equipment provided included hook-and-line kits, combat lifesaver equipment, de-armers, and various hand tools.

As part of its multi-regional programs, USAID's Leahy War Victims Fund strengthened the health rehabilitation sector and the integration and improvement of rehabilitation services in existing healthcare.

TAJIKISTAN	FY20	FY21	FY22	*FY04–22 TOTAL
DOS NADR - CWD	1,500	3,300	2,500	28,783
DOD	439	862	112	4,283
USAID	0	0	0	2,880
COUNTRY TOTAL	1,939	4,162	2,612	35,946

Dollars in thousands

IN FY2022:

- **582,040 SQUARE METERS (144 ACRES) LAND CLEARED**
- **222,307 SQUARE METERS (55 ACRES) LAND RELEASED**
- **696 LANDMINES DESTROYED**
- ☠ **973 EXPLOSIVE REMNANTS OF WAR DESTROYED**
- 👤 **3,251 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**
- 👤 **35 SURVIVOR ASSISTANCE RECIPIENTS**
- 💣 **7.9 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**

International Committee of the Red Cross, Momentum for Humanity, Norwegian Peoples Aid, Organization for Security and Co-operation in Europe, Swiss Demining Foundation, Tajikistan National Mine Action Center, World Health Organization

OTHER U.S. SUPPORT

Nepal: USAID's Leahy War Victims Fund continued to support Humanity and Inclusion to establish a sustainable, integrated, public-private rehabilitation system to improve the mobility and functional independence of survivors of conflict and others in need of rehabilitation services. As part of a multi-regional program conducted with prior year funds, USAID continued to help the World Health Organization to integrate and strengthen rehabilitation services in existing healthcare systems.

Pakistan: With prior year funds, USAID's Leahy War Victims Fund continued to support Johns Hopkins University-Bloomberg School of Public Health to develop health systems that are responsive to needs for rehabilitation across the patient lifespan as part of a multi-regional program.

UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT



USAID
FROM THE AMERICAN PEOPLE

Patrick J. Leahy War Victims Fund

ACCESS TO REHABILITATION SERVICES IMPROVES LIVES

Established in 1989, the United States Agency for International Development's (USAID) Leahy War Victims Fund is an important source of U.S. assistance to civilian survivors of conflict in developing countries. The Fund's financial and technical support develops sustainable, quality physical rehabilitation services, including prosthetic and orthotic, physical and occupational therapy, and assistive technology services in conflict-affected countries. The fund supports the development of a range of services while maintaining its focus on victims of conflict and persons with disabilities.

In 2022, the Leahy War Victims fund provided more than \$13 million to support the rehabilitation of survivors of conflict in 13 countries. To date, the fund has provided approximately \$337 million in assistance to more than 50 countries.

USAID's physical rehabilitation activity in Nepal, funded by the Leahy War Victims Fund, aims to establish a sustainable, integrated, public-private rehabilitation system to improve the functional independence of victims of conflict (including from landmines and unexploded ordnance) and others that would benefit from rehabilitation services. The activity is working to establish sustainable rehabilitation services within the health system by employing a systems strengthening approach and the World Health Organization Rehabilitation 2030 strategy and tools. Additionally, the activity provides technical support to local physical rehabilitation centers throughout Nepal and fosters relationships between the physical rehabilitation centers and public sector physiotherapy units. The activity is implemented by Humanity and Inclusion.

Historically, Sudurpaschim Province is one of the least developed in the country, and access to rehabilitation services is limited. The Nepalese Civil War 1996–2006 had a significant impact on Sudurpaschim Province and resulted in many civilian victims of conflict (including survivors of landmines and explosive remnants of war). According to the *Landmine Monitor*, the total number of mine/explosive remnants of war survivors in Nepal is unknown, but at least 1,060 survivors of landmines or explosive remnants of war incidents have been recorded. The physical rehabilitation activity strives to ensure that civilian victims of conflict have access to appropriate services in five provinces.

Ram Bahadur Badayak

Ram Bahadur Badayak is a farmer from Sudurpaschim Province, Nepal. He lives in a multigenerational home with his wife, son, daughter-in-law, and grandchildren. After Ram had his leg amputated several years ago, he was unable to return to work in the field. This led to him developing significant stress, low-self-esteem, and depression.

A community outreach worker from the Nepal National Social Welfare Association, one of USAID's partners under the rehabilitation activity, referred Ram to the prosthetic service of the physical rehabilitation center so he could be fitted for a prosthetic device. The local social welfare association holds outreach events and mobile physical rehabilitation "camps" to identify civilian victims of conflict, persons with disabilities, and others who would benefit from rehabilitation services and refers them to the appropriate service such as prosthetics, physical therapy, assistive technology and/or social services.

After receiving his initial prosthetic device, Ram continues to use rehabilitation services for repairs and periodic replacement and encourages other people in his community, especially victims of the conflict, to use these services. The physical rehabilitation project emphasizes that the need for rehabilitation does not end with a single visit. Follow-up care is crucial and the team can provide referrals to other services, such as vocational training or psychosocial services tailored to individual needs.

"With timely access to the rehabilitation services, one can regain function and mobility like Ram Bahadur," says Nepal National Social Welfare Association prosthetist Krishna Raj Bhatta. "Even after amputation, it is extremely important for patients to have access to prosthetics and other assistive services to improve their health and well-being."

Devices such as prosthetic limbs help survivors perform their daily activities with the greatest degree of independence. Access to rehabilitation services and appropriate assistive technology further enables survivors to earn a living, attend school, and engage in community activities.

For Ram, having access to rehabilitation services means that he can resume work as a farmer and support his family. He explains, "The prosthetic limb does not feel artificial, [it is] a part of me." His confidence has increased, and he has become more active. Recently, Ram participated in a physical rehabilitation activity to highlight the importance of rehabilitation services to promote the integration of persons with disabilities.



Image courtesy of Humanity and Inclusion.

WESTERN HEMISPHERE

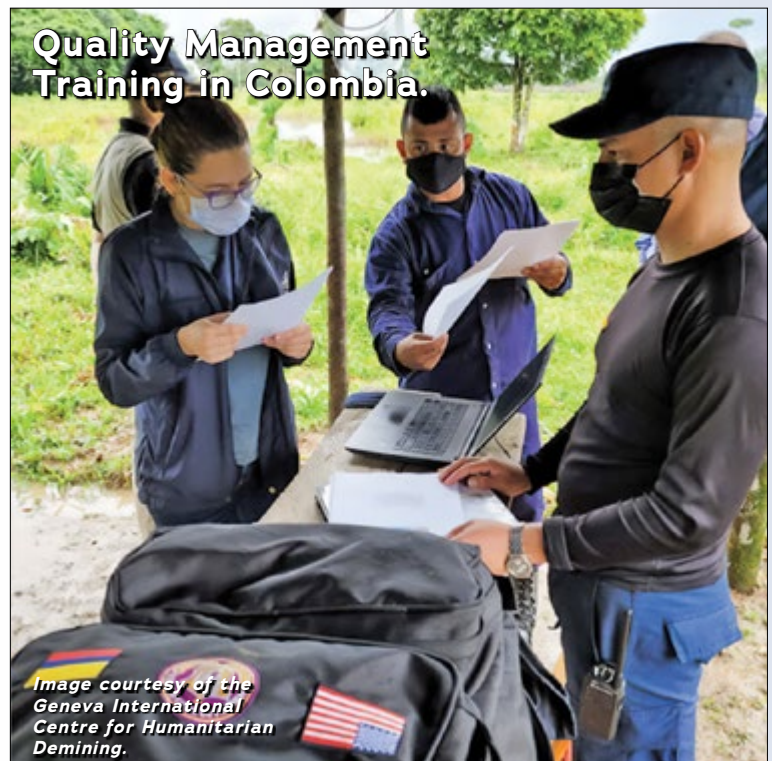
CARIBBEAN REGION | COLOMBIA | ECUADOR | EL SALVADOR
GUATEMALA | HONDURAS | PERU

In Latin America, the United States funds physical security and stockpile management programs in Ecuador, El Salvador, Guatemala, Honduras, Peru, and the Caribbean region. Its work there improves the security and management of munitions stockpiles, disrupts the diversion and illicit trafficking of small arms and light weapons, and reduces the risk of catastrophic unplanned explosions at munition storage sites. These programs strengthen civilian security, make it more difficult for drug traffickers, criminal gangs, and terrorists to obtain weapons from poorly secured stockpiles, and bolster the integrity of the U.S. southern border. U.S. efforts to reduce the availability of illicit weapons across the hemisphere support Pillar IV of the U.S. Strategy for Addressing the Root Causes of Migration in Central America, which focuses on countering and preventing violence, extortion, and other crimes perpetrated by criminal gangs, trafficking networks, and other organized criminal organizations.

In addition to addressing the illicit proliferation of weapons, the United States provides humanitarian demining assistance to Colombia, which remains the country in the Americas that is most heavily affected by landmines. Explosive hazards continue to threaten the livelihood of Colombians, making it difficult for families to safely return to their homes and disrupting the restoration of local economies. Since 2016, demining operations have expanded into previously inaccessible locations, thanks to the Government of Colombia's peace accord with the Revolutionary Armed Forces of Colombia (FARC).

The Government of Colombia, with the assistance of the United States and other international donors, continues to clear Colombia's remaining explosive hazards and return

agricultural land to productive use. In many areas, landmines and improvised explosive devices have physically displaced communities and reduced their access to agricultural land, which is their primary source of income. These disruptions are amplified for indigenous communities, which also depend on their protected ancestral lands for subsistence farming and spiritual practices. The return of cleared land in Colombia allows farmers and indigenous communities to restart agricultural production, increases the availability and diversity of sustainable food sources, and contributes to both economic and cultural stability.



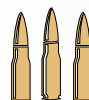
235,874
SQ M LAND RETURNED
TO COMMUNITIES



76
LANDMINES
DESTROYED



138
EXPLOSIVE REMNANTS OF
WAR/IEDs DESTROYED



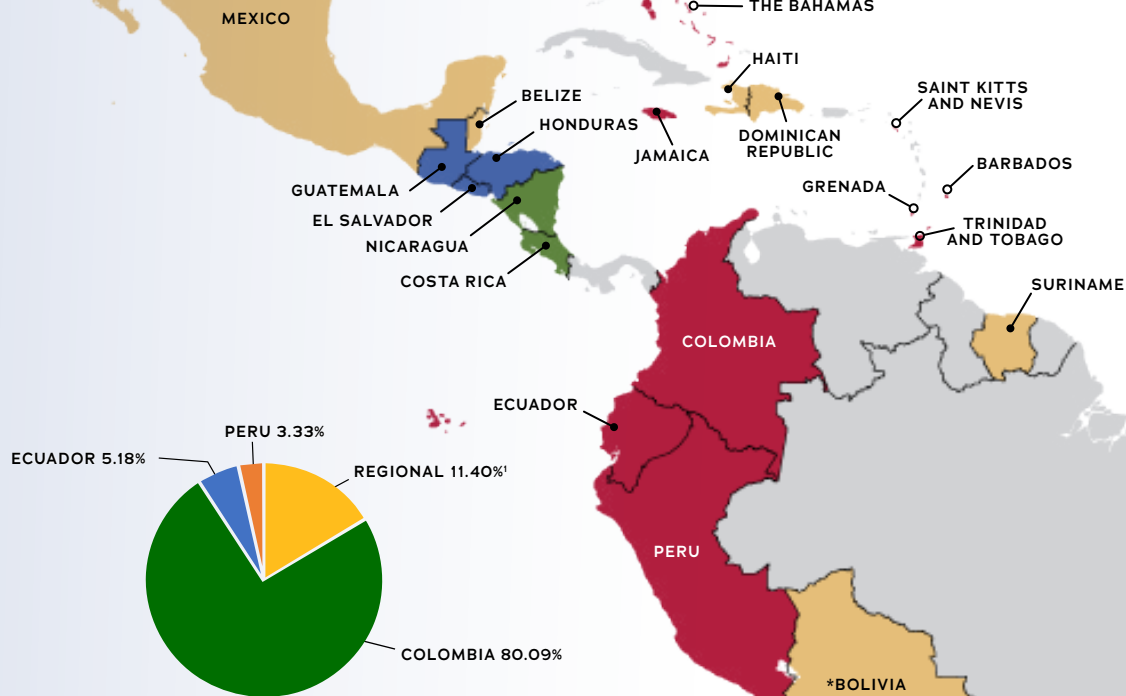
769
METRIC TONS OF
AMMUNITION DESTROYED



6,087
SMALL ARMS/LIGHT
WEAPONS DESTROYED



65,655
RISK EDUCATION
RECIPIENTS



PERCENTAGE OF THE \$30.6 MILLION ALLOCATED TO THE WESTERN HEMISPHERE IN FY2022 BY COUNTRY

WESTERN HEMISPHERE	FY93-19	FY20	FY21	FY22	FY93-22
REGIONAL ¹	0	0	0	1,500	1,500
ARGENTINA	579	0	0	0	579
BELIZE	300	0	0	0	300
CARIBBEAN REGION ²	0	1,850	0	0	1,850
CHILE	3,450	0	0	0	3,450
COLOMBIA	135,952	24,023	21,537	24,587	206,099
DOMINICAN REPUBLIC	500	0	0	0	500
ECUADOR	9,816	1,500	3,207	1,591	16,114
EL SALVADOR ³	6,828	0	0	0	6,828
EL SALVADOR, GUATEMALA, HONDURAS ^{1,3}	1,000	1,500	3,000	2,000	7,500
GUATEMALA ³	900	0	0	0	900
HAITI	3,500	0	0	0	3,500
HONDURAS ³	1,464	0	0	0	1,464
MEXICO	775	0	0	0	775
NICARAGUA	4,281	0	0	0	4,281
PARAGUAY	200	0	0	0	200
PERU	28,967	2,168	2,515	1,021	34,671
SURINAME	390	0	0	0	390
URUGUAY	200	0	0	0	200
TOTAL	199,102	31,041	30,259	30,699	291,101

TOTAL CONVENTIONAL WEAPONS DESTRUCTION FUNDING IN THE WESTERN HEMISPHERE FY1993-FY2022

1. Regional funding for FY22 includes \$15 million plus \$2 million allocated in the El Salvador, Guatemala, Honduras funding line.
2. The Caribbean Region includes The Bahamas, Barbados, Dominican Republic, Grenada, Jamaica, Haiti, Saint Kitts and Nevis, and Trinidad and Tobago.
3. El Salvador, Honduras, Guatemala began receiving regional funding in FY19.



\$30.7 MILLION

U.S. FUNDING IN FY2022

\$291 MILLION

U.S. FUNDING FY1993-FY2022

MAP LEGEND

- U.S. supported activity in FY22
- Received U.S. support in the past
- Mine-impact free & U.S. supported activity in FY22
- Mine-impact free with past U.S. support

Indigenous and Danish Refugee Council personnel plant native species on land formerly contaminated by mines and IEDs.

Image courtesy of the Danish Refugee Council.

COLOMBIA:

Humanitarian Mine Action, Reforestation and Sustainable Development

Article courtesy of Swiss Foundation for Demining and and Danish Refugee Council

The prolonged armed conflict in Colombia has significantly degraded the natural environment. Landmines and explosive remnants of war make large tracts of land unusable. Conflict and instability also foster the cultivation of illicit crops, as well as illegal mining and resource extraction. This has led to the unchecked exploitation of natural resources, reduction of native flora and fauna, soil erosion, deforestation, biodiversity loss, and contamination of water sources.

Though its primary purpose is to safeguard human life, humanitarian mine action reduces the risks explosive ordnance poses to local wildlife, and releasing land for legitimate use diminishes the incentives for local people to engage in illicit activities. Land release also enables further conservation and ecological recovery, as well as opportunities for ecotourism.

Colombia has seen several recent success stories where land release contributed positively to local environmental resilience.

In the Department of Caquetá, for example, the Danish Refugee Council cleared land in two areas within the Indi Wasi-Alto Fragua National Park that are also part of the Indigenous Reservation of Yurayaco. Danish Refugee Council and the local national park authority purchased native plants that were grown in a local indigenous community's nursery and used them to reforest. In 2021 and 2022, local people and the Danish Refugee Council reforested 28,900 square meters (more than 7 acres) in accordance with ancestral indigenous procedures.

This kind of rapid reforestation after mine clearance contributes to the recovery of biodiversity, increases environmental resilience, and reduces the planting of illicit crops, so long as subsequent mid- and long-term maintenance is provided.

In Meta Department, the Association of Women's Cacao Growers of Cubarral was founded seven years ago to heal the damage caused by violence to women and their families. Currently, the association is made up of 11 women, some of whom are heads of the family, and others who are elderly or disabled. Together, they plant coffee and cocoa on land released through humanitarian mine action. This has generated significant employment in a municipality characterized by low employment, helped local women earn an income, and restored the agricultural capacity of the

region. It demonstrates how humanitarian mine action in support of environmental restoration can lead to economic growth.

These stories all reflect close cooperation between humanitarian mine action operators and local communities. The lesson is that humanitarian mine action can contribute to greater local resilience from an ecological and socio-economic perspective. This holistic approach helps mitigate the negative environmental consequences of conflict and demining, aids the recovery of biodiversity, and benefits the local community.



Cacao is harvested on land formerly polluted with explosive hazards.

Image courtesy of Association of Women's Cacao Growers of Cubarral.

A deminer works in rough terrain in Colombia.

Image courtesy of The HALO Trust (see Columbia profile next page).



THE CARIBBEAN REGION

Armed violence in the Caribbean continues to threaten civilian security and regional stability. The region’s unique geography makes it a key transit point for illicitly trafficked arms, narcotics, and other goods that flow between the United States and Central and South America. The region accounts for approximately 23 percent of all globally recorded homicides despite being home to less than 1 percent of the world’s population.

Under the auspices of the Caribbean Basin Security Initiative, 16 Caribbean states and U.S. stakeholders developed a set of priority actions to address the illicit proliferation of firearms and ammunition called the Caribbean Firearms Roadmap.¹ The United States supports implementation of the roadmap.

- In FY2022 (with prior year funds), the State Department supported:
- The drafting and implementation by Caribbean states of national action plans (as called for by the Caribbean Basin Security Initiative).
 - Training programs to bolster capabilities in detecting and preventing firearms and ammunition trafficking.
 - Physical security assessments of vulnerable conventional weapons stockpiles.

1. “Roadmap for Implementing the Caribbean Priority Actions on the Illicit Proliferation of Firearms and Ammunition across the Caribbean in a Sustainable Manner by 2030”, which began in 2020. <https://trend.pe/unirec/en/publicaciones/caribbean-firearms-roadmap>

CARIBBEAN REGION	FY20	FY21	FY22	FY19–22 TOTAL
DOS NADR - CWD	750	0	0	750
DOS-OTHER	1,100	0	0	1,100
COUNTRY TOTAL	1,850	0	0	1,850

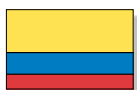
Dollars in thousands

IN FY2022:



United Nations Regional Center for Peace, Disarmament, and Development in Latin America and the Caribbean

COLOMBIA



Following its 2016 peace accord with the FARC, the Government of Colombia has committed significant resources to address the widespread landmine and improvised explosive device contamination throughout the country. This includes development of the civilian support and coordination provided by the national mine action authority, *Descontamina*, which is under the Office of the High Commissioner for Peace, and more than 5,200 humanitarian deminers from its military.

The Office of the High Commissioner for Peace reports that Colombia has suffered more than 12,000 recorded mine incidents since 1990, the highest number in the Western Hemisphere. Its six most heavily affected departments are Antioquia, Caquetá, Cauca, Meta, Nariño, and Norte de Santander.

Since FY2001, the United States has invested more than \$206 million to support Colombia's mine action sector. In addition to helping Colombia build its substantial national demining capacity, this assistance facilitates the survey of priority municipalities and clearance of high-impact minefields, with an increased focus on areas where such efforts coincide with planned development and stabilization projects.

In FY2022, the Department of State supported:

- Clearance in several municipalities across its six most heavily affected departments as well as explosive ordnance risk education for children and communities through sport-based activities.
- Technical advisors to the Office of the High Commissioner for Peace to strengthen its capacity and support the country-wide quality management program to ensure land is cleared in accordance with international and national standards. This assistance also supports clearance activities performed by Colombia's own military humanitarian demining units.

With funding from the Department of Defense:

- The Humanitarian Demining Research and Development Program evaluated one Little Storm mine clearance system based on a commercial excavator specialized for operation in rough terrain, one Bearcat area preparation system, and four Rambo demining support systems.

- U.S. Southern Command also procured chargers and spare batteries for 694 portable VHF radios to ensure the Colombian military's sufficient, properly functioning communications equipment to conduct humanitarian demining operations.

With prior year funding from USAID, the Leahy War Victims Fund continued to support the development of inclusive sport activities and physical rehabilitation services in conflict affected communities and continued supporting the strengthening of functional rehabilitation services. As part of multi-regional programs, the fund also supported the integration and strengthening of rehabilitation services in existing healthcare systems with prior year funds.

COLOMBIA	FY20	FY21	FY22	FY01–22 TOTAL
DOS NADR-CWD	21,000	21,000	21,000	164,599
CDC	0	0	0	450
DoD	23	37	1,087	13,683
USAID	3,000	500	2,500	27,367
TOTAL	24,023	21,537	24,587	206,099

Dollars in thousands

IN FY2022:

- 197,572 SQUARE METERS (49 ACRES) LAND CLEARED**
- 18,580 SQUARE METERS (4.6 ACRES) LAND RELEASED**
- 34 EXPLOSIVE ORDNANCE DISPOSAL CALLOUTS**
- 76 LANDMINES DESTROYED**
- 46 EXPLOSIVE REMNANTS OF WAR DESTROYED**
- 92 IED OR COMPONENTS CLEARED OR DESTROYED**
- 65,655 EXPLOSIVE ORDNANCE RISK EDUCATION RECIPIENTS**

Arcangeles Foundation, Colombia Campaign Against Landmines, Humanitarian Disarmament and Peacebuilding, Geneva International Centre for Humanitarian Demining, Humanity and Inclusion, The HALO Trust, Organization of American States, Organization for Migration, Results 4 Development, Spirit of Soccer, Swiss Foundation for Demining, World Health Organization



ECUADOR



Since a border conflict with Peru in 1995, Ecuador has invested significant resources to responsibly store and manage its national munitions stockpiles. In February 2020, the Department of State launched a new conventional weapons destruction program to support Ecuador's ongoing efforts.

From FY2001 to FY2022, the United States invested more than \$14.6 million to support conventional weapons destruction activities in Ecuador. In FY2022, U.S. assistance continued to improve management and security at priority munitions depots, facilitate the destruction of obsolete ordnance, and assure that the explosive ordnance disposal training curriculum for Ecuador's armed forces met international standards.

In FY2022, Department of State supported:

- Destruction of obsolete ordnance and provided ammunition management courses to Ecuador's armed forces.
- Prioritizing the destruction of man-portable air defense systems (MANPADS) in coordination with the Ecuadorian Army, which diminishes the risk of illicit trafficking of such weapons, promotes regional security, and safeguards global aviation.
- Physical security and infrastructure upgrades to priority weapons facilities to better protect and safely manage stored munitions.

With funding from the Department of Defense, and with the assistance of explosive ordnance disposal instructors from the Kentucky Air National Guard and U.S. Navy corpsmen, U.S. Southern Command and the Humanitarian Demining Training Center, provided the Ecuadorian Army with train-the-trainer courses and equipment for landmine clearance, non-technical survey, and humanitarian mine action casualty care.

ECUADOR	FY20	FY21	FY22	FY01–22 TOTAL
DOS NADR - CWD	1,500	2,000	1,500	11,025
DOD	0	1,207	91	5,089
COUNTRY TOTAL	1,500	3,207	1,591	16,114

Dollars in thousands

IN FY2022:

- 15.8 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**
- 2,237 SMALL ARMS AND LIGHT WEAPONS DESTROYED**
- 91 MANPADS, ATGMS, OR COMPONENTS DESTROYED**
- 93 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT**
- 7 ARMORIES BUILT OR REHABILITATED**



Mines Advisory Group



A member of the El Salvador military participates in an EOD training course.

Image courtesy of The HALO Trust.

EL SALVADOR, GUATEMALA, HONDURAS



Central America’s porous borders and illegal armed groups facilitate and sustain the illicit proliferation of small arms and light weapons that threaten civilians and host nation security forces. Additionally, the significant stockpiles of confiscated weapons that this region’s governments have neither secured nor properly disposed of remains a major proliferation risk. Many of the weapons confiscated from criminal organizations are military-grade, and highly vulnerable to theft.

The Department of State consolidated its El Salvador, Guatemala, and Honduras projects into one regional project in FY 2019. From FY 2019 to FY 2022, the United States invested \$7.5 million to support conventional weapons destruction in El Salvador, Guatemala, and Honduras. These projects are designed to better secure vulnerable depots through physical security and stockpile management enhancements and provide specialized training to develop national capacity within the region’s military and national police forces. Some confiscated firearms and obsolete ammunition and ordnance were also destroyed, in coordination with local authorities. These objectives contribute to Pillar IV of the 2021 White House Strategy to Address the Root Causes of Migration in Central America, which is to “[c]ounter and prevent violence, extortion, and other crimes perpetrated by criminal gangs, trafficking networks, and





other organized criminal organizations.”
In FY2022, the Department of State supported:

- The destruction of obsolete munitions.
- Continued to strengthen national military and police physical security and stockpile management capacities by providing training for security forces personnel, installing physical upgrades to weapons storage facilities, and reducing easy access to government weapons.

EL SALVADOR, GUATEMALA, HONDURAS	FY20	FY21	FY22	FY19–22 TOTAL
DOS NADR - CWD	1,500	3,000	2,000	7,500
COUNTRY TOTAL	1,500	3,000	2,000	7,500

Dollars in thousands

IN FY2022:

-  **12.27 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED**
-  **3,850 SMALL ARMS AND LIGHT WEAPONS DESTROYED**
-  **192 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT**
-  **34 ARMORIES BUILT OR REHABILITATED**

 **THE HALO TRUST**



Peruvian personnel empty a small arms ammunition burning tank after incinerating excess and obsolete small arms ammunition with on-site support of firefighters.

Image courtesy of Mines Advisory Group.

PERU



Peru retains a significant amount of excess and obsolete weapons and ammunition stemming from a border conflict with Ecuador in 1995. U.S. conventional weapons destruction programs address the vulnerabilities of weapons stockpiles located in both remote and urban areas by providing physical security upgrades to depots and facilitating training for security personnel to ensure the safe management of these aging munitions. Better management and the eventual destruction of excess munitions is required for Peru to reduce the risk of illicit proliferation and unplanned depot explosions.

From FY1999 to FY2022, the United States contributed more than \$34.6 million to first support humanitarian mine action activities and, more recently, to implement a small arms and light weapons disposal project. Previous assistance to Peru's mine action sector strengthened its national mine action authority and ensured the country was sufficiently equipped to reduce its landmine contamination on its own. Currently, Department of State assistance helps mitigate the risk of unplanned explosions of obsolete ordnance and strengthens Peru's capacity to efficiently manage its munitions stockpiles.

In FY2022, the Department of State supported:

- Physical security and stockpile management capacity building to address excess and obsolete munitions at priority depots through the destruction of weapons and ammunition.
- Expansion of physical security and stockpile management assistance with the Peruvian National Superintendence for the Control of Security Services, Arms, Ammunition and Explosives for Civilian Use.

- Specialized physical security and stockpile management, and explosive ordnance disposal training to help Peru's air force destroy its obsolete weapons.

With funding from the Department of Defense, and with the assistance of explosive ordnance disposal instructors from the Wisconsin Air National Guard and the New Jersey Air National Guard, in FY2022 U.S. Southern Command provided training courses in physical security and stockpile management and explosive ordnance disposal Level 1.

PERU	FY20	FY21	FY22	FY99–22 TOTAL
DOS NADR - CWD	2,000	1,000	1,000	20,006
DOD	168	1,515	21	13,665
USAID	0	0	0	1,000
COUNTRY TOTAL	2,168	2,515	21	34,671

Dollars in thousands

IN FY2022:



738 METRIC TONS OF UNSERVICEABLE AMMUNITION DESTROYED



11 PERSONNEL TRAINED IN STOCKPILE MANAGEMENT



Mines Advisory Group

U.S. Department of Defense

HUMANITARIAN DEMINING RESEARCH AND DEVELOPMENT PROGRAM

The U.S. Army Humanitarian Demining Research and Development Program develops, demonstrates, and validates new landmine and unexploded ordnance detection and clearance technologies using a rapid development process that focuses on the transformation of commercial off-the-shelf equipment into demining technologies that are improving the safety and efficiency of mine clearance worldwide. The Humanitarian Demining Research and Development Program also uses mature technologies or leverages existing military countermine technologies for implementation in a humanitarian demining role.

The program's current technology development areas include hazardous area confirmation, vegetation and obstacle clearance, landmine and unexploded ordnance detection, mechanical-mine and unexploded ordnance clearance, mechanical-mine neutralization, post-clearance quality control, and information management. Technology development plans are based on feedback from ongoing field evaluations, biannual requirements workshops with implementing partners and country programs, and periodic site assessments with these same partners.

The Humanitarian Demining Research and Development Program partners with humanitarian demining organizations to conduct operational field evaluations of developmental technology in their own demining operations to provide assessment and feedback on new technologies. Operational field evaluations are one of the most important aspects of the program because the equipment undergoes testing in actual minefields. These evaluations allow the host country to operate the equipment and

determine whether it is useful, cost effective and efficient, and is key to Humanitarian Demining Research and Development success in research and development.

The program coordinates extensively with U.S. Department of Defense Geographic Combatant Commands, the office of the Department of Defense Deputy Assistant Secretary of Defense (Policy) for Special Operations and Low Intensity Conflict, U.S. Department of State's Office of Weapons Removal and Abatement, and the Defense Security Cooperation Agency and its Humanitarian Demining Training Center, host nation mine action centers, and foreign militaries to ensure that program requirements are being met.

In FY2022, the program performed testing and operational field evaluations in Afghanistan, Angola, Bosnia and Herzegovina, Cambodia, Chile, Iraq, Kosovo, Lebanon, Palau, Sri Lanka, Syria, Thailand, Ukraine, Vietnam, the West Bank and Zimbabwe.

The rotary mine comb was developed to extricate buried objects from the soil and push them to the side of the host vehicle.

Image courtesy of the Center for International Stabilization and Recovery.



<http://humanitarian-demining.org>



Implementing Partners

NONGOVERNMENTAL ORGANIZATIONS HEADQUARTERED IN THE UNITED STATES

Catholic Relief Services (CRS), established in 1943, is the official overseas relief and development agency of the U.S. Conference of Catholic Bishops. For more than a decade, Catholic Relief Services has worked to reduce the risk of injury or death from unexploded ordnance in Vietnam and trained children, teachers, parents, and community members in explosive ordnance risk education. <http://crs.org>

Development Alternatives Inc. is a U.S. based nongovernmental organization that works with national and local governments, bilateral and multilateral donors, private corporations, and philanthropies around the world to address fundamental social and economic development problems caused by inefficient markets, ineffective governance, and instability. <https://www.dai.com/>

The Golden West Humanitarian Foundation (GWHF) is a United States-based nonprofit charitable organization dedicated to innovation in training and technology, and overcoming limitations in humanitarian mine action operations. Golden West provides expert explosive ordnance disposal and physical security and stockpile management consulting, International Mine Action Standards and International Ammunition Technical Guidelines compliant training, and technology making humanitarian mine action safer, faster, and more cost effective. <http://goldenwesthf.org>

The Marshall Legacy Institute (MLI) is a Virginia-based nonprofit organization founded to help restore hope, alleviate suffering, and nurture stability in war-torn countries. Marshall Legacy Institute has established indigenous programs in 15 mine-affected

countries that help rid them of landmines and their lasting impact. <http://marshall-legacy.org>

Momentum for Humanity (formerly United Cerebral Palsy of Los Angeles/Wheels for Humanity) is a California nonprofit founded in 2007 that helps people with mobility impairments maximize their independence and quality of life by building and strengthening rehabilitation services, including assistive technologies. <https://turn4humanity.org/>

PeaceTrees Vietnam is a Seattle-based nongovernmental organization founded in 1995 as a grassroots effort to bring peace, friendship, and renewal to the people of Quang Tri, one of the most war-torn provinces of Vietnam. PeaceTrees' work includes mine and unexploded ordnance clearance, explosive ordnance risk education, survivor assistance, scholarships to landmine survivors and their families, and community restoration projects. <http://peacetreesvietnam.org>

The Polus Center for Social & Economic Development, established in 1979, is a Massachusetts-based nonprofit nongovernmental. The organization partners with public and private foundations to address the impact of mines and unexploded ordnance on communities around the world. <http://poluscenter.org>

World Education, Inc., a Massachusetts-based nonprofit organization, was founded in 1951 to meet the needs of the educationally disadvantaged and provides training and technical assistance in non-formal education across a wide array of sectors. World Education has worked to support survivor assistance, explosive ordnance risk education, and disability inclusion. <http://worlded.org>

INTERNATIONAL AND FOREIGN NONGOVERNMENTAL ORGANIZATIONS

Accessibility Organization for Afghan Disabled is a nonprofit and nonpolitical nongovernmental organization working for persons with disabilities along with their immediate family members as a peer-support, advocate organization founded in 2007 in Kabul, Afghanistan. <https://aoad-af.page.tl/Home.htm>

Afghan Technical Consultants, established in 1989, was the first humanitarian demining nongovernmental organization in Afghanistan endorsed by the United Nations. Afghan Technical Consultants work to reduce civilian casualties and enable land release through detection, clearance, and explosive ordnance risk education. <http://atc-wlfdngo.org.af>

Agency for Rehabilitation and Energy Conservation in Afghanistan (AREA) is a non-governmental, non-political, nonprofit developmental organization that envisions the achievement of peace and stability in Afghanistan through empowering communities at the grassroots level. <https://area-org.af/>

APOPO, established in 1995, is a registered Belgian nongovernmental organization and U.S. non-profit that trains sub-Saharan African pouched rats and mine detection dogs to help detect landmines, returning safe land back to communities for development so they can proceed with their lives. <https://apopo.org/en>

Arcangeles Foundation is a nonprofit working to improve the living conditions of vulnerable populations in Colombia. Its main objective is to achieve social inclusion and to ensure for future generations an inclusive and sustainable world. <https://arcangeles.org/>

The Colombian Campaign Against Landmines monitors fulfillment of the Ottawa Convention on behalf of the Colombian Government, compiles reports each year for the *Landmine and Cluster Munition Monitor*, and supports survivor assistance and explosive ordnance risk education. <https://colombiasinminas.org/>

DanChurchAid (DCA) is an independent ecumenical humanitarian organization based in Copenhagen, Denmark, that provides humanitarian assistance and mine action programs combining explosive ordnance risk education, mine clearance, and community-development activities. <http://dca.dk>

Delvon Assistance for Social Harmony (DASH) is a Sri Lankan humanitarian demining organization founded in 2010 to increase the safety and security of people living in mine-affected areas through the removal and destruction of mines and unexploded ordnance. To support sustainable post-conflict recovery,

the organization strives to employ displaced persons, especially widows and female heads of households. <http://slnmac.gov.lk/services/de-mining/current-demining/dash.html>

The Demining Agency for Afghanistan (DAFA), formed in 1990, is an Afghan humanitarian mine clearance organization. The organization's mission is to clear all hazardous and mine-contaminated areas in Afghanistan by committing resources to humanitarian demining, clearance for road reconstruction, local government-sponsored construction plans, and disarmament, demobilization, and reintegration. <https://dafa.af>

Free Fields Foundation is a neutral, nonprofit, humanitarian mine action organization founded in 2012 and based in Tripoli, Libya. Free Fields Foundation is accredited by the Libyan Mine Action Centre to conduct explosive ordnance risk education, non-technical survey, explosive ordnance disposal and battle area clearance. <https://freefields.org>

The HALO Trust (HALO) is the world's largest humanitarian landmine removal organization. Its mission is to protect lives and restore livelihoods for those affected by conflict. HALO employs more than 8,600 staff and operates in over 25 countries and territories. HALO's work, clearing landmines and other debris of war, creates safe and secure environments in some of the world's most vulnerable communities. <https://www.halotrust.org/>

Humanitarian Disarmament and Peacebuilding (HDP), formerly Danish Demining Group, is a humanitarian mine action and armed violence reduction unit within the Danish Refugee Council, a non-profit and nongovernmental organization working to protect and provide long-lasting solutions to communities affected by war and armed conflict. <https://drc.ngo/our-work/what-we-do/core-sectors/humanitarian-disarmament-and-peacebuilding/>

Humanity & Inclusion works with persons with disabilities and other vulnerable populations in situations of conflict, natural disaster, exclusion, and extreme poverty. The organization implements mine action programs, working to clear mines and unexploded ordnance from civilian areas, providing explosive ordnance risk education programs, and rendering assistance to those who have been injured. <https://www.hi-us.org/>

Information Management and Mine Action Programs (iMAP) is an international nonprofit nongovernmental organization that provides targeted information management support to partners responding to complex humanitarian and development challenges. iMAP's expertise in data collection, analysis, and presentation supports the decision-making process for its diverse, multi-sector partners. <http://immap.org>

The International Campaign to Ban Landmines (ICBL) is a coalition of NGOs whose stated objective is a world free of anti-personnel mines and cluster munitions, where mine and cluster munitions survivors see their rights respected and can lead fulfilling lives. <http://www.icbl.org/en-gb/home.aspx>

ITF Enhancing Human Security (ITF) is a humanitarian nonprofit organization established by the Republic of Slovenia Government in March 1998. ITF focuses on humanitarian mine action, conventional weapons destruction, and other forms of post-conflict assistance and continues to expand its thematic and geographic scope of activities globally. <https://www.itf.si>

Mines Advisory Group (MAG) began operations in Afghanistan

in 1989. In association with its U.S. partner MAG America, UK-based Mines Advisory Group is a humanitarian organization working in countries affected by conflict and insecurity to clear mines and unexploded ordnance, implement conventional weapons stockpile management and destruction programs, provide explosive ordnance risk education, and offer capacity-building support. <https://www.maginternational.org>

The Mine Clearance Planning Agency (MCPA) is an Afghan nongovernmental organization founded in 1990 specializing in landmine impact and post-clearance surveys, technical survey and battle area clearance, polygon surveys, and mine- and unexploded ordnance-impact free community surveys. The agency provides manual, mechanical, and mine detection dog clearance, explosive ordnance disposal, explosive ordnance risk education, mine action training, and management information systems for mine action programs <https://www.mcpa.org.af/contact/>

The Mine Detection Center (MDC) was established in 1989 with the goal to free Afghanistan from the impacts of mines and unexploded ordnance so that individuals and communities can live in a safe environment conducive to national development. The center clears contaminated land and safely destroys mines and unexploded ordnance using a variety of assets and techniques. <https://www.mdcafgghan.org/>

The Mine Detection Dog Center (MDDC) in Bosnia and Herzegovina trains dogs to detect landmines, explosives, narcotics, and to conduct search and rescue operations, and trains dog handlers and trainers. Currently dogs work in Bosnia and Herzegovina, Iraq, Lebanon, Azerbaijan, Afghanistan, Angola, Turkey, and other Southeast European countries. The center is also involved in humanitarian demining, explosive ordnance risk education and mine survivor assistance. <http://www.mddc.ba/>

Norwegian People's Aid (NPA), a Norwegian nongovernmental organization, was founded in 1939 on the principles of solidarity, dignity, peace, and freedom. For more than 20 years, the organization has implemented mine action programs in more than 40 countries and territories. <http://www.npaid.org>

The Organization for Mine Clearance and Afghan Rehabilitation (OMAR) was established in 1990 to teach Afghan refugees and internally displaced Afghans about the dangers of mines and unexploded ordnance. In 1992, the organization expanded its operations to mine clearance, hiring and training more than 1,500 deminers in manual and mechanical demining, battle area clearance, explosive ordnance disposal, and working with mine detection dogs.

Results for Development (R4D) is a global nonprofit founded in 2008 that supports local change agents—government officials, civil society leaders, and social innovators—to drive reforms and engage in continuous improvement. <https://r4d.org/>

Skavita Humanitarian Assistance and Relief Project (SHARP) is a Sri Lankan nongovernmental organization based in Colombo that conducts humanitarian demining activities. skavita.sl@gmail.com

Spirit of Soccer (SOS), founded in 1996, is a UK- and U.S.-

registered nonprofit that uses soccer/football skills clinics and tournaments to educate children about the dangers posed by mines and unexploded ordnance in conflict and post-conflict regions. Spirit of Soccer has created explosive ordnance risk education courses in post-conflict countries including Bosnia and Herzegovina, Cambodia, Colombia, Iraq, Jordan, Kosovo, Lebanon, Laos, Sri Lanka, and Moldova. <http://spiritofsoccer.org>

The Swiss Foundation for Mine Action (FSD) was established in 1997 and has worked in over 30 countries worldwide for the last 23 years. The overall objective of the foundation is to clear contaminated land of explosive contamination and to promote mine action in general; the foundation aims to mitigate the social, economic, and environmental impacts of landmines and environmental contamination worldwide. <https://fsd.ch/en>

GOVERNMENT AND INTERNATIONAL ORGANIZATIONS

The International Committee of the Red Cross's (ICRC) Physical Rehabilitation Program (PRP), formerly the ICRC MoveAbility Foundation was established in 1983 under the International Committee of the Red Cross and aims to improve physical rehabilitation capacities in low- and middle-income countries by maintaining and increasing access to quality and sustainable services. <https://www.icrc.org/en/document/moveability-liquidation>

International Organization for Migration (IOM), founded in 1951, helps ensure the orderly and humane management of migration, and provides humanitarian assistance to migrants in need, be they refugees, displaced persons, or other uprooted people. <http://www.iom.int/>

NATO Support and Procurement Agency (NSPA), NATO's integrated logistics and services provider, implements U.S. funded CWD programs in Bulgaria and Slovakia. NSPA also implemented the NATO Partnership for Peace Trust Fund in Ukraine which closed this year in the wake of Russia's full-scale invasion. NSPA has also worked on physical security and stockpile management and conventional weapons destruction programs in several countries including Albania, Azerbaijan, Jordan, Mauritania, and Serbia. <https://www.nspa.nato.int/>

The Organization of American States (OAS) was established in 1948 with the goal of encouraging sustainable peace, justice, solidarity, collaboration, integrity, and independence among the nations of the Americas. The organization supports a regional approach to demining programs in the Western Hemisphere and executes conventional weapons destruction programs. <https://oas.org>

The Organization for Security and Co-operation in Europe is the world's largest regional security organization with 57 participating states in Europe, Central Asia, and North America. The organization offers a forum for political dialogue and decision-making in the fields of early warning, conflict prevention, crisis management, and post-conflict rehabilitation. <http://osce.org>

The Regional Centre on Small Arms in the Great Lakes Region, Horn of Africa, and Bordering States (RECSA), established in 2005, helps build the capacity of its 15 African member countries, and coordinates and monitors the implementation of the Nairobi Protocol signed in April 2004. Its mission is to coordinate action against small arms and light weapons proliferation in the Great Lakes region, Horn of Africa, and bordering states. RECSA's vision is a safe and secure sub-region in a peaceful continent, free from arms proliferation. <http://recsasec.org>

The Tajikistan National Mine Action Center (TNMAC) is a state institution under the government of the Republic of Tajikistan established in January 2014 to coordinate all mine action-related projects. muhabbat.ibrohimzoda@tnmac.gov.tj

The United Nations Development Program/Southeastern and Eastern Europe Clearinghouse for the Control of Small Arms and Light Weapons (UNDP/SEESAC) works to strengthen the capacities of national and regional stakeholders to control and reduce the proliferation and misuse of small arms and light weapons, advance gender equality, facilitate regional cooperation and thus contribute to enhanced stability, security, and development. <https://www.seesac.org>

The United Nations Mine Action Service, established in 1997 by the UN General Assembly, is housed in the Department of Peacekeeping Operations, Office of Rule of Law and Security Institutions. It is the coordinator for the Inter-Agency Coordination Group on Mine Action, which brings together working-level representatives of 12 UN mine action organizations to set priorities among UN participants and share information, and sets up and manages mine action coordination centers as part of peacekeeping operations. <https://www.unmas.org/en>

United Nations Regional Center for Peace, Disarmament, and Development in Latin America and the Caribbean (UN-LIREC) is the UN regional entity specialized in disarmament, arms control and non-proliferation in the Latin American and Caribbean region. Its main function is to assist States to implement international instruments and commitments in these fields. <https://unlirec.org/en/>

United Nations Office for Project Services (UNOPS), established in 1973, helps advance sustainable implementation practices in development, humanitarian, and peacebuilding contexts in some of the world's most challenging environments. Support is concentrated in areas where it has a clear mandate and expertise: infrastructure, procurement, project management, human resources, and financial management services. <https://www.unops.org/>

The World Health Organization (WHO) is a specialized agency of the United Nations responsible for international public health. The organization's broad mandate includes advocating for universal healthcare, monitoring public health risks, coordinating responses to health emergencies, and promoting human health and well-being. <https://www.who.int/>

ACADEMIC INSTITUTIONS

The Center for International Stabilization and Recovery (CISR), was established at James Madison University in 1996. Through its publications, training courses, fellowships, and web tools, the center supports information exchange within the humanitarian mine action and conventional weapons destruction communities. CISR produces *To Walk the Earth in Safety*, and publishes *The Journal of Conventional Weapons Destruction*, which was first published in 1997 and is the longest-running source of information on conventional weapons destruction in the world. <http://jmu.edu/cisr>

The Geneva International Centre for Humanitarian Demining (GICHD), formed in 1998, supports the ongoing improvement of mine action performance. The Centre enables national authorities, mine action organizations, and other partners to do their jobs better by furthering knowledge, promoting norms and standards, and developing capacity. <http://gichd.org>

CONTRACTOR

Tetra Tech is a leading provider of consulting and engineering services for projects worldwide. With 20,000 associates working together, Tetra Tech delivers clear solutions to complex problems in water, environment, infrastructure, resource man-

Johns Hopkins University-Bloomberg School of Public Health, based in Baltimore and founded in 1916, works with communities and populations to identify the causes of disease and disability, and implement large-scale solutions. <https://www.publichealth.jhu.edu/>

Small Arms Survey (SAS), based at the Graduate Institute of International and Development Studies in Geneva, Switzerland, serves as the principal international source of public information on all aspects of small arms and armed violence, providing a valuable resource for governments, policymakers, researchers, and civil society. <http://smallarmssurvey.org>

agement, energy, international development, and munitions response. <https://www.tetrattech.com/en/markets/international-development/services/stabilization/munitions-response>



Battle area clearance in Old Mosul, Iraq.

Image courtesy of Tetra Tech.

U.S. Department of Defense HUMANITARIAN DEMINING TRAINING CENTER

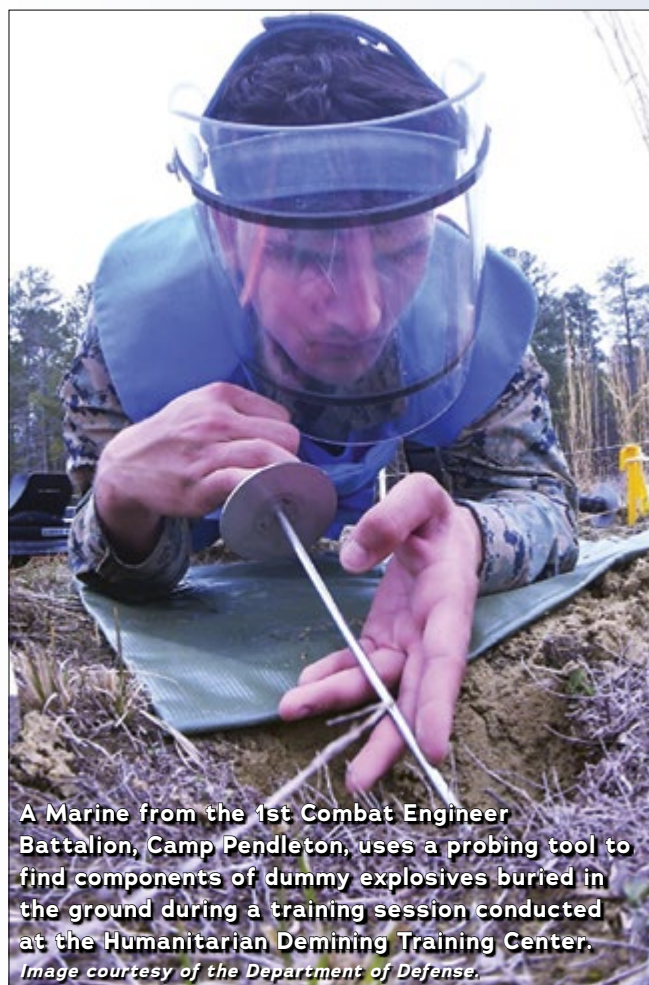
The Defense Security Cooperation Agency operates the Department of Defense Humanitarian Demining Training Center at Fort Lee, Virginia. The Center trains and prepares U.S. military forces, U.S. government stakeholders, and international partners to conduct humanitarian mine action missions, explosive remnants of war disposal, and physical security and stockpile management using "Train the Trainer" instructional methods.

The Center conducts the Humanitarian Mine Action Basic Course that prepares U.S. service members to teach others the curriculum on landmine clearance and battle area clearance that conforms to International Mine Action Standards and international best practices. The course also covers humanitarian mine action mission planning and course development, including lesson plans, communication, and policy and laws related to conventional weapons destruction. Students are exposed to a wide variety of clearance techniques and equipment, as well as internationally recognized best practices for clearance of hazard areas.

The Humanitarian Demining Training Center also conducts a non-resident course via a mobile training team. The course provides an overview of the humanitarian mine action program including applicable laws, policies and regulations, international treaties, International Mine Action Standards, test and evaluation, and concept of operations.

In addition, the Center provides program management support, capacity-building training, technical assistance, and demining and stockpiled conventional munitions assistance to partner nations for mine action programs and physical security and stockpile management administered by the U.S. military's geographic combatant commands: Africa Command, Central Command, European Command, Indo-Pacific Command, and Southern Command. When a partner nation is accepted into the Department of Defense mine action program, the Center deploys program analysts to assess the state of a partner nation's capability to conduct demining and stockpile conventional munitions management. The assessment provides a viable plan with established objectives and outcomes and is a tool used by combatant commands to request resources funded by the Department of Defense's Overseas Humanitarian, Disaster, and Civic Aid Appropriation to execute mine action projects. The Defense Security Cooperation Agency in consultation with the Office of the Under Secretary of Defense for Policy, Special Operations Low Intensity Conflict, Stability and Humanitarian Affairs, and the Department of State's Office of Weapons Removal and Abatement approve mine action and stockpiled conventional munitions assistance projects. Subjects cover demining, battle area clearance, explosive ordnance disposal, underwater unexploded ordnance disposal, and physical security and stockpile management of conventional stockpiled munitions. Training is conducted in accordance with U.S. law and policy, and international guidelines governing mine action, unexploded ordnance disposal, and physical security and stockpile management.

Humanitarian Demining Training Center personnel also provide a suite of tools and expertise to perform physical security and stockpile management, landmine clearance, explosive ordnance disposal, and underwater unexploded ordnance disposal in partnership with other public organizations or private industry. The beneficiaries of this capacity building are for-

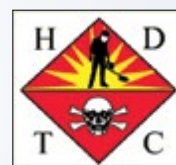


A Marine from the 1st Combat Engineer Battalion, Camp Pendleton, uses a probing tool to find components of dummy explosives buried in the ground during a training session conducted at the Humanitarian Demining Training Center.
Image courtesy of the Department of Defense.

eign junior military officers, non-commissioned officers, and civil servants tasked with conducting mine action. In order to sustain the capabilities of partner nation humanitarian mine action programs, the Center, in coordination with the Office of Weapons Removal and Abatement, also executes projects to enhance the skills of mine action managers and ministerial or executive level personnel through seminars and workshops on legal, policy, and programmatic topics at the operational and strategic levels.

The Humanitarian Demining Training Center continually improves its management systems and educational services to meet the changing needs of customers and U.S. humanitarian mine action programs. In FY2022, the center spent \$19.5 million to execute its vital global mission.

<https://home.army.mil/lee/index.php/units-tenants/humanitarian-demin-ing-training-center>



United States CONVENTIONAL WEAPONS DESTRUCTION FUNDING

From 1993 through 2022, the United States contributed more than \$4.6 billion for conventional weapons destruction programs in more than 120 countries or areas. The following charts provide a consolidated view of the United States' funding for conventional weapons destruction globally. Budget figures for fiscal year 2021 (October 1, 2020–September 30, 2021) and prior years reflect actual allocations, while budget figures for fiscal year 2022 (October 1, 2021–September 30, 2022) reflect, with a few exceptions, initial planned allocations. The 23rd edition of *To Walk the Earth in Safety* will include updated figures for fiscal year 2022 that reflect the final allocations.

LEGEND FOR CHARTS ON PAGES 67–75

●	U.S. supported activity in 2022
●	Received U.S. support in the past
●	Mine-impact free & U.S. supported activity in 2022
●	Mine-impact free with past U.S. support

DOS NADR-CWD	Department of State - Nonproliferation, Anti-terrorism, Demining and Related Programs
DOS OTHER	Department of State - Other funding
CDC	Centers for Disease Control and Prevention
DOD	Department of Defense
USAID	U.S. Agency for International Development

	COUNTRY	SOURCE	FY93-FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	*FY22	TOTAL
●	AFGHANISTAN	DOS NADR - CWD	318,019	22,700	32,066	20,500	20,000	21,321	20,785	20,000	15,000	490,391
		DOS OTHER	20,000	0	0	0	0	0	0	0	0	20,000
		CDC	1,800	0	0	0	0	0	0	0	0	1,800
		DOD	7,297	744	451	134	225	408	377	330	193	10,159
		USAID	51,447	0	0	0	0	0	0	0	0	51,447
		COUNTRY TOTAL	398,563	23,444	32,517	20,634	20,225	21,729	21,162	20,330	15,193	573,797
●	ALBANIA	DOS NADR - CWD	36,770	1,777	1,500	1,200	1,000	1,000	1,000	750	500	45,497
		DOD	217	147	100	33	80	2,059	1,807	663	3,380	8,486
		USAID	1,389	0	0	0	0	0	0	0	0	1,389
		COUNTRY TOTAL	38,376	1,924	1,600	1,233	1,080	3,059	2,807	1,413	3,880	55,372
●	ANGOLA	DOS NADR - CWD	92,204	5,600	4,700	4,000	7,000	4,100	7,000	4,000	8,500	137,104
		DOS OTHER	3,170	0	0	0	0	0	0	0	0	3,170
		CDC	150	0	0	0	0	0	0	0	0	150
		DOD	8,088	152	551	193	179	245	48	172	145	9,773
		USAID	8,351	0	0	0	0	0	0	0	0	8,351
		COUNTRY TOTAL	111,963	5,752	5,251	4,193	7,179	4,345	7,048	4,172	8,645	158,548
●	ARGENTINA	DOD	579	0	0	0	0	0	0	0	0	579
		COUNTRY TOTAL	579	0	0	0	0	0	0	0	0	579
●	ARMENIA	DOS NADR - CWD	3,992	300	0	0	0	0	0	0	0	4,292
		DOS OTHER	3,000	0	0	0	0	0	0	0	0	3,000
		DOD	3,191	40	10	226	237	64	0	0	0	3,768
		USAID	2,148	997	0	0	0	0	0	0	0	3,145
		COUNTRY TOTAL	12,331	1,337	10	226	237	64	0	0	0	14,205
●	AZERBAIJAN	DOS NADR - CWD	22,110	532	0	0	0	0	0	500	2,000	25,142
		DOS OTHER	1,100	0	0	0	0	0	0	0	0	1,100
		DOD	6,975	0	140	41	62	11	0	0	2,225	9,454
		COUNTRY TOTAL	30,185	532	140	41	62	11	0	500	4,225	35,696
●	BAHRAIN	DOD	10	0	0	0	0	0	0	0	0	10
		COUNTRY TOTAL	10	0	0	0	0	0	0	0	0	10

U.S. CONVENTIONAL WEAPONS DESTRUCTION PROGRAM FUNDING HISTORY

COUNTRY	SOURCE	FY93-FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	*FY22	TOTAL
BELIZE	DOS NADR - CWD	300	0	0	0	0	0	0	0	0	300
	COUNTRY TOTAL	300	0	0	0	0	0	0	0	0	300
BENIN	DOS NADR - CWD	0	0	0	0	0	0	562	500	0	1,062
	DOD	14	0	0	0	0	0	0	0	0	14
	COUNTRY TOTAL	14	0	0	0	0	0	562	500	0	1,076
BOSNIA & HERZEGOVINA	DOS NADR - CWD	72,157	3,974	4,500	2,750	2,445	5,629	3,000	4,400	4,650	103,505
	DOS OTHER	1,000	0	0	0	0	0	0	0	0	1,000
	CDC	3,210	0	0	0	0	0	0	0	0	3,210
	DOD	4,660	0	78	249	126	8	22	22	15	5,180
	USAID	20,500	0	0	0	0	0	0	0	0	20,500
	COUNTRY TOTAL	101,527	3,974	4,578	2,999	2,571	5,637	3,022	4,422	4,665	133,395
BULGARIA	DOS NADR - CWD	10,479	0	0	0	0	2,000	0	300	0	12,779
	DOD	31	0	0	8	12	0	0	0	0	51
	COUNTRY TOTAL	10,510	0	0	8	12	2,000	0	300	0	12,830
BURKINA FASO	DOS NADR - CWD	0	941	600	0	900	1,000	500	1,500	1,500	6,941
	COUNTRY TOTAL	0	941	600	0	900	1,000	500	1,500	1,500	6,941
BURMA (MYANMAR)	DOS NADR - CWD	835	2,000	0	0	0	0	0	0	0	2,835
	DOS-OTHER	850	0	0	0	0	0	0	0	0	850
	USAID	2,850	0	500	500	500	0	1,000	0	0	5,350
	COUNTRY TOTAL	4,535	2,000	500	500	500	0	1,000	0	0	9,035
BURUNDI	DOS NADR - CWD	1,935	0	0	0	0	0	0	0	0	1,935
	DOD	1,318	118	0	0	0	0	0	0	0	1,436
	COUNTRY TOTAL	3,253	118	0	0	0	0	0	0	0	3,371
CAMBODIA	DOS NADR - CWD	68,316	8,307	8,522	6,352	9,320	10,525	11,405	9,000	9,000	140,747
	DOS OTHER	4,943	0	0	0	0	0	0	0	0	4,943
	CDC	100	0	0	0	0	0	0	0	0	100
	DOD	17,998	2,379	1,717	1,969	1,601	2,473	1,012	1,361	515	31,025
	USAID	14,281	500	303	0	0	0	0	0	0	15,084
	COUNTRY TOTAL	105,638	11,186	10,542	8,321	10,921	12,998	12,417	10,361	9,515	191,899
CARIBBEAN REGION	DOS NADR - CWD	0	0	0	0	0	0	750	0	0	750
	DOS OTHER	0	0	0	0	0	0	1,100	0	0	1,100
	COUNTRY TOTAL	0	0	0	0	0	0	1,850	0	0	1,850
CENTRAL AFRICAN REPUBLIC	DOS NADR - CWD	224	0	0	0	785	0	0	0	0	1,009
	COUNTRY TOTAL	224	0	0	0	785	0	0	0	0	1,009
CHAD	DOS NADR - CWD	6,899	1,657	750	1,000	1,250	1,000	1,000	1,000	1,000	15,556
	DOD	5,000	0	50	54	86	0	0	0	0	5,190
	COUNTRY TOTAL	11,899	1,657	800	1,054	1,336	1,000	1,000	1,000	1,000	20,746
CHILE	DOD	3,447	3	0	0	0	0	0	0	0	3,450
	COUNTRY TOTAL	3,447	3	0	0	0	0	0	0	0	3,450
COLOMBIA	DOS NADR - CWD	23,060	7,039	8,500	21,000	21,000	21,000	21,000	21,000	21,000	164,599
	CDC	450	0	0	0	0	0	0	0	0	450
	DOD	1,679	0	742	3,338	3,285	3,492	23	37	1,087	13,683
	USAID	12,600	2,000	3,085	808	2,874	0	3,000	500	2,500	27,367
	COUNTRY TOTAL	37,789	9,039	12,327	25,146	27,159	24,492	24,023	21,537	24,587	206,099
CONGO, DR	DOS NADR - CWD	10,613	500	3,221	3,000	4,000	3,000	3,000	3,000	2,000	32,334
	DOD	976	107	0	0	0	0	0	0	0	1,083
	USAID	2,600	2,000	1,722	1,275	0	0	0	0	0	7,597
	COUNTRY TOTAL	14,189	2,607	4,943	4,275	4,000	3,000	3,000	3,000	2,000	41,014

*Initial planned allocations

**Current year activity funded via Global/Multi-Country funding

(Dollars in thousands)

COUNTRY	SOURCE	FY93-FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	*FY22	TOTAL
CONGO, REPUBLIC OF THE	DOS NADR - CWD	1,320	0	0	0	0	0	0	0	0	1,320
	DOD	1,328	191	0	0	0	0	0	0	0	1,519
	COUNTRY TOTAL	2,648	191	0	0	0	0	0	0	0	2,839
CROATIA	DOS NADR - CWD	35,838	850	2,040	0	1,000	1,000	0	1,200	0	41,928
	DOD	713	0	0	28	55	80	585	1,013	1,005	3,479
	COUNTRY TOTAL	36,551	850	2,040	28	1,055	1,080	585	2,213	1,005	45,407
CYPRUS	DOS NADR - CWD	10	250	0	0	0	0	0	0	0	260
	DOD	95	18	20	196	32	0	0	0	25	386
	COUNTRY TOTAL	105	268	20	196	32	0	0	0	25	646
CZECHIA	DOS NADR - CWD	600	0	0	0	0	0	0	0	0	600
	COUNTRY TOTAL	600	0	0	0	0	0	0	0	0	600
DJIBOUTI	DOS NADR - CWD	1,900	0	0	0	0	0	0	0	0	1,900
	DOD	1,172	0	0	0	0	0	0	0	0	1,172
	COUNTRY TOTAL	3,072	0	0	0	0	0	0	0	0	3,072
DOMINICAN REPUBLIC	USAID	500	0	0	0	0	0	0	0	0	500
	COUNTRY TOTAL	500	0	0	0	0	0	0	0	0	500
ECUADOR	DOS NADR - CWD	5,025	0	0	0	0	1,000	1,500	2,000	0	9,525
	DOD	3,791	0	0	0	0	0	0	1,207	91	5,089
	COUNTRY TOTAL	8,816	0	0	0	0	1,000	1,500	3,207	91	14,614
EGYPT	DOD	718	0	0	0	0	0	0	0	0	718
	COUNTRY TOTAL	718	0	0	0	0	0	0	0	0	718
EL SALVADOR ¹	DOS NADR - CWD	1,038	0	350	300	0	0	0	0	0	1,688
	CDC	2,840	0	0	0	0	0	0	0	0	2,840
	USAID	2,300	0	0	0	0	0	0	0	0	2,300
	COUNTRY TOTAL	6,178	0	350	300	0	0	0	0	0	6,828
EL SALVADOR, GUATEMALA, HONDURAS ¹	DOS NADR - CWD	0	0	0	0	0	1,000	1,500	3,000	2,000	7,500
	COUNTRY TOTAL	0	0	0	0	0	1,000	1,500	3,000	2,000	7,500
ERITREA	DOS NADR - CWD	11,623	0	0	0	0	0	0	0	0	11,623
	DOS OTHER	1,560	0	0	0	0	0	0	0	0	1,560
	CDC	450	0	0	0	0	0	0	0	0	450
	DOD	4,485	0	0	0	0	0	0	0	0	4,485
	COUNTRY TOTAL	18,118	0	0	0	0	0	0	0	0	18,118
ESTONIA	DOS NADR - CWD	2,499	0	0	0	0	0	0	0	0	2,499
	DOD	2,148	54	0	7	236	272	0	0	704	3,421
	COUNTRY TOTAL	4,647	54	0	7	236	272	0	0	704	5,290
ESWATINI	DOS NADR - CWD	439	0	0	0	0	0	0	0	0	439
	DOD	836	0	0	0	0	0	0	0	0	836
	COUNTRY TOTAL	1,275	0	0	0	0	0	0	0	0	1,275
ETHIOPIA	DOS NADR - CWD	3,545	0	0	0	0	0	0	0	0	3,545
	DOS OTHER	1,500	0	0	0	0	0	0	0	0	1,500
	CDC	2,846	0	0	0	0	0	0	0	0	2,846
	DOD	3,984	0	0	0	0	0	0	0	0	3,984
	USAID	3,882	0	0	0	0	0	0	0	0	3,882
	COUNTRY TOTAL	15,757	0	0	0	0	0	0	0	0	15,757
FIJI	DOS NADR - CWD	0	0	0	0	0	0	370	1,330	0	1,700
	COUNTRY TOTAL	0	0	0	0	0	0	370	1,330	0	1,700

*Initial planned allocations

**Current year activity funded via Global/Multi-Country funding

U.S. CONVENTIONAL WEAPONS DESTRUCTION PROGRAM FUNDING HISTORY

COUNTRY	SOURCE	FY93-FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	*FY22	TOTAL
GEORGIA	DOS NADR - CWD	28,105	500	0	500	0	0	2,300	0	1,000	32,405
	DOS OTHER	2,644	0	0	0	0	0	0	0	0	2,644
	DOD	1,281	209	20	55	55	1,165	1,811	1,980	3,875	10,451
	USAID	0	0	0	1,998	1,000	1,000	502	0	0	4,500
	COUNTRY TOTAL	32,030	709	20	2,553	1,055	2,165	4,613	1,980	4,875	50,000
GUATEMALA ¹	DOS NADR - CWD	250	0	350	300	0	0	0	0	0	900
	COUNTRY TOTAL	250	0	350	300	0	0	0	0	0	900
GUINEA	DOS NADR - CWD	103	0	500	500	0	0	0	0	0	1,103
	COUNTRY TOTAL	103	0	500	500	0	0	0	0	0	1,103
GUINEA-BISSAU	DOS NADR - CWD	6,037	0	800	500	700	0	500	300	0	8,837
	DOD	1,444	0	0	0	0	0	0	0	0	1,444
	COUNTRY TOTAL	7,481	0	800	500	700	0	500	300	0	10,281
HAITI	USAID	3,500	0	0	0	0	0	0	0	0	3,500
	COUNTRY TOTAL	3,500	0	0	0	0	0	0	0	0	3,500
HONDURAS ¹	DOS NADR - CWD	816	0	300	348	0	0	0	0	0	1,464
	COUNTRY TOTAL	816	0	300	348	0	0	0	0	0	1,464
HUNGARY	DOS NADR - CWD	350	0	0	0	0	0	0	0	0	350
	COUNTRY TOTAL	350	0	0	0	0	0	0	0	0	350
INDIA	USAID	300	0	0	0	0	0	0	0	0	300
	COUNTRY TOTAL	300	0	0	0	0	0	0	0	0	300
IRAQ	DOS NADR - CWD	176,331	37,835	30,945	106,350	55,000	40,190	43,500	38,150	40,000	568,301
	DOS OTHER	992	0	0	0	0	0	0	0	0	992
	CDC	450	0	0	0	0	0	0	0	0	450
	DOD	104,970	0	58	209	85	71	159	130	253	105,935
	COUNTRY TOTAL	282,743	37,835	31,003	106,559	55,085	40,261	43,659	38,280	40,253	675,678
JORDAN	DOS NADR - CWD	21,136	500	400	400	400	400	400	400	400	24,436
	DOS OTHER	300	0	0	0	0	0	0	0	0	300
	CDC	2,968	0	0	0	0	0	0	0	0	2,968
	DOD	2,418	0	0	0	0	0	0	0	0	2,418
	COUNTRY TOTAL	26,822	500	400	400	400	400	400	400	400	30,122
KAZAKHSTAN	DOS NADR - CWD	295	0	0	0	0	0	2,500	0	0	2,795
	DOD	0	0	0	0	0	0	588	0	91	679
	COUNTRY TOTAL	295	0	0	0	0	0	3,088	0	91	3,474
KENYA**	DOS NADR - CWD	1,482	0	0	0	0	0	0	0	0	1,482
	DOD	724	151	280	0	0	0	0	0	0	1,155
	USAID	400	0	0	0	0	0	0	0	0	400
	COUNTRY TOTAL	2,606	151	280	0	0	0	0	0	0	3,037
KOSOVO	DOS NADR - CWD	7,450	550	475	1,250	5,000	0	5,000	1,000	800	21,525
	DOD	4,465	120	204	71	86	276	249	497	720	6,688
	USAID	17,472	0	0	0	0	0	0	0	0	17,472
	COUNTRY TOTAL	29,387	670	679	1,321	5,086	276	5,249	1,497	1,520	45,685
KYRGYZ REPUBLIC	DOS NADR - CWD	800	400	285	750	750	300	500	2,000	2,000	7,785
	DOD	7	0	0	0	0	0	0	0	0	7
	COUNTRY TOTAL	807	400	285	750	750	300	500	2,000	2,000	7,792
LAOS	DOS NADR - CWD	66,984	26,880	20,500	30,000	30,000	30,000	37,500	40,000	45,000	326,864
	DOS OTHER	750	0	0	0	0	0	0	0	0	750
	DOD	6,900	0	111	10	0	24	8	0	4	7,057
	USAID	9,800	2,000	2,166	3,005	1,750	0	2,000	0	0	20,721
	COUNTRY TOTAL	84,434	28,880	22,777	33,015	31,750	30,024	39,508	40,000	45,004	355,392

*Initial planned allocations

**Current year activity funded via Global/Multi-Country funding

(Dollars in thousands)

COUNTRY	SOURCE	FY93-FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	*FY22	TOTAL
LEBANON	DOS NADR - CWD	34,175	3,324	4,500	4,000	5,000	5,000	5,000	8,000	6,000	74,999
	DOS OTHER	2,000	0	0	0	0	0	0	0	0	2,000
	DOD	9,150	44	39	39	22	30	44	324	85	9,777
	USAID	9,850	0	0	0	0	0	0	0	0	9,850
	COUNTRY TOTAL	55,175	3,368	4,539	4,039	5,022	5,030	5,044	8,324	6,085	96,626
LESOTHO	DOS NADR - CWD	15	0	0	0	0	0	0	0	0	15
	COUNTRY TOTAL	15	0	0	0	0	0	0	0	0	15
LIBERIA	DOS NADR - CWD	360	0	0	0	0	0	0	0	0	360
	CDC	150	0	0	0	0	0	0	0	0	150
	USAID	4,429	0	0	0	0	0	0	0	0	4,429
	COUNTRY TOTAL	4,939	0	0	0	0	0	0	0	0	4,939
LIBYA	DOS NADR - CWD	4,000	1,500	2,500	16,000	3,000	2,000	3,000	2,000	2,000	36,000
	DOS OTHER	19,575	0	0	0	0	0	0	0	0	19,575
	COUNTRY TOTAL	23,575	1,500	2,500	16,000	3,000	2,000	3,000	2,000	2,000	55,575
LITHUANIA	DOS NADR - CWD	500	0	0	0	0	0	0	0	0	500
	COUNTRY TOTAL	500	0	0	0	0	0	0	0	0	500
MALAWI	DOD	0	0	0	0	130	0	1,500	1,300	0	2,930
	COUNTRY TOTAL	0	0	0	0	130	0	1,500	1,300	0	2,930
MALI	DOS NADR - CWD	0	1,200	500	1,000	1,250	1,000	0	0	1,000	5,950
	DOD	0	0	170	182	110	0	0	0	0	462
	COUNTRY TOTAL	0	1,200	670	1,182	1,360	1,000	0	0	1,000	6,412
MARSHALL ISLANDS	DOS NADR - CWD	628	285	295	460	341	0	0	0	0	2,009
	COUNTRY TOTAL	628	285	295	460	341	0	0	0	0	2,009
MAURITANIA	DOS NADR - CWD	2,395	300	500	0	0	0	1,000	500	500	5,195
	DOD	4,410	0	0	0	0	0	0	0	0	4,410
	COUNTRY TOTAL	6,805	300	500	0	0	0	1,000	500	500	9,605
MEXICO	DOS NADR - CWD	0	0	0	275	0	500	0	0	0	775
	COUNTRY TOTAL	0	0	0	275	0	500	0	0	0	775
MOLDOVA	DOD	507	132	35	78	78	1,993	1,582	2,189	1,420	8,014
	COUNTRY TOTAL	507	132	35	78	78	1,993	1,582	2,189	1,420	8,014
MONTENEGRO ²	DOS NADR - CWD	7,449	0	1,750	0	0	1,400	0	1,700	0	12,299
	DOD	727	428	562	30	141	39	0	0	0	1,927
	COUNTRY TOTAL	8,176	428	2,312	30	141	1,439	0	1,700	0	14,226
MOROCCO	DOD	0	0	90	0	368	73	147	164	1,154	1,996
	COUNTRY TOTAL	0	0	90	0	368	73	147	164	1,154	1,996
MOZAMBIQUE	DOS NADR - CWD	34,082	700	0	0	0	0	0	1,000	0	35,782
	DOS OTHER	1,600	0	0	0	0	0	0	0	0	1,600
	CDC	2,100	0	0	0	0	0	0	0	0	2,100
	DOD	13,187	189	0	0	0	0	0	0	0	13,376
	USAID	4,533	0	0	0	0	0	0	0	0	4,533
	COUNTRY TOTAL	55,502	889	0	0	0	0	0	1,000	0	57,391
NAMIBIA	DOS NADR - CWD	3,351	0	0	0	0	0	0	0	0	3,351
	DOS OTHER	670	0	0	0	0	0	0	0	0	670
	DOD	5,148	110	80	0	42	114	0	0	0	5,494
	COUNTRY TOTAL	9,169	110	80	0	42	114	0	0	0	9,515
NEPAL**	DOD	165	36	36	0	0	0	0	0	0	237
	USAID	2,000	131	1,580	420	406	2,162	0	1,587	0	8,286
	COUNTRY TOTAL	2,165	167	1,616	420	406	2,162	0	1,587	0	8,523

*Initial planned allocations

**Current year activity funded via Global/Multi-Country funding

U.S. CONVENTIONAL WEAPONS DESTRUCTION PROGRAM FUNDING HISTORY

COUNTRY	SOURCE	FY93-FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	*FY22	TOTAL
NICARAGUA	DOS NADR - CWD	4,081	0	0	0	0	0	0	0	0	4,081
	DOD	200	0	0	0	0	0	0	0	0	200
	COUNTRY TOTAL	4,281	0	0	0	0	0	0	0	0	4,281
NIGER	DOS NADR - CWD	0	693	500	1,250	1,250	1,000	1,000	1,000	1,000	7,693
	DOD	0	0	0	3	325	0	0	0	0	328
	COUNTRY TOTAL	0	693	500	1,253	1,575	1,000	1,000	1,000	1,000	8,021
NIGERIA	DOS NADR - CWD	1,449	0	0	0	0	0	0	0	0	1,449
	DOD	0	0	315	321	55	0	0	0	0	691
	COUNTRY TOTAL	1,449	0	315	321	55	0	0	0	0	2,140
NORTH MACEDONIA	DOS NADR - CWD	1,998	0	0	0	0	0	0	0	0	1,998
	DOD	0	0	0	0	0	345	348	357	479	1,529
	COUNTRY TOTAL	1,998	0	0	0	0	345	348	357	479	3,527
OMAN	DOS NADR - CWD	1,785	0	0	0	0	0	0	0	0	1,785
	DOD	2,553	0	0	0	0	0	0	0	0	2,553
	COUNTRY TOTAL	4,338	0	0	0	0	0	0	0	0	4,338
PAKISTAN**	DOS NADR - CWD	832	0	0	0	0	0	0	0	0	832
	COUNTRY TOTAL	832	0	0	0	0	0	0	0	0	832
PALAU	DOS NADR - CWD	1,315	505	505	600	655	731	800	820	0	5,931
	DOD	0	0	0	0	0	106	110	73	115	404
	COUNTRY TOTAL	1,315	505	505	600	655	837	910	893	115	6,335
PAPUA NEW GUINEA	DOD	0	0	0	0	0	0	0	0	12	12
	COUNTRY TOTAL	0	0	0	0	0	0	0	0	12	12
PARAGUAY	DOS NADR - CWD	200	0	0	0	0	0	0	0	0	200
	COUNTRY TOTAL	200	0	0	0	0	0	0	0	0	200
PERU	DOS NADR - CWD	10,906	0	2,600	500	2,000	0	2,000	1,000	1,000	20,006
	DOD	11,944	0	0	0	0	17	168	1,515	21	13,665
	USAID	1,000	0	0	0	0	0	0	0	0	1,000
	COUNTRY TOTAL	23,850	0	2,600	500	2,000	17	2,168	2,515	1,021	34,671
PHILIPPINES	DOS NADR - CWD	920	0	0	0	0	0	0	0	0	920
	DOD	0	173	45	335	0	0	0	0	0	553
	USAID	1,550	0	0	0	0	0	0	0	0	1,550
	COUNTRY TOTAL	2,470	173	45	335	0	0	0	0	0	3,023
ROMANIA	DOS NADR - CWD	2,369	0	0	0	0	0	0	0	0	2,369
	DOD	150	0	0	0	0	0	0	0	0	150
	COUNTRY TOTAL	2,519	0	0	0	0	0	0	0	0	2,519
RWANDA**	DOS NADR - CWD	4,203	0	0	0	0	0	0	0	0	4,203
	DOS OTHER	700	0	0	0	0	0	0	0	0	700
	DOD	7,790	0	0	0	0	0	0	0	0	7,790
	USAID	0	0	0	0	0	1,500	0	1,000	505	3,005
	COUNTRY TOTAL	12,693	0	0	0	0	1,500	0	1,000	505	15,698
SAO TOME and PRINCIPE	DOS NADR - CWD	50	0	0	0	0	0	0	0	0	50
	COUNTRY TOTAL	50	0	0	0	0	0	0	0	0	50
SENEGAL	DOS NADR - CWD	2,505	400	400	450	0	0	1,000	500	0	5,255
	DOS OTHER	260	0	0	0	0	0	0	0	0	260
	DOD	619	1,147	100	10	90	12	129	988	56	3,151
	USAID	500	0	0	0	0	0	0	0	0	500
	COUNTRY TOTAL	3,884	1,547	500	460	90	12	1,129	1,488	56	9,166

*Initial planned allocations

**Current year activity funded via Global/Multi-Country funding

(Dollars in thousands)

COUNTRY	SOURCE	FY93-FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	*FY22	TOTAL
SERBIA ²	DOS NADR - CWD	16,685	195	2,100	1,250	1,000	1,000	1,000	1,000	1,000	25,230
	DOD	0	3	200	107	0	0	0	294	430	1,034
	COUNTRY TOTAL	16,685	198	2,300	1,357	1,000	1,000	1,000	1,294	1,430	26,264
SERBIA & MONTENEGRO ²	DOS NADR - CWD	5,646	0	0	0	0	0	0	0	0	5,646
	COUNTRY TOTAL	5,646	0	0	0	0	0	0	0	0	5,646
SIERRA LEONE	DOS NADR - CWD	147	0	0	0	0	0	0	0	0	147
	DOD	0	0	0	0	0	0	0	0	39	39
	USAID	1,593	0	0	0	0	0	0	0	0	1,593
	COUNTRY TOTAL	1,740	0	0	0	0	0	0	0	39	1,779
SLOVAKIA	DOS NADR - CWD	0	0	0	0	0	0	1,000	0	0	1,000
	COUNTRY TOTAL	0	0	0	0	0	0	1,000	0	0	1,000
SLOVENIA	DOD	270	0	0	0	0	0	0	0	0	270
	COUNTRY TOTAL	270	0	0	0	0	0	0	0	0	270
SOLOMON ISLANDS	DOS NADR - CWD	2,000	446	350	567	715	550	60	0	0	4,688
	DOD	789	306	569	200	234	92	0	0	63	2,253
	COUNTRY TOTAL	2,789	752	919	767	949	642	60	0	63	6,941
SOMALIA	DOS NADR - CWD	20,345	1,800	2,000	2,740	2,165	2,000	2,000	4,000	4,000	41,050
	COUNTRY TOTAL	20,345	1,800	2,000	2,740	2,165	2,000	2,000	4,000	4,000	41,050
SOUTH SUDAN ³	DOS NADR - CWD	8,535	2,000	300	300	1,000	2,000	2,000	2,000	2,000	20,135
	DOD	826	0	0	0	0	0	0	0	0	826
	COUNTRY TOTAL	9,361	2,000	300	300	1,000	2,000	2,000	2,000	2,000	20,961
SRI LANKA	DOS NADR - CWD	36,091	4,250	2,500	5,000	9,500	2,500	5,500	8,000	8,500	81,841
	DOS OTHER	122	0	0	0	0	0	0	0	0	122
	CDC	175	0	0	0	0	0	0	0	0	175
	DOD	2,124	507	601	697	310	84	179	308	25	4,835
	USAID	7,900	0	0	0	0	0	0	0	0	7,900
	COUNTRY TOTAL	46,412	4,757	3,101	5,697	9,810	2,584	5,679	8,308	8,525	94,873
SUDAN ³	DOS NADR - CWD	2,800	0	0	0	0	0	650	1,000	0	4,450
	COUNTRY TOTAL	2,800	0	0	0	0	0	650	1,000	0	4,450
SUDAN AND SOUTH SUDAN ³	DOS NADR - CWD	24,427	0	0	0	0	0	0	0	0	24,427
	COUNTRY TOTAL	24,427	0	0	0	0	0	0	0	0	24,427
SURINAME	DOS NADR - CWD	390	0	0	0	0	0	0	0	0	390
	COUNTRY TOTAL	390	0	0	0	0	0	0	0	0	390
SYRIA	DOS NADR - CWD	550	8,000	9,510	63,000	0	5,000	0	0	7,000	93,060
	DOD	0	0	0	0	0	5	5	0	0	10
	COUNTRY TOTAL	550	8,000	9,510	63,000	0	5,005	5	0	7,000	93,070
TAJIKISTAN	DOS NADR - CWD	10,783	2,275	1,975	2,450	1,500	2,500	1,500	3,300	2,500	28,783
	DOD	2,533	67	147	0	98	25	439	862	112	4,283
	USAID	1,500	0	534	440	406	0	0	0	0	2,880
	COUNTRY TOTAL	14,816	2,342	2,656	2,890	2,004	2,525	1,939	4,162	2,612	35,946
TANZANIA**	DOS NADR - CWD	16	0	0	0	0	0	0	0	0	16
	DOD	747	123	50	0	0	0	0	0	0	920
	USAID	1,700	0	0	0	0	0	0	0	0	1,700
	COUNTRY TOTAL	2,463	123	50	0	0	0	0	0	0	2,636
THAILAND	DOS NADR - CWD	4,190	0	0	0	0	0	0	0	0	4,190
	DOD	10,594	561	1,762	518	608	724	681	1,443	2,488	19,339
	COUNTRY TOTAL	14,784	561	1,762	518	608	724	681	1,443	2,448	23,529

*Initial planned allocations

**Current year activity funded via Global/Multi-Country funding

U.S. CONVENTIONAL WEAPONS DESTRUCTION PROGRAM FUNDING HISTORY

COUNTRY	SOURCE	FY93-FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	*FY22	TOTAL
TIMOR-LESTE	DOD	0	0	0	0	0	0	0	22	344	366
	COUNTRY TOTAL	0	0	0	0	0	0	0	22	344	366
TOGO**	DOS NADR - CWD	32	0	0	0	0	0	0	0	0	32
	COUNTRY TOTAL	32	0	0	0	0	0	0	0	0	32
TUNISIA	DOD	217	536	630	0	0	0	0	0	0	1,383
	COUNTRY TOTAL	217	536	630	0	0	0	0	0	0	1,383
UGANDA**	DOS NADR - CWD	56	0	0	0	0	0	0	0	0	56
	DOD	0	0	207	0	0	0	0	0	0	207
	USAID	1,000	0	0	0	0	0	0	0	0	1,000
	COUNTRY TOTAL	1,056	0	207	0	0	0	0	0	0	1,263
UKRAINE	DOS NADR - CWD	24,127	1,940	2,000	6,000	6,000	8,500	8,500	10,397	71,000	138,464
	DOS OTHER	0	0	0	0	0	0	1,115	2,684	19,500	23,339
	DOD	177	303	108	656	656	726	4,464	717	786	8,593
	USAID	0	1,031	920	1,048	958	0	0	0	0	3,957
	COUNTRY TOTAL	24,304	3,274	3,028	7,704	7,614	9,226	14,119	13,798	91,286	174,353
URUGUAY	DOS NADR - CWD	200	0	0	0	0	0	0	0	0	200
	COUNTRY TOTAL	200	0	0	0	0	0	0	0	0	200
UZBEKISTAN	DOD	99	0	0	0	0	0	0	0	0	99
	COUNTRY TOTAL	99	0	0	0	0	0	0	0	0	99
VIETNAM	DOS NADR - CWD	50,602	12,548	10,709	12,621	12,500	15,000	17,500	18,200	19,000	168,680
	CDC	1,848	0	0	0	0	0	0	0	0	1,848
	DOD	2,065	340	722	1,168	115	1,211	584	1,387	1,268	8,860
	USAID	26,799	0	0	0	0	0	0	0	0	26,799
	COUNTRY TOTAL	81,314	12,888	11,431	13,789	12,615	16,211	18,084	19,587	20,268	206,187
West Bank and Gaza Strip Areas	DOS NADR - CWD	3,088	1,000	1,000	1,000	0	0	0	1,000	1,000	8,088
	DOD	0	20	0	44	85	76	55	13	14	307
	COUNTRY TOTAL	3,088	1,020	1,000	1,044	85	76	55	1,013	1,014	8,395
YEMEN	DOS NADR - CWD	19,055	2,000	3,500	9,000	2,000	4,000	4,800	4,000	2,000	50,355
	DOD	4,846	0	0	0	0	0	0	0	0	4,846
	COUNTRY TOTAL	23,901	2,000	3,500	9,000	2,000	4,000	4,800	4,000	2,000	55,201
ZAMBIA**	DOS NADR - CWD	2,050	0	0	0	0	0	0	0	0	2,050
	DOD	437	0	0	0	0	0	0	0	0	437
	COUNTRY TOTAL	2,487	0	0	0	0	0	0	0	0	2,487
ZIMBABWE	DOS NADR - CWD	6,586	3,000	1,000	2,000	3,598	1,000	2,500	1,500	3,000	24,184
	DOD	3,265	173	78	153	337	243	88	185	253	4,775
	COUNTRY TOTAL	9,851	3,173	1,078	2,153	3,935	1,243	2,588	1,685	3,253	28,959
GLOBAL/ MULTI-COUNTRY	DOS NADR - CWD	179,653	5012	6500	9087	6875	5850	7065	6,500	21,753	232,543
	DOS OTHER	1,450	0	0	0	0	0	0	0	0	1,450
	CDC	18,653	0	0	0	0	0	0	0	0	18,653
	DOD	202,755	1313	861	0	0	3043	2621	1,117	0	211,710
	USAID	110,243	2841	159	574	2262	7757	6954.1	9,123	10,717	143,630
	GLOBAL TOTAL	512,754	9,166	7,520	9,661	9,137	16,650	16,640	16,740	32,470	607,986
GRAND TOTAL		2,509,382	200,223	203,968	366,434	243,903	238,215	269,594	270,261	376,477	4,678,457

*Initial planned allocations

**Activity funded via FY20 Global/Multi-Country funding

Footnotes for charts on pages 67-75:

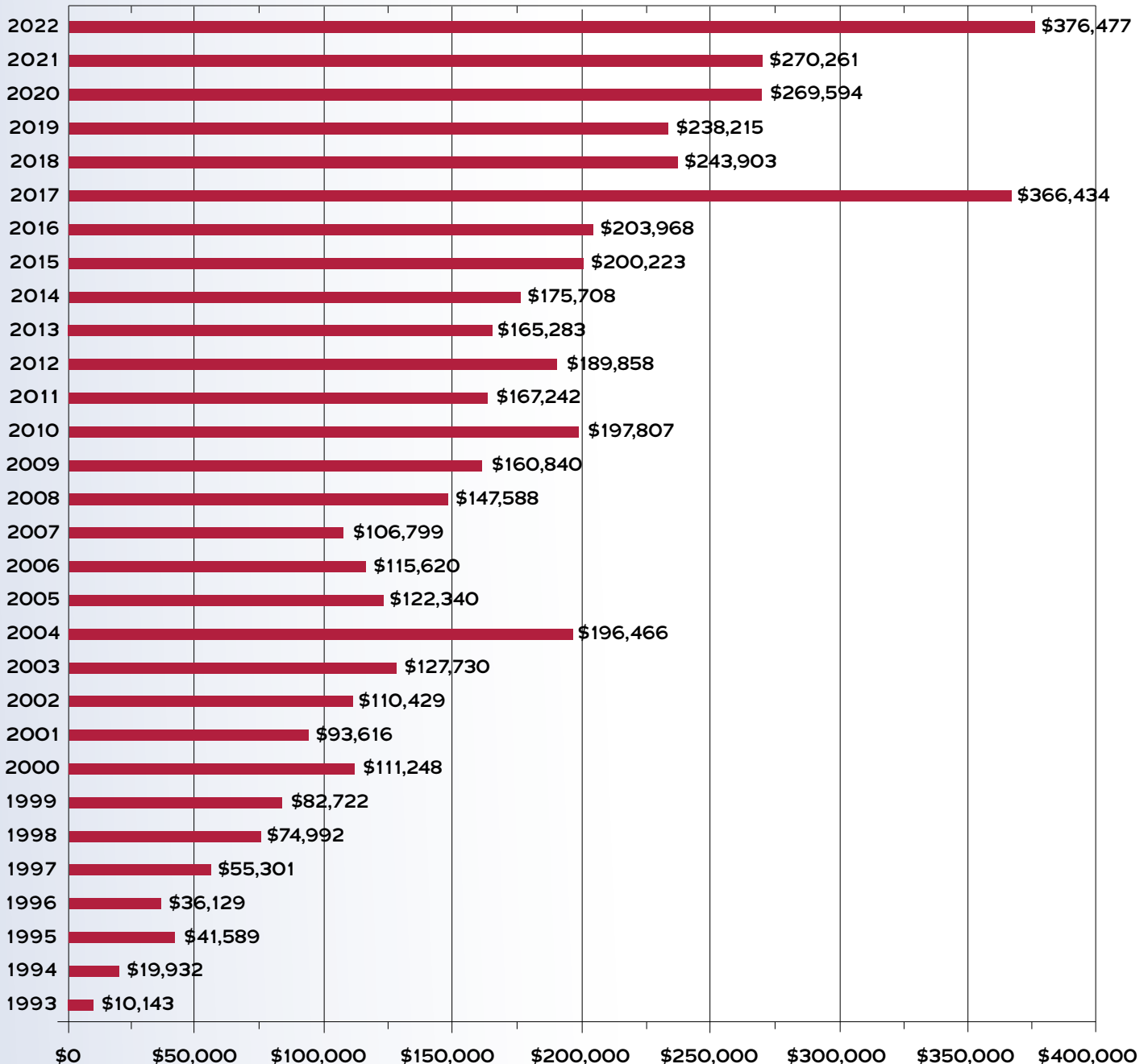
1. In FY19, El Salvador, Guatemala, and Honduras began receiving funding as a region.
2. Serbia and Montenegro split into two countries in 2007.
3. The "Sudan and South Sudan" budget line reflects the total funding for Sudan until 2011, when the country split into Sudan and South Sudan. The separate funding lines for "Sudan" and "South Sudan" reflect their respective separate funding totals since 2011.
4. DOS - Other includes a variety of DOS funding sources.
5. DoD funds include OHDACA, the Research Development Test and Evaluation fund, the Humanitarian Assistance - Excess Property Program and the Iraq Relief and Construction fund. All U.S. Central Command demining-centric activities for FY10 were conducted with Theater Security Cooperation funding, not funding from U.S. OHDACA.

U.S. CONVENTIONAL WEAPONS DESTRUCTION PROGRAM FUNDING HISTORY BY SOURCE

SOURCES	FY93-FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	*FY22	TOTAL
DOS NADR - CWD	1,582,836	177,779	180,532	341,500	221,589	206,190	235,550	235,997	319,603	3,435,576
DOS OTHER ⁴	68,186	0	0	0	0	0	2,255	2,684	19,500	92,625
CDC	38,190	0	0	0	0	0	0	0	0	38,190
DOD ⁵	491,253	10,944	11,939	11,938	10,158	19,606	18,333	19,370	23,652	617,193
USAID	328,917	11,500	11,497	12,996	12,156	12,419	13,456	12,210	13,722	428,873
GRAND TOTAL	2,509,382	200,223	203,968	366,434	243,903	238,215	269,594	270,261	376,477	4,678,457

(Dollars in thousands)

U.S. CONVENTIONAL WEAPONS DESTRUCTION PROGRAM FUNDING HISTORY TOTAL BY YEAR



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