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Invasive Species Interagency Crosscut Budget

The National Invasive Species Council (NISC) was established by Executive Order 13,112 in 1999 to coordinate and enhance the invasive species programs of federal agencies and to work closely with state and local governments and private organizations on this critical issue.

Part of this effort has been to identify funding by NISC member agencies on invasive species activities, as called for in the National Invasive Species Management Plan. At the encouragement of the Office of Management and Budget syntheses (or crosscuts) of such information were initially developed for the FY2004, FY2005, FY2006 and FY2007 budget cycles. The effort was re-launched in 2011, the results of which were widely distributed and particularly useful for inquiries from the General Accounting Office, the Congressional Research Service and other entities concerned with shifts in the federal budget. The 2012 exercise builds on these efforts to further identify trends in funding for invasive species activities.

For 2012, eight NISC member agencies (or their sub-agencies) provided budget data, including the U.S. Department of Agriculture (USDA), Department of Commerce (DOC), Department of Defense (DOD), Department of Homeland Security (DHS), Department of the Interior (DOI), Department of State (DOS), Department of Transportation (DOT) and the U.S. Agency for International Development (USAID). The Department of Health and Human Services (HHS), the Office of the U.S. Trade Representative as well as DOD (outside of the work by the U.S. Army Corps of Engineers – ACOE), noted ongoing work within their agencies, but could not delineate discrete budget figures. The National Aeronautics and Space Administration (NASA) did not identify any relevant activities for 2012, while the Department of the Treasury and the Environmental Protection Agency (EPA) did not provide budget data.

The invasive species interagency crosscut budget is intended to encourage: joint federal agency cooperation for activities that benefit from an interagency approach; streamlining of roles and responsibilities; and increased cost-effectiveness. The collection of this information is also critical for identifying broad trends in invasive species funding over time. Given the complex nature of the federal budget process as well as the particular budgetary cultures of the individual agencies, this exercise recognizes the difficulties of achieving a comprehensive interagency analysis and is therefore designed to present a conservative estimate of expenditures. Even with those caveats, ballpark estimates of federal budgets dedicated to invasive species issues are important to identify trends and set priorities.



NISC member agencies provide their reports using seven agreed upon general categories that are closely matched to strategic issues in the NISC management plan. These categories include:

- prevention,
- early detection and rapid response,
- control and management,
- restoration,
- research,
- education and public awareness, and
- leadership and international cooperation
(See Annex I for detailed definitions.)

The performance budget includes:

- actual expenditures for FY2011,
- planned expenditures for FY2012 based on a budget, appropriations and/or continuing resolutions agreed upon by Congress and the President, and
- figures from the President's proposed budget for FY2013.

† Revised figures submitted pursuant to November 1, 2012 version.

Funding for Invasive Species Activities (In Thousands)

FY2011 Actual									
Category	DHS	DOC(NOAA)	DOD(USACE)	DOI	DOS	DOT	USAID	USDA	Total
Prevention	646,631	436	22,055	7,581	0	896	2,651	155,794	836,044
Early Detection & Rapid Response	0	754	9,018	8,124	0	0	1,089	242,573	261,558
Control and Management	0	507	74,661	41,989	15,196	0	0	519,817	652,170
Research	0	5,324	5,115	9,749	4,067	0	782	229,483	254,520
Restoration	0	1,225	29,826	11,930	0	0	100	35,086	78,167
Education and Public Awareness	0	519	2,795	806	0	0	0	89,580	93,700
Leadership/ Int'l Cooperation	0	332	1,476	812	200	95	680	59,029	62,624
Total	646,631	9,097	144,946	80,991	19,463	991	5,302	1,331,362	\$2,238,783

FY2012 Enacted									
Category	DHS	DOC(NOAA)	DOD(USACE)	DOI	DOS	DOT	USAID	USDA	Total
Prevention	679,336	0	16,749	11,255	2,214	261	2,724	149,523	862,062
Early Detection & Rapid Response	0	18	7,855	8,618	2,831	0	1,677	253,302	274,301
Control and Management	2,100	763	87,101	40,189	10,380	0	0	479,426	619,959
Research	0	2,449	3,676	9,485	2,564	0	336	228,383	246,893
Restoration	0	3,126	15,364	14,442	0	0	0	37,900	70,832
Education and Public Awareness	0	98	2,880	965	317	0	0	89,223	93,483
Leadership/ Int'l Cooperation	0	278	1,261	733	66	118	711	50,066	53,233
Total	681,436	6,732	134,886	85,687	18,372	379	5,448	1,287,823	\$2,220,763

FY2013 President's Proposed Budget									
Category	DHS	DOC(NOAA)	DOD(USACE)	DOI	DOS	DOT	USAID	USDA	Total
Prevention	TBD	0	22,511	9,392	1,742	263	TBD	144,648	178,556
Early Detection & Rapid Response	TBD	18	8,397	10,367	2,731	0	TBD	239,615	261,128
Control and Management	TBD	0	66,786	38,259	10,144	0	TBD	467,420	582,609
Research	TBD	6,284	690	9,254	2,450	0	TBD	222,651	241,329
Restoration	TBD	0	26,829	19,152	0	0	TBD	37,366	83,347
Education and Public Awareness	TBD	98	2,611	802	331	0	TBD	88,786	92,628
Leadership/ Int'l Cooperation	TBD	172	1,356	658	68	100	TBD	49,585	51,939
Total	TBD	6,572	129,180	87,884	17,466	363	TBD	1,250,071	\$1,491,536

Reporting Sub-Agencies (where specified)

- Department of Homeland Security: Customs and Border Protection (CBP), U.S. Coast Guard (USCG)
- Department of Commerce: National Oceanographic and Atmospheric Administration (NOAA)
- Department of Defense: U.S. Army Corps of Engineers (ACOE)
- Department of Interior: Bureau of Indian Affairs (BIA), Bureau of Land Management (BLM), Bureau of Reclamation (BoR), National Park Service (NPS), Office of Insular Affairs (OIA), U.S. Fish and Wildlife Service (USFWS), U.S. Geological Survey (USGS)
- Department of Transportation: Federal Highway Administration (FHWA), Saint Lawrence Seaway Development Corporation (SLSDC)
- Department of Agriculture: Agricultural Research Service (ARS), Animal and Plant Health Inspection Service (APHIS), Economic Research Service (ERS), National Institute of Food and Agriculture (NIFA), Natural Resources Conservation Service (NRCS), U.S. Forest Service (USFS)

Explanatory Notes

Department of Homeland Security

- FY2011 Actual and FY2012 Enacted figures for prevention include inspection fees collected from USDA APHIS as well as additional funds budgeted by CBP. Inspection fees and expenses are determined by incoming volume of cargo and passengers, not on a fixed budget line. Therefore, there is no number for the FY2013 President's proposed budget.
- FY2011 Actual for prevention includes \$471,018,245 in inspection fees from APHIS, as well as \$4,196,000 for the USCG.
- FY2012 Enacted for prevention includes \$489,202,910 in inspection fees from APHIS, as well as \$3,994,000 for the USCG.

Department of Commerce (NOAA):

- FY2012 Enacted includes \$786,000 in Great Lakes Restoration Initiative (GLRI) and American Recovery and Reinvestment Act (ARRA) funds. Additional funds may be allocated as competitive grants are awarded and operational plans are finalized.
- FY2013 President's Proposed Budget includes \$554,000 in GLRI and ARRA funds. Additional funds may be allocated as competitive grants are awarded and operational plans are finalized.

Department of Health and Human Services

- HHS maintains work indirectly related to invasive species (e.g., control of mosquitoes, whether native or non-native, that are vectors for West Nile Virus), which is not reflected in discrete budget lines.

Department of Interior

- NPS has adjusted its basis for calculating control and management figures (including numbers from the 2011 exercise).

Office of the U.S. Trade Representative

- USTR staff have actively worked on invasive species policy issues through the course of 2011-12, but such efforts are not reflected in discrete budget lines.

U.S. Agency for International Development

- FY2013 President's Proposed Budget, funds for projects related to general categories are yet to be determined.

FY2012 President's Proposed Budget

- "TBD" – To Be Determined: in some cases budget figures cannot be calculated until funds are allocated for specific projects, programs or grant awards.

Data Gaps

Not reporting due to lack of discrete budget lines delineating invasive species efforts:

- Department of Defense (other than ACOE)
- Department of Health and Human Services
- National Atmospheric and Space Administration
- Office of the U.S. Trade Representative

Not reporting:

- Department of Treasury
- Environmental Protection Agency

Annex I: General Category Definitions for Invasive Species Inter-Agency Crosscut Budget ¹

Prevention: actions taken to prevent the entry, establishment, dispersal, and dissemination of invasive species.

Examples: pathway identification, pathway ranking and prioritization, pathway interdiction, coordination and planning, reviewing relevant legal authorities, quarantine establishment, law enforcement, screening and risk assessment activities, equipment inspection and cleaning, inspecting travelers and cargo, ballast water and hull fouling treatment efforts, site monitoring for new introductions, limiting the interstate movement of invasive species, constructing fences, electronic barriers, and other structures that prevent the introduction of species, development of new regulations, guidelines, and codes of conduct, training personnel, compensation payments, reporting.

Early Detection and Rapid Response: Early detection – actions taken to detect incipient invasions and assess the current and potential impact of invasions. Rapid response – a systematic effort to eradicate, contain, or control a potentially invasive non-native species introduced into an ecosystem while the infestation of that ecosystem is still localized, and to eradicate and/or contain invasive species populations while they are still localized.

Examples: reviewing relevant legal authorities, NEPA document preparation, coordinated planning, contracting, identification of high priority species and at-risk sites; monitoring high-risk areas for new invasions, containment efforts, surveillance, specimen identification, population verification, detection efforts, data analysis and storage, collecting and storing voucher specimens, travel and rapid deployment of resources, priority setting for response actions; monitoring treated areas and high-risk sites, safety procedures and worker protection, treating and removing populations, training volunteers; conducting training exercises, developing case studies, restricting access to certain areas, reporting.

Control and Management: actions taken to lessen and manage the impact of invasive species within their established ranges and limit their spread.

Examples: planning, inter-jurisdictional coordination, contracting, water level manipulation, NEPA document preparation, safety procedures and worker protection, directed grazing, hand-removal, mechanical harvesting, trapping, netting, culling, cultivation, pesticide application, controlled burning, mowing, planting cover crops or stabilization plant materials, release of selective biological control agents, using pheromone-baited traps, releasing sterile males, using resistant building materials, fencing and constructing other types of barriers, monitoring and mapping target populations, training workers engaged in control actions, restricting public access to areas during control procedures, reporting.

Restoration: actions taken to assist the recovery and reestablishment of plant and animal communities that have been overwhelmed by invasive species.

Examples: planning, coordination, seed collection and storage, growing additional restoration materials, contracting, site preparation, replanting, safety procedures and worker protection, care of newly planted materials, restocking, prioritization, NEPA document preparation, monitoring restored areas, restricting access to certain areas.

Research: actions taken to identify, evaluate, control, and understand invasive species and their interactions with the biotic and abiotic elements of the environment.

Examples: planning, coordination, prioritization, capacity building, facility and equipment maintenance, safety procedures, training, travel, recruiting, conducting field, laboratory and pilot-scale studies, reporting, data analysis, data collection and storage, collaboration, obtaining samples, monitoring, and mapping.

Education and Public Awareness: actions taken to maintain and increase public awareness of invasive species and related programs and to promote public activities that reduce the spread and impact of invasive species.

Examples: coordination, planning, survey instrument development, survey data collection, public education material graphic design, public education material writing, production costs, public awareness material distribution, broadcasting and printing costs, inventorying outreach materials, updating outreach materials, travel to speaking engagements, conducting public training,

Leadership and International Cooperation: actions taken to provide leadership, oversight and coordination to maintain and enhance the capabilities to prevent, control, manage, and understand invasive species and invasion pathways with relevant state, local and international partners, and provide for public input and participation.

Examples: coordination, planning, prioritization, reviewing relevant legal authorities and treaties, building invasive species capability in other countries, participation in international forums, staff salary, travel, training, reporting, data analysis, collaboration, facilitation of meetings, collaborations and partnerships, website development and maintenance, document preparation, bringing in foreign experts, maintaining overseas facilities, reporting, conference calls.

¹ Note: Definitions are those developed by NISC member agencies for the 2004-2007 Inter-Agency Performance Budgets.