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Invasive Species Interagency Crosscut Budget

The National Invasive Species Council (NISC) was established by Executive Order 13112 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 have been widely distributed and particularly useful for inquiries from the General Accountability Office, the Congressional Research Service, Congress and others interested in federal spending on invasive species.

For 2013, 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 – USACE), 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 2013, 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.

This exercise recognizes the complex nature of the federal budget process as well as the particular budgetary cultures of the individual agencies. The process for developing the crosscut budget thereby accommodates differences across agencies regarding how they program their invasive species activities (e.g., firm budget lines set at the start of the fiscal year vs. project or grant funding determined over the course of the year). Given the difficulties of achieving a comprehensive interagency analysis, the crosscut presents a conservative estimate of expenditures. Even with these caveats, ballpark estimates of federal expenditures 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 2013 interagency crosscut budget includes:

- actual expenditures for FY2012,
- planned expenditures for FY2013 based on the budget under sequestration, and
- figures from the President's proposed budget for FY2014.

Funding for Invasive Species Activities (In Thousands)

FY2012 Actual									
Category	DHS	DOC(NOAA)	DOD(USACE)	DOI	DOS	DOT	USAID	USDA	Total
Prevention	665,445	5	16,749	10,939	2,044	261	1,677	112,669	809,789
Early Detection & Rapid Response	0	252	7,855	7,539	2,831	0	0	262,456	280,933
Control and Management	0	89	87,101	39,440	10,380	0	336	555,801	693,147
Research	0	2,225	3,676	9,491	2,137	0	0	226,221	243,750
Restoration	0	3,126	15,364	14,502	0	0	0	34,052	67,044
Education and Public Awareness	0	128	2,880	734	33	0	0	81,478	85,253
Leadership/ Int'l Cooperation	0	267	1,261	694	16	20,115	711	1,885	24,949
Total	665,445	6,092	134,886	83,339	17,441	20,376	2,724	1,274,562	\$2,204,865

FY2013 Enacted									
Category	DHS	DOC(NOAA)	DOD(USACE)	DOI	DOS	DOT	USAID	USDA	Total
Prevention	645,880	10	22,511	9,270	1,452	263	1,677	96,845	777,908
Early Detection & Rapid Response	0	195	8,397	8,170	2,771	0	0	261,311	280,844
Control and Management	0	134	66,786	40,347	10,387	0	336	499,114	617,104
Research	0	2,318	4,648	5,973	2,606	0	0	210,653	226,198
Restoration	0	96	26,829	14,050	0	0	0	31,605	72,580
Education and Public Awareness	0	34	2,611	822	27	3,500	0	84,768	91,762
Leadership/ Int'l Cooperation	0	100	1,356	620	17	1,776	711	2,449	7,029
Total	645,880	2,887	133,138	79,252	17,260	5,539	2,724	1,186,745	\$2,073,425

FY2014 President's Proposed Budget									
Category	DHS	DOC(NOAA)	DOD(USACE)	DOI	DOS	DOT	USAID	USDA	Total
Prevention	TBD	TBD	8,448	8,255	1,261	263	TBD	99,941	118,168
Early Detection & Rapid Response	TBD	20	9,225	16,470	2,818	0	TBD	274,990	303,523
Control and Management	TBD	14	109,705	46,158	10,437	0	TBD	499,286	665,600
Research	TBD	214	690	9,842	2,268	0	TBD	229,278	242,292
Restoration	TBD	TBD	12,244	24,211	0	0	TBD	31,166	67,621
Education and Public Awareness	TBD	TBD	2,796	604	28	0	TBD	86,584	90,012
Leadership/ Int'l Cooperation	TBD	TBD	1,505	875	17	80	TBD	2,795	5,272
Total	TBD	248	144,613	106,415	16,829	343	TBD	1,224,040	\$1,492,488

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 (USACE)
- 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

FY2014 President's Proposed Budget

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

Department of Homeland Security

- FY2012 Actual and FY2013 Enacted figures for prevention include inspection fees collected from USDA APHIS as well as additional funds budgeted by CBP and USCG. Inspection fees are determined by incoming volume of cargo and passengers, not by a fixed budget line. Therefore, figures for the FY2014 President's proposed budget are TBD.

Department of Commerce (NOAA):

- Additional budget allocations for NOAA have been received through the Great Lakes Restoration Initiative (GLRI) and the American Recovery and Reinvestment Act (ARRA), including approximately \$2,826,000 for FY2012 Actual and \$293,000 for FY2013 Enacted. For FY2014 additional funds may be allocated as competitive grants are awarded and operational plans are finalized.

Department of Health and Human Services

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

Office of the U.S. Trade Representative

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

U.S. Agency for International Development

- FY2014 President's Proposed Budget funding for projects related to general categories is yet to be determined.

Data Gaps

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

- Department of Defense (other than USACE)
- 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

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

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.