

Appendix L
National Hydrography Requirements and Benefits Study
Key Federal Authorizations

Agency	MCA	Program Budget
Agricultural Research Service	Watershed Assessments	\$61.3 Million in FY15, across the Water Availability and Watershed Management program under which all of the ARS Mission Critical Activities fall
Agricultural Research Service	Grassland Soil and Water Research	Covered under the Water Availability and Watershed Management program budget provided for the ARS Watershed Assessments Mission Critical Activity
Agricultural Research Service	Agro-Ecosystems Research	Covered under the Water Availability and Watershed Management program budget provided for the ARS Watershed Assessments Mission Critical Activity
Animal and Plant Health Inspection Service	Climate Change	Total APHIS Policy and Program Development budget is \$4.9 Million which covers Climate Change and Environmental Documentation Mission Critical Activities
Animal and Plant Health Inspection Service	Environmental Monitoring and Compliance	Total APHIS Plant Pest and Quarantine budget is \$50,000,000
Animal and Plant Health Inspection Service	Plant Pest Survey Maps and Infestation Areas for Survey and Quarantine	Covered under APHIS Plant Pest and Quarantine budget
Animal and Plant Health Inspection Service	Risk Analysis	Covered under APHIS Plant Pest and Quarantine Budget
Animal and Plant Health Inspection Service	Environmental Documentation	Covered under APHIS Policy and Program Development budget
Bureau of Land Management	Resource Management Planning	\$60 million
Bureau of Ocean Energy Management	Ocean Energy Management	\$20,000,000
Bureau of Reclamation	Dam Safety	A total of \$81.1 million based upon the Budget Justification of the Bureau of Reclamation for FY 2016 (http://www.usbr.gov/budget/2016/FY16_Budget_Justifications.pdf)

Agency	MCA	Program Budget
Bureau of Reclamation	Habitat Assessments	A total of \$173.3 million based upon the Budget Justification of the Bureau of Reclamation for FY 2016. The total is a sum of the following projects: Central Valley Project Restoration Fund (\$49.5 million); California Bay-Delta Restoration Fund (\$37 million); San Joaquin River Restoration Fund (\$35 million); Columbia and Snake River Salmon Recovery (\$18 million); Trinity River Restoration (\$11.9 million); Upper Colorado and San Juan River Endangered Fish Recovery programs (\$4.4 million); and Platte River Endangered Species Recovery Implementation program (\$17.5 million).
Bureau of Reclamation	Water Supply	The total current annual budget of Reclamation is \$1098.7 million based upon the FY2016 Budget Justification of Reclamation. Of that budget, \$805 million is considered to be for Water and Related Resources.
Bureau of Reclamation	Hydro Power	Program budget included under Water Supply mission critical activity program budget
Environmental Protection Agency	Beaches	Unable to provide
Environmental Protection Agency	Enforcement	Unable to provide
Environmental Protection Agency	Permitting	Unable to provide
Environmental Protection Agency	Water Quality and Monitoring	Unable to provide
Environmental Protection Agency	Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)	Unable to provide
Farm Service Agency	Conservation Reserve Program	\$1.8 Billion
Federal Emergency Management Agency	Flood Risk Mapping, Assessment, and Planning (Risk MAP)	\$90,000,000
Federal Energy Regulatory Commission	Dam Safety	\$12,880,000
Federal Energy Regulatory Commission	Hydropower License and Compliance Reviews	\$5,350,000

Agency	MCA	Program Budget
International Joint Commission	Bi-National Cooperation	\$2 Million
National Oceanic and Atmospheric Administration	Water Resources Forecasting	\$100 Million
National Oceanic and Atmospheric Administration	Shoreline Mapping	\$3 Million
National Oceanic and Atmospheric Administration	Nautical Charting	\$40 Million
National Park Service	Inventory and Monitoring	\$25 Million
Natural Resources Conservation Service	Conservation Planning	Overall NRCS budget is \$4.2 Billion; all NRCS programs benefit from hydrography data
Natural Resources Conservation Service	Conservation Planning in Alaska	Covered under NRCS program budget reported for Conservation Mission Critical Activity
Natural Resources Conservation Service	Conservation Planning in the Pacific Islands	Covered under NRCS program budget reported for Conservation Mission Critical Activity
U.S. Nuclear Regulatory Commission	Regulate and License Commercial Nuclear Facilities	Not able to release
Office of Surface Mining Reclamation and Enforcement	Regulation and Reclamation of Surface Coal Mining Areas	\$500 Million
U.S. Army Corps of Engineers	Flood Risk Management	\$5 Million
U.S. Army Corps of Engineers	Hydraulic Modeling	Included in the USACE program budget for the Flood Risk Management Mission Critical Activity
U.S. Army Corps of Engineers	Permit Reviews and Jurisdiction Determinations	\$200 Million
U.S. Census Bureau	Census Reference Data Layer	\$55.613 Million
U.S. Fish and Wildlife Service	Aquatic Species and Habitat Conservation	Overall USFWS program budget is \$1.5 Billion; unable to split by Mission Critical Activity
U.S. Fish and Wildlife Service	Landscape Level Aquatic and Terrestrial Trust Resources	Overall USFWS program budget is \$1.5 Billion; unable to split by Mission Critical Activity
U.S. Fish and Wildlife Service	Refuges	\$472,202,000
U.S. Fish and Wildlife Service	Wetlands	Overall USFWS program budget is \$1.5 Billion; unable to split by Mission Critical Activity

Agency	MCA	Program Budget
U.S. Forest Service	Land Management	Estimated at \$7 Million
U.S. Forest Service	Aquatic Habitat Management	Estimated at \$5 Million
U.S. Geological Survey	Hydrologic Modeling and Water Budgets (National Scale)	\$40 Million
U.S. Geological Survey	Hydrologic Modeling and Water Budgets (Local Scale)	\$20 Million
U.S. Geological Survey	Habitat and Ecosystem Health / Watershed Studies (National Scale)	\$10 Million
U.S. Geological Survey	Habitat and Ecosystem Health / Watershed Studies (Local Scale)	\$1 Million
U.S. Geological Survey	Water Availability and Use	\$10 Million
U.S. Geological Survey	Groundwater Modeling and Studies (National Scale)	\$30 Million
U.S. Geological Survey	Groundwater Modeling and Studies (Local Scale)	\$20 Million
U.S. Geological Survey	Streamflow Networks and Flood / Coastal Modeling and Studies (National Scale)	\$20 Million
U.S. Geological Survey	Streamflow Networks and Flood / Coastal Modeling and Studies (Local Scale)	\$10 Million
Western Area Power Administration	Marketing, Scheduling, and Transmitting Hydro Power	\$1.14 Billion
Western Area Power Administration	Environmental Compliance	\$5 million to \$10 million but varies from year to year