

Supporting Information S4: Development of *IMPLAN Inputs*

We use the results of our national survey to estimate the total amount of economic activity generated *directly* by firms and organizations engaged in restoration. We combine three key questions to develop the direct inputs; 1) the total annual sales reported by each respondent; 2) the reported share of sales from restoration-related project; and 3) the respondent's primary industry. Respondents were asked to list their sales figures either as a directly inputted figure or as a range. We assumed a linear distribution within each range and used the midpoint of the reported range as the imputed value for each record. For the top range, we used the lowest threshold value. Respondents reported the percentage from restoration directly. Each respondent was asked to select their North American Industry Classification System (NAICS) code on a hierarchical basis, starting at the 2-digit super-sector level, followed by the 3-digit sector level and finally a 4 digit industry level. Since some respondents were not able to specify their detailed NAICS code we based our calculations on the lowest reported level.

The final step in developing the inputs for IMPLAN 3.1 – IMpacts for PLANing, an industry-standard economic impact modeling software package – was to assign IMPLAN specific codes to each NAICS code. We used the NAICS-IMPLAN bridge provided by IMPLAN (Minnesota Implan Group (MIG), Inc; <http://www.implan.com>) to re-assign sales based on IMPLAN's own proprietary sectoring scheme. All sales values were inputted in 2014 dollars.

Table A4- Direct Sales by NAICS code and Assigned IMPLAN Sector

NAICS4 Reported From Survey	Weighted Sales (\$)	Assigned IMPLAN Sector
5413-Architectural, Engineering, and Related Services	3,364,796,513	369-Architectural, engineering, and related services
1151-Support Activities for Crop Production	2,154,733,439	19-Support activities for agriculture and forestry
unknown	1,145,619,588	<i>reallocated to observed dist.</i>
2379-Other Heavy and Civil Engineering Construction	935,219,620	36-Construction of other new nonresidential structures
9241-Administration of Environmental Quality Programs	706,028,369	375-Environmental and other technical consulting services
5416-Management, Scientific, and Consulting services	226,045,511	375-Environmental and other technical consulting services
2373-Highway, Street, and Bridge Construction	205,436,031	36-Construction of other new nonresidential structures
Don't Know (please specify)	163,887,116	<i>reallocated to observed dist.</i>
4884-Support Activities for Road Transportation	142,745,902	338-Scenic and support activities for transportation
1141-Fishing	121,697,370	17-Fishing
5419-Other Professional, Scientific, and Technical Services	112,019,534	380-All other miscellaneous professional and technical services
2389-Other Specialty Trade Contractors	98,088,989	36-Construction of other new nonresidential structures
1153-Support Activities for Forestry	20,705,805	19-Support activities for agriculture and forestry
5417-Scientific Research and Development Services	12,142,831	376-Scientific research and development services
5242-Agencies, Brokerages, and Other Related Activities	11,702,128	358-Insurance agencies, brokerages, and related activities
2383-Building Finishing Contractors	11,679,210	36-Construction of other new nonresidential structures
5182-Data Processing, Hosting, and Related Services	9,083,830	352-Data processing, hosting, and related services
6113-Colleges, Universities, and Professional Schools	8,878,339	392-Junior colleges, colleges, universities, and prof. schools
5629-Remediation and Other Waste Management Services	6,488,450	390-Waste management and remediation services
3344-Semiconductor and Other Electronic Component Mfg.	5,190,760	247-Other electronic component manufacturing
1119-Other Crop Farming	3,957,955	10-All other crop farming
5411-Legal Services	2,925,532	367-Legal services
1114-Greenhouse, Nursery, and Floriculture Production	2,755,428	6-Greenhouse, nursery, and floriculture production
2362-Nonresidential Building Construction	2,595,380	36-Construction of other new nonresidential structures
8113-Commercial and Industrial Machinery	2,530,496	417-Commercial and industrial machinery
4442-Lawn and Garden Equipment and Supplies Stores	1,310,667	323-Retail - Building material and garden supply
5616-Investigation and Security Services	1,297,690	387-Investigation and security services
5313-Activities Related to Real Estate	877,660	360-Real estate
1131-Timber Tract Operations	389,307	15-Forest nurseries, forest products, and timber tracts
2361-Residential Building Construction	43,256	38-Construction of other new residential structures
5322-Consumer Goods Rental	12,977	363-General and consumer goods rental