

TABLE DOCUMENTATION
Personal Income by Major Source
and Earnings by Industry 1969-2007

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1. DATASET IDENTIFICATION

1.1 Title of Catalog document

Personal Income by Major Source and Earnings by Industry, 1969-2000 and 2001-2007

1.2 Authors of the Catalog entry

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Sarah A. O'Connor

1.3 Catalog revision date

June 01, 2010

1.4 Dataset names

REIS data aggregated by county: reis05_cnty6900

REIS data aggregated by state: reis05_st6900

REIS data aggregated by BEA region: reis05_reg6900 (by request)

REIS data aggregated by 50 miles distance from coastline: reis05_50miles6900

REIS data aggregated by caf regions: reis05_caf_regions6900 (by request)

REIS data aggregated by caf watersheds: reis05_caf_watersheds6900

REIS data aggregated by fema coastal flood hazard area: reis05_fema_cfha6900 (by request)

REIS data aggregated by fema special flood hazard area: reis05_fema_sfha6900

REIS data aggregated by hurricane prone areas: reis05_hurricane6900

REIS data aggregated by nep study areas: reis05_nep_stdyareas6900

REIS data aggregated by nep watersheds: reis05_nep_watersheds6900

REIS data aggregated by nerrs targets: reis05_nerrs_targets6900

REIS data aggregated by nerrs watersheds: reis05_nerrs_watersheds6900

REIS data aggregated by coastl zone boundaries: reis05_cz6900

REIS data aggregated by NOAA's National Marine Sanctuaries counties: reis05_cz6900

REIS data aggregated by usgs 2-digit regions: reis05_usgs_regions6900 (by request)

REIS data aggregated by usgs 4-digit subregions: reis05_usgs_subregions6900 (by request)

REIS data aggregated by usgs 6-digit accounting units: reis05_usgs_accunits6900 (by request)

REIS data aggregated by usgs 8-digit hucs: reis05_usgs_hucs6900

REIS data aggregated by county: reis05_cnty0107
REIS data aggregated by state: reis05_st0107
REIS data aggregated by BEA region: reis05_reg0107 (by request)
REIS data aggregated by 50 miles distance from coastline: reis05_50miles0107
REIS data aggregated by caf regions: reis05_caf_regions0107 (by request)
REIS data aggregated by caf watersheds: reis05_caf_watersheds0107
REIS data aggregated by fema coastal flood hazard area: reis05_fema_cfha0107 (by request)
REIS data aggregated by fema special flood hazard area: reis05_fema_sfha0107
REIS data aggregated by hurricane prone areas: reis05_hurricane0107
REIS data aggregated by nep study areas: reis05_nep_stdyareas0107
REIS data aggregated by nep watersheds: reis05_nep_watersheds0107
REIS data aggregated by nerrs targets: reis05_nerrs_targets0107
REIS data aggregated by nerrs watersheds: reis05_nerrs_watersheds0107
REIS data aggregated by coastl zone boundaries: reis05_cz0107
REIS data aggregated by NOAA's National Marine Sanctuaries counties: reis05_cz0107
REIS data aggregated by usgs 2-digit regions: reis05_usgs_regions0107 (by request)
REIS data aggregated by usgs 4-digit subregions: reis05_usgs_subregions0107 (by request)
REIS data aggregated by usgs 6-digit accounting units: reis05_usgs_accunits0107 (by request)
REIS data aggregated by usgs 8-digit hucs: reis05_usgs_hucs0107

1.5 Task Group

NOS/Special Projects – STICS Project

1.6 Dataset identification code

001

1.7 Version

001

1.8 Request for Acknowledgment

NOAA requests that all individuals who download Socioeconomic data acknowledge the source of these data in any reports, papers, or presentation. If you publish these data, please include a statement similar to: "Some or all of the data described in this article were produced by the U.S. National Oceanic and Atmospheric Administration through the National Ocean Service (NOS)' Special Projects (SP) Office".

2. INVESTIGATOR INFORMATION (for full addresses see Section 13)

2.1 Principal Investigators

Percy A. Pacheco, Project Leader, National Oceanic and Atmospheric Administration (NOAA), Special Projects (SP) Office

Brent Ache, National Oceanic and Atmospheric Administration (NOAA), Special Projects (SP) Office.

2.2 Sample Collection Investigators

N/A

2.3 Sample Processing Investigators

N/A

3. DATASET ABSTRACT

3.1 Abstract of the Dataset

The Personal Income By Major Source and Earnings by Industry data (1969-2000 and 2001-2007) have been derived from County Level data from the Bureau of Economic Analysis. Personal income is the sum of wage and salary disbursements, rental income with capital consumption adjustment, personal dividend income, personal interest income, and transfer payments, less personal contribution for social insurance. All data files are referenced to several jurisdictions in STICS.

3.2 Keywords for the Dataset

socioeconomic, economic, population, personal income, earnings, industry, coastal economics

4. OBJECTIVES AND INTRODUCTION

4.1 Program Objective

Special Projects (SP) is one of seven Divisions within the Office of Management and Budget of the National Ocean Service (NOS). This mission of Special Projects is to promote the NOS coastal stewardship mission by providing NOS and its partners with integrated approaches to planning and management, a national assessment capability complementary to other NOS programs, and an innovative program of information synthesis and dissemination.

4.2 Dataset Objective

Many of the goals of those involved in environmental management and policy include finding the balance in the coexistence of natural ecosystems and human society, therefore a complete picture of the geographic patterns of human activity and its relationship to the coastal environment is needed. Regional Economic Information System (REIS) data (1969-2000 and 2001-2007 Time Series Personal Income by Major Source and Earnings by Industry) derived from County Level data from the Bureau of Economic Analysis (BEA) are provided in a format that facilitates comparisons across time and space.

4.3 Background Discussion

1969-2007 County Level Personal Income and Earnings by Industry data were provided by:

Regional Economic Information System (REIS) CD-ROM
 RCN-0316
 Bureau of Economic Analysis (BEA)
 U.S. Department of Commerce
 Washington, DC 20230
 Telephone: 202-606-5360
 Email: reis.remd@bea.doc.gov
 Web Site: <http://www.bea.doc.gov/>

4.4 Summary of Dataset Parameters

The U.S. Bureau of Economic Analysis provides data for a range of geographic types from the United States down to a County. A detailed description of BEA U.S. Economic Accounts terminology can be obtained from the U.S. Bureau of Economic Analysis web site (<http://www.bea.doc.gov/index.htm>).

The common variables that are available for the 1969-2000^{1/} data aggregated by selected based management places, floodplains, and watersheds are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
REIS_0010	Personal Income	Personal income (thousands of dollars)	X 1,000 dollars

REIS_0020	Population	Population (number of persons) 2/	Number
REIS_0030	Per capita personal Income	Per capita personal income (dollars)	Dollars/person
REIS_0035	Derivation of personal Income	Earnings by place of work	X 1,000 dollars
REIS_0036	Derivation of personal Income	less: Personal cont. for social insurance 3/	X 1,000 dollars
REIS_0037	Derivation of personal income, Personal cont. for social insurance	Employee & self-employed contributions	X 1,000 dollars
REIS_0038	Derivation of personal income, Personal cont. for social insurance	Employer contributions	X 1,000 dollars
REIS_0042	Derivation of personal Income	plus: Adjustment for residence 4/	X 1,000 dollars
REIS_0045	Derivation of personal Income	equals: Net earnings by place of residence	X 1,000 dollars
REIS_0046	Derivation of personal Income	plus: Dividends, interest, and rent 5/	X 1,000 dollars
REIS_0047	Derivation of personal Income	plus: Transfer payments	X 1,000 dollars
REIS_0050	Components of earnings	Wage and salary disbursements	X 1,000 dollars
REIS_0060	Components of earnings	Supplements to wages and salaries	X 1,000 dollars
REIS_0061	Components of earnings, Supplements to wages and salaries	Employer contrib. for employee pension & ins. Funds	X 1,000 dollars
REIS_0062	Components of earnings, Supplements to wages and salaries	Employer contrib. for for gov. social insurance	X 1,000 dollars
REIS_0070	Components of earnings	Proprietors' income 6/	X 1,000 dollars
REIS_0071	Components of earnings, Proprietors' income	Farm proprietors' income	X 1,000 dollars
REIS_0072	Components of earnings, Proprietors' income	Nonfarm proprietors' income	X 1,000 dollars
REIS_0081	Earnings by industry	Farm earnings	X 1,000 dollars
REIS_0082	Earnings by industry	Nonfarm earnings	X 1,000 dollars
REIS_0090	Earnings by industry, Nonfarm earnings	Private earnings	X 1,000 dollars
REIS_0100	Earnings by industry, Nonfarm earnings, Private earnings	Ag. serv., forestry, fishing, and other 7/	X 1,000 dollars
REIS_0200	Earnings by industry, Nonfarm earnings, Private earnings	Mining	X 1,000 dollars
REIS_0300	Earnings by industry, Nonfarm earnings, Private earnings	Construction	X 1,000 dollars
REIS_0400	Earnings by industry, Nonfarm earnings, Private earnings	Manufacturing	X 1,000 dollars
REIS_0500	Earnings by industry, Nonfarm earnings, Private earnings	Transportation and public utilities	X 1,000 dollars
REIS_0610	Earnings by Industry, Nonfarm earnings, Private earnings	Wholesale trade	X 1,000 dollars
REIS_0620	Earnings by industry, Nonfarm earnings, Private earnings	Retail trade	X 1,000 dollars
REIS_0700	Earnings by industry, Nonfarm earnings, Private earnings	Finance, insurance, and real estate	X 1,000 dollars

REIS_0800	Earnings by industry, Nonfarm earnings, Private earnings	Services	X 1,000 dollars
REIS_0900	Earnings by industry, Nonfarm earnings	Government and government enterprises	X 1,000 dollars
REIS_0910	Earnings by industry, Nonfarm earnings, Government and government enterprises	Federal, civilian	X 1,000 dollars
REIS_0920	Earnings by industry, Nonfarm earnings, Government and government enterprises	Military	X 1,000 dollars
REIS_0930	Earnings by industry, Nonfarm earnings, Government and government enterprises	State and local	X 1,000 dollars

Footnotes:

1/ The estimates of earnings for 1969-74 are based on the 1967 Standard Industrial classification (SIC). The estimates for 1975-87 are based on the 1972 SIC. The estimates for 1988-2000 are based on the 1987 SIC.

2/ Census Bureau midyear population estimates. Estimates for 2000 reflect county population estimates available as of April 2008

3/ Contributions for government social insurance are included in earnings by type and industry but they are excluded from personal income.

4/ The adjustment for residence is the net inflow of the earnings of interarea commuters. For the United States, it consists of adjustments for border workers: Wage and salary disbursements to U.S.

5/ Rental income of persons includes the capital consumption adjustment.

6/ Proprietors' income includes the inventory valuation adjustment and capital consumption adjustment.

7/ Other consists of wage and salary disbursements to U.S. residents employed by international organizations and foreign embassies and consulates in the United States.

The common variables that are available for the 2001-2007^{1/} data aggregated by selected based management places, floodplains, and watersheds are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
REIS_0010	Personal Income	Personal income (thousands of dollars)	X 1,000 dollars
REIS_0020	Population	Population (number of persons) 2/	Number
REIS_0030	Per capita personal Income	Per capita personal income (dollars)	Dollars/person
REIS_0035	Derivation of personal Income	Earnings by place of work	X 1,000 dollars
REIS_0036	Derivation of personal Income	less: Personal cont. for social insurance 3/	X 1,000 dollars
REIS_0037	Derivation of personal income, Personal cont. for social insurance	Employee & self-employed contributions	X 1,000 dollars
REIS_0038	Derivation of personal income, Personal cont. for social insurance	Employer contributions	X 1,000 dollars
REIS_0042	Derivation of personal Income	plus: Adjustment for residence 4/	X 1,000 dollars
REIS_0045	Derivation of personal Income	equals: Net earnings by place of residence	X 1,000 dollars
REIS_0046	Derivation of personal Income	plus: Dividends, interest, and rent 5/	X 1,000 dollars
REIS_0047	Derivation of personal Income	plus: Transfer payments	X 1,000 dollars

REIS_0050	Components of earnings	Wage and salary disbursements	X 1,000 dollars
REIS_0060	Components of earnings	Supplements to wages and salaries	X 1,000 dollars
REIS_0061	Components of earnings, Supplements to wages and salaries	Employer contrib. for employee pension & ins. Funds	X 1,000 dollars
REIS_0062	Components of earnings, Supplements to wages and salaries	Employer contrib. for for gov. social insurance	X 1,000 dollars
REIS_0070	Components of earnings	Proprietors' income 6/	X 1,000 dollars
REIS_0071	Components of earnings, Proprietors' income	Farm proprietors' income	X 1,000 dollars
REIS_0072	Components of earnings, Proprietors' income	Nonfarm proprietors' income	X 1,000 dollars
REIS_0081	Earnings by industry	Farm earnings	X 1,000 dollars
REIS_0082	Earnings by industry	Nonfarm earnings	X 1,000 dollars
REIS_0090	Earnings by industry, Nonfarm earnings	Private earnings	X 1,000 dollars
REIS_0100	Earnings by industry, Nonfarm earnings, Private earnings	Ag. serv., forestry, fishing, and other 7/	X 1,000 dollars
REIS_0200	Earnings by industry, Nonfarm earnings, Private earnings	Mining	X 1,000 dollars
REIS_0300	Earnings by industry, Nonfarm earnings, Private earnings	Utilities	X 1,000 dollars
REIS_0400	Earnings by industry, Nonfarm earnings, Private earnings	Construction	X 1,000 dollars
REIS_0500	Earnings by industry, Nonfarm earnings, Private earnings	Manufacturing	X 1,000 dollars
REIS_0600	Earnings by Industry, Nonfarm earnings, Private earnings	Wholesale trade	X 1,000 dollars
REIS_0700	Earnings by industry, Nonfarm earnings, Private earnings	Retail trade	X 1,000 dollars
REIS_0800	Earnings by industry, Nonfarm earnings, Private earnings	Transportation and warehousing utilities	X 1,000 dollars
REIS_0900	Earnings by industry, Nonfarm earnings, Private earnings	Information	X 1,000 dollars
REIS_1000	Earnings by industry, Nonfarm earnings, Private earnings	Finance and insurance	X 1,000 dollars
REIS_1100	Earnings by industry, Nonfarm earnings, Private earnings	Real estate and rental and leasing	X 1,000 dollars
REIS_1200	Earnings by industry, Nonfarm earnings, Private earnings	Professional and technical services	X 1,000 dollars
REIS_1300	Earnings by industry, Nonfarm earnings, Private earnings	Management of companies and enterprises	X 1,000 dollars
REIS_1400	Earnings by industry, Nonfarm earnings, Private earnings	Administrative and waste services	X 1,000 dollars
REIS_1500	Earnings by industry, Nonfarm earnings, Private earnings	Educational services	X 1,000 dollars
REIS_1600	Earnings by industry, Nonfarm earnings, Private earnings	Health care and social assistance	X 1,000 dollars

REIS_1700	Earnings by industry, Nonfarm earnings, Private earnings	Arts, entertainment, and recreation	X 1,000 dollars
REIS_1800	Earnings by industry, Nonfarm earnings, Private earnings	Accommodation and food services	X 1,000 dollars
REIS_1900	Earnings by industry, Nonfarm earnings, Private earnings	Other services, except public administration	X 1,000 dollars
REIS_2000	Earnings by industry, Nonfarm earnings, Private earnings	Government and government enterprises	X 1,000 dollars
REIS_2001	Earnings by industry, Nonfarm earnings, Government and government enterprises	Federal, civilian	X 1,000 dollars
REIS_2002	Earnings by industry, Nonfarm earnings, Government and government enterprises	Military	X 1,000 dollars
REIS_2010	Earnings by industry, Nonfarm earnings, Government and government enterprises	State and local	X 1,000 dollars

Footnotes:

1/ The estimates of earnings for 1969-74 are based on the 1967 Standard Industrial classification (SIC). The estimates for 1975-87 are based on the 1972 SIC. The estimates for 1988-2000 are based on the 1987 SIC.

2/ Census Bureau midyear population estimates. Estimates for 2000 reflect county population estimates available as of April 2008

3/ Contributions for government social insurance are included in earnings by type and industry but they are excluded from personal income.

4/ The adjustment for residence is the net inflow of the earnings of interarea commuters. For the United States, it consists of adjustments for border workers: Wage and salary disbursements to U.S.

5/ Rental income of persons includes the capital consumption adjustment.

6/ Proprietors' income includes the inventory valuation adjustment and capital consumption adjustment.

7/ Other consists of wage and salary disbursements to U.S. residents employed by international organizations and foreign embassies and consulates in the United States.

The variables that occur only within the data aggregated by county tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
FIPS	FIPS Code	Federal Information Processing Standard (FIPS) Code (2-digit state & 3-digit county)	
CTYSTATE	County Name and State Abbreviation	County Name and State Abbreviation	
CTYCOAST	Coastal or Non-coastal County	Coastal or Non-Coastal County	
SQMI2000	Census 2000 FIPS Land Area	The FIPS County Land Area (Source: Census 2000)	Sqmi
ST_ABBR	State Abbreviation Code	The 2 digits USPS State Abbreviation Code	
DIVISIONCD	Division Code	Census Division Code	
REGIONCD	Region Code	Census Region Code	

The variables that occur only within the data aggregated by state tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
ST_FIPS	State FIPS code	The two-digit Federal Information Processing Standard (FIPS) code for each state in the U.S.	
ST_ABBR	State Abbreviation Code	The 2 digits USPS State Abbreviation code	
ST_NAME	State Name	State Name	
LANDSQMI	State Land Area	The FIPS State Land Area (Source CAF)	Sqmi
REGIONCD	Region Code	Census Region Code	
DIVISIONCD	Division Code	Census Division Code	

The variables that occur only within the data aggregated by BEA region tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
REG_CD	BEA Region Code	Bureau of Economic Analysis (BEA) Region Code	
REG_NAME	BEA Region Name	Bureau of Economic Analysis (BEA) Region Name	
LANDSQMI	State Land Area	State Name	
YEAR	Year	Year	

The variables that occur only within the data aggregated by NOAA's Coastal Watershed (estuarine and coastal drainage areas) tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
SPATLINK	Link Code to Geography	Link Code to Geography (EDASUBEDA + DR_CODE)	
EDASUBEDA	5-digit Watershed Code	A code assigned to each derived spatial area (e.g. EDA or CDA). Concatenated from the ECACDA attribute and SUBEDA attribute.	
DR_CODE	EDA/FDA Code	Drainage code indicating unique is in an Estuarine Drainage Area (EDA), Fluvial Drainage Area (FDA) or interior	
SUB_NAME	Watershed Name	For EDAs with component sub-major watershed drainages (subEDAs) defined (e.g. the Chesapeake Bay), a subEDA specific name.	
EDACODE	4-digit Major Watershed Code	A code assigned to each major watershed area (e.g., an Estuarine Drainage Area, Coastal Drainage Area, Fluvial Drainage Area, Interior Drainage Area, etc.)	
EDA_NAME	Major Watershed Name	A geographic name associated with each major watershed area. Names of EDAs come from NOAA's National Estuarine Inventory; names of CDAs are a combination of edacda code plus USGS cataloging unit name. Unique Names have corresponding EDACDA Codes.	

LANDSQMI	EDASUBEDA Land Area	EDASUBEDA Land Area (sqmi)	sqmi
WATRSQMI	EDASUBEDA Water Area	EDASUBEDA Water Area (sqmi)	sqmi
REGION	Region Code	NOAA Coastal Assessment Region (N=North Atlantic, M=Mid-Atlantic, S=South Atlantic, G=Gulf of Mexico, P=Pacific, L=Great Lakes, U=Interior, X=International)	

The variables that occur only within the data aggregated by NOAA's Coastal Assessment Framework Regions tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
REGION	Coastal Assessment Framework Region Code	NOAA Coastal Assessment Framework (CAF) Region	
LANDSQMI	Region Land Area	Region Land Area (sqmi)	sqmi

The variables that occur only within the data aggregated by USGS's 2-digit Regions tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
REGIONUSGS	USGS Region Code	USGS 2-digit Region Code	
LANDSQMI	Region Land Area	Region Land Area (sqmi)	sqmi

The variables that occur only within the data aggregated by USGS's 4-digit Sub-Regions tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
SUBREGION	USGS Subregion Code	USGS 4-digit Subregion Code	
LANDSQMI	Subregion Land Area	Subregion Land Area (sqmi)	sqmi

The variables that occur only within the data aggregated by USGS's 6-digit Accounting Units tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
ACC_UNIT	USGS Accounting Unit Code	USGS 6-digit Accounting Unit Code	
LANDSQMI	Accounting Land Area	Accounting Land Area (sqmi)	sqmi

The variables that occur only within the data aggregated by USGS's 8-digit Hydrologic cataloging Units tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
HUC	8-Digit USGS Cataloging Unit Code	8-Digit USGS Cataloging Unit (numeric field)	

HHUC	8-Digit USGS Cataloging Unit Code	8-Digit USGS Cataloging Unit (character field)	
HUC_NAME	8-Digit USGS Cataloging Unit Code	8-Digit USGS Cataloging Unit Name	
REGIONUSGS	USGS Region Code	Water Resource Region Code (2 first digits of HUC)	
REG_NAME	USGS Region Name	Water Resource Region Name	
SUBREGION	USGS Sub-region Code	Sub-region Code (four first digits of HUC)	
ACC_UNIT	USGS Accounting Unit Code	Accounting Unit Code (six first digits of HUC)	
USGSSQMI	USGS Cataloging Unit Area	USGS Cataloging Unit Area in Square Miles	Sqmi

The variables that occur only within the data aggregated by State-Hurricane Prone Areas (areas vulnerable to hurricane-force winds) tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
ST_ABBR	State Abbreviation Code	The 2 digits USPS State Abbreviation Code	
LANDSQMI	Area of 50 mile buffer	Area within a 50 mile fixed-distance from the coastline in the State	sqmi

The variables that occur only within the data aggregated by the area within a 50 mile fixed-distance from the coastline tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
ST_ABBR	State Abbreviation Code	The 2 digits USPS State Abbreviation Code	
LANDSQMI	Area of 50 mile buffer	Area within a 50 mile fixed-distance from the coastline in the State	sqmi

The variables that occur only within the data aggregated by the area within a coastal zone boundary are shown below.

Field Name	Field Name	Field Name	Field Name
ST_ABBR	ST_ABBR	ST_ABBR	ST_ABBR
LANDSQMI	LANDSQMI	LANDSQMI	LANDSQMI

The variables that occur only within the data aggregated by NOAA's National Marine Sanctuaries counties are shown below.

FIPS	FIPS Code	Federal Information Processing Standard (FIPS) Code (2-digit state & 3-digit county)	
COUNTY	County Name, State Abbreviation, and Sanctuary Name	County Name, State Abbreviation, and Sanctuary Name	
CTYCOAST	Coastal or Non-coastal County	Coastal or Non-Coastal County	
LANDSQMI	Census 2000 FIPS Land Area	The FIPS County Land Area (Source: Census 2000)	Sqmi
ST_ABBR	State Abbreviation Code	The 2 digits USPS State Abbreviation Code	
DIVISIONCD	Division Code	Census Division Code	

REGIONCD	Region Code	Census Region Code	
SANCTUARY	Sanctuary Code	Sanctuary Code	
SANC_NAME	Sanctuary Name	Sanctuary Name	

The variables that occur only within the data aggregated by NERRS Large Estuary Watershed tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
WSHDCODE	Large Estuary Watershed Code	4-digit Large Estuary Watershed Code	
WSHDNAME	NERRS Large Estuary Watershed Name	National Estuary Research Reserve System (NERRS) Large Estuary Watershed Name	
LANDSQMI	Land Area	Land Area of the NERRS Large Estuary Watershed	sqmi

The variables that occur only within the data aggregated by NERRS Target Watershed tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
WSHDCODE	Target Watershed Code	4-digit Target Watershed Code	
WSHDNAME	NERRS Target Watershed Name	National Estuary Research Reserve System (NERRS) Target Watershed Name	
LANDSQMI	Land Area	Land Area of the NERRS Target Watershed	sqmi

The variables that occur only within the data aggregated by NEP Watersheds tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
NEP_ID	Watershed ID	6-digit Watershed ID.	
NEP_NAME	Watershed	National Estuary Program (NEP) Watershed Name	
LANDSQMI	Land Area	NEP Watershed Land Area (sqmi)	sqmi

The variables that occur only within the data aggregated by NEP Study Areas tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
NEP_ID	Study Area ID	6-digit Watershed ID.	
NEP_NAME	NEP Study Area Name	National Estuary Program (NEP) Watershed Name	
LANDSQMI	Land Area	NEP Watershed Land Area (sqmi)	sqmi

The variables that occur only within the data aggregated by County in FEMA's 100-Yr Coastal Flood Hazard Area (CFHA) tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
FIPS_FEMA	FIPS Code	Federal Information Processing Standard (FIPS) Code (2-digit state and 3-digit county)	
CTYSTATE	County Name and State Abbreviation	County Name and State Abbreviation	
LANDSQMI	Area (sqmi) of FEMA's CFHA in the county	Area (sqmi) of FEMA's 100-yr Coastal Flood Hazard Area (CFHA) in the county	sqmi

The variables that occur only within the data aggregated by County in FEMA's 100-Yr Special Flood Hazard Area (SFHA) (coastal+riverine) tables are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
FIPS_FEMA	FIPS Code	Federal Information Processing Standard (FIPS) Code (2-digit state and 3-digit county)	
CTYSTATE	County Name and State Abbreviation	County Name and State Abbreviation	
LANDSQMI	Area (sqmi) of FEMA's CFHA in the county	Area (sqmi) of FEMA's 100-yr Coastal Flood Hazard Area (SFHA) in the county	sqmi

5. DATA ACQUISITION AND PROCESSING METHODS

5.1 Data Acquisition / Field Sampling

N/A

5.1.1 Sampling Objective

N/A

5.1.2 Sample Collection: Methods Summary

N/A

5.1.3 Beginning Sampling Date

N/A

5.1.4 Ending Sampling Dates

N/A

5.1.5 Sampling Platform

N/A

5.1.6 Sampling Equipment

N/A

5.1.7 Manufacturer of Sampling Equipment

N/A

5.1.8 Key Variables

N/A

5.1.9 Sample Collection: Methods Calibration

N/A

5.1.10 Sample Collection: Quality Control

N/A

5.1.11 Sample Collection: References

N/A

5.1.12 Sample Collection: Alternate Methods

N/A

5.2 Data Preparation and Sample Processing

N/A

5.2.1 Sample Processing Objective

N/A

5.2.3 Sample Processing: Methods Calibration

N/A

5.2.4 Sample Processing: Quality Control

N/A

5.2.5 Sample Processing: References

N/A

5.2.6 Sample Processing: Alternate Methods

N/A

6. DATA ANALYSIS AND MANIPULATIONS

6.1 Name of New or Modified Values

N/A

6.2 Data Manipulation: Description

The annual county level 1969-2000 and 2001-2007 REIS data were exported from the REIS CD-ROM as an ASCII csv (comma separated value) file and then imported into the Statistical Analysis System (SAS) software for further processing and analysis. With the exception of average estimates, the income estimates are shown in thousands of dollars. The population estimates prepared by the Census Bureau are in number of persons.

a) The county level data record contained the following disclosure codes:

(N) = Estimates not available

(L) = Estimates less than \$50,000

(D) = Estimates not shown to avoid disclosure of confidential information

The code (N) was treated as missing data. The code (L) was converted to \$25,000 dollars. For cases of code (D), which occurs in Earnings by Place of Work/Nonfarm/Private the algorithm below was used. Using as an example "Ag.Services, Forestry, and Other" and "Mining" sub-categories in the major category "Private Earnings" having the cases of (D), estimates were computed by using the following algorithm.

$$A = \text{round} \{ (pe - soi) * [a_st / (a_st + m_st)] \}$$
$$M = \text{round} \{ (pe - soi) * [m_st / (a_st + m_st)] \}$$

Where:

A = Ag. Services, Forestry, and Other earnings estimate (x \$1,000)

M = Mining earnings estimate (x \$1,000)

pe = Private Earnings data (x \$1,000)

soi = Sum of all sub-categories (other than codes D) earnings estimate (x \$1,000)

a_st = Ag. Services, Forestry, and Other earnings estimate in the State (x \$1,000)

m_st = Mining earnings estimate in the State (x \$1,000)

Ex. data: County=Calhoun; State=Alabama; Year=1986: Earnings by Industry (x \$1,000)

Earnings by Place of Work/Nonfarm	Calhoun County	Alabama State
Private Earnings	619,001	28,058,294
Ag.Services, Forestry and Other	(D)	173,920
Mining	(D)	553,574
Construction	36,316	2,131,611
Manufacturing	224,097	9,123,344
Transportation and Public Utilities	49,398	2,506,569
Wholesale Trade	44,382	1,977,199
Retail Trade	113,533	3,655,829
Finance, Insurance, and Real Estate	24,034	1,641,038
Services	121,980	6,295,210

Applying the algorithm above:

$$A = \text{round} \{ (619,001 - 613,740) * [173,920 / (173,920 + 553,574)] \}$$

$$A = 1,258$$

$$M = \text{round} \{ (619,001 - 613,740) * [553,574 / (173,920 + 553,574)] \}$$

$$M = 4,003$$

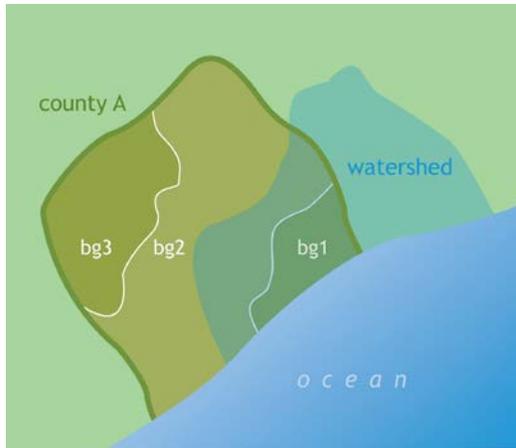
Same algorithm was used for the state level if a case of code (D) was found prior estimating county level data. In this case for the algorithm above, state values were used instead of the county values and US values instead of state values.

b) The REIS county level file contains data for FIPS with special definitions. FIPS in this project refers to the 2-digit state FIPS code plus the 3-digit county FIPS code. A complete description of the FIPS with special definitions is available in the [REIS detailed description](#) file.

c) Data from County FIPS were disaggregated to several place based management boundaries (ex. NERRS, NEP), Floodplains (ex. FEMA Coastal Flood Hazard Area), NOAA and CAF watersheds, and other boundaries using a **block group area proration-county disaggregation methodology** as follows:

The county data were distributed accordingly to the population of block groups in the county. Then, the block group areas were intersected with the geography of interest (ex. watershed) using the ESRI ArcGIS software. Any block group that was partially included in the geography of interest was areally prorated.

An example follows:



BEA Personal Income in County A: \$ 1,000
 Population 2000 in County A: 600 persons

Block Group population in County A:

bg1: 200 persons
 bg2: 300 persons
 bg3: 100 persons

Block Group areas in Watershed:

bg1: 100% in watershed
 bg2: 40% in watershed
 bg3: 0% in watershed

BEA Personal Income in Watershed is calculated as follows:

$$\begin{aligned} \text{Beapi_bg1} &= (200/600) * 1000 * (100/100) = 333.33 \\ \text{Beapi_bg2} &= (300/600) * 1000 * (40/100) = 200.00 \\ \text{Beapi_bg3} &= (100/600) * 1000 * (0/100) = 0.00 \end{aligned}$$

BEA Personal Income in Watershed = round (333.33 + 200.00 + 0.00) = \$ 533

7. DATA DESCRIPTION

7.1 Description of Parameters

Please refer to section 4.4.

7.1.1 Components of the Dataset

Please refer to section 4.4.

7.1.2 Precision of Reported Values

Please refer to section 4.4.

7.1.3 Minimum Value in Dataset

The data varies per socio demographic variable

7.1.4 Maximum Value in Dataset

The data varies per socio demographic variable

7.2 Data Record Example

N/A

7.2.1 Column Names for Example Records
Please refer to section 4.4.

7.2.2 Examples of Data Records
Please refer to section 4.4

8. GEOGRAPHIC AND SPATIAL INFORMATION

8.1 Minimum Longitude (Westernmost)
-178.22

8.2 Maximum Longitude (Easternmost)
-66.97

8.3 Minimum Latitude (Southernmost)
18.93

8.4 Maximum Latitude (Northernmost)
71.41

8.5 Name of Region
United States

9. QUALITY CONTROL AND QUALITY ASSURANCE

9.1 Measurement Quality Objectives
These data are reported in a separate file.

9.2 Data Quality Assurance Procedures
Data estimated for geographies of interest (ex. watershed) from the BEA data were compared against data estimated for the same geographies of interest when using Census 2000 estimates. The differences found were in the range of 2% difference.

9.3 Actual Measurement Quality
All of the data reported in these data files met the QA specifications.

10. DATA ACCESS

10.1 Data Access Procedures
Data can be downloaded from the web at
<http://stics.noaa.gov/socioeconomics/download/download2.html>

10.2 Data Access Restrictions
None

10.3 Data Access Contact Persons
Percy A. Pacheco, NOAA/NOS/MB/SP
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10.4 Dataset Format
ASCII (tab delimited) and SAS Export files

10.5 Information Concerning Anonymous FTP
Not available

10.6 Information Concerning WWW
See Section 10.1 for WWW access

10.7 CD-ROM Containing the Dataset
Spatial Patterns of Socioeconomic Data from 1970 to 2000. A national research dataset aggregated by watershed and political boundaries.

11. REFERENCES

N/A

12. TABLE OF ACRONYMS

BEA	Bureau of Economic Analysis
CDA	Coastal Drainage Area
CSV	Comma Separated Value
EDA	Estuarine Drainage Area
FEMA	Flood Emergency Management Agency
FIPS	Federal Information Processing Standard
FDA	Fluvial Drainage Area
HUC	Hydrologic Unit Code
MB	Management and Budget
NEP	National Estuary Program
NERRS	National Estuary Research Reserve System
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Service
REIS	Regional Economic Information System
SAS	Statistical Analysis System (software)
SP	Special Projects
QA/QC	Quality Assurance/Quality Control
USGS	United States Geological Survey
USPS	United States Postal Service
WWW	World Wide Web

13. PERSONNEL INFORMATION

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