



An Introduction to Occupational Projections

Presented to

The Wyoming Workforce Development Council

Rawlins, WY

09/25/2009

Presented by

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Wyoming Department of Employment

Research & Planning

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9/27/2013

1

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Wyoming Quarterly UI/WC Summary Report and Employee Wage Listings

WYOMING STATE
DO NOT STAPLE
PRINT IN ALL CAPS

Unemployment Insurance
Call: (800) 777-6763

Use WIRE to file on the Internet
<http://dhs.wy.gov/uewires>

WYOMING QUARTERLY UIWUC SUMMARY REPORT

Business Name: **ABC SAMPLE CO INC**
 Quarter End Date: **03/31/2008**
 Due Date: **04/30/2008**

Workers' Compensation
Call: (307) 777-6763

STATE OFFICE USE ONLY

0565203
NWL

POSTMARK DATE

UNEMPLOYMENT INSURANCE (UI)		Quarter/Year	1 2008
Total UI Wages For The Quarter (Including Tip)		59238 75	
Excess Wages (2008 EXCESS WAGE RATE \$20.100.00)		5080 00	
Taxable Wages (Line 1 minus Line 2)		54158 75	
Tax Due (Multiply Line 3 by .0265) (EXCLUDES: 00000 FOR EMPLOYMENT SUPPORT #3000)		1435 21	
Interest Due .2% (.002) Per Month From Due Date Shown Above		0	
Amount Due From Prior Report Periods		0	
Outstanding Unemployment Insurance Credit		0	
Total Unemployment Insurance Due (4+5+6+7)		1435 21	

WORKERS' COMPENSATION (WC)

Number of Workers by Month
For each month, report the number of general workers who worked actively on reported pay for the month period on the 15th of the month. Enter zero if there were no workers.

JAN 4 FEB 4 MAR 3

Employer Number: **007654321**

WORKERS' COMPENSATION (WC)

NA: NAICS/Class Code
000010 1
236115C 1
236115 4

WYOMING EMPLOYEE WAGE LISTINGS

Business name: **ABC SAMPLE CO INC**
 Address: **111 SAMPLE RD
SAMPLE TOWN, USA 11111**

DO NOT STAPLE Quarter/Year 1 2008

UI Account Number 012345678
WC Employer Number 007654321

See Back For Instructions
PRINT IN ALL CAPS

A1. Social Security Number	A2. Employee Name Last, First	A3. Tips	A4. Total Wages (Excl. Tips)	A5. NAICS/Class Code	A6. Type B/L/U/A	A7. New Hire Date	A8. Total Hours This Date
123 45 6789	JONES SAM		1899 00	236115	B	01 20 2008	236
223 45 6789	SMITH TOM	30 35	3543 45	236115	B		294
323 45 6789	BROWN DON		7362 45	236115	B		659
423 45 6789	SIMPSON ABLE	49 50	774 00	236115	B	02 13 2008	86
523 45 6789	SAMPLE TERRI		5000 00	000010	B		200
EMPLOYEE SUBTOTALS:			18978 90			19058 75	

CORPORATE OFFICER INFORMATION ONLY

A1. Social Security Number
623 45 6789 SAMPLE JOE
723 45 6789 SAMPLE SALLY

A2. Officer Name Last, First

A3. WC Avg. Wages
9360 00

A4. Total Wages (With Tips)
25180 00
15000 00

A5. NAICS/Class Code
236115C

A6. Type B/L/U/A
B
U

A7. New Hire Date

A8. Total Hours This Date
647
200

CORPORATE OFFICER SUBTOTALS:

A3: 9360 00 A4: 40180 00 A5: GRAND TOTALS 59238 75

Date: **4/30/08**

Business Phone #: **307-123-4567**

Signature: **Joe Sample**

Title: **President**

INCLUDE WAGE LISTING FORM and Return This Form To: EMPLOYER SERVICES P.O. BOX 3659 CASPER WY 82402-3659



Wyoming Quarterly UI/WC Summary Report and Employee Wage Listings - Collection

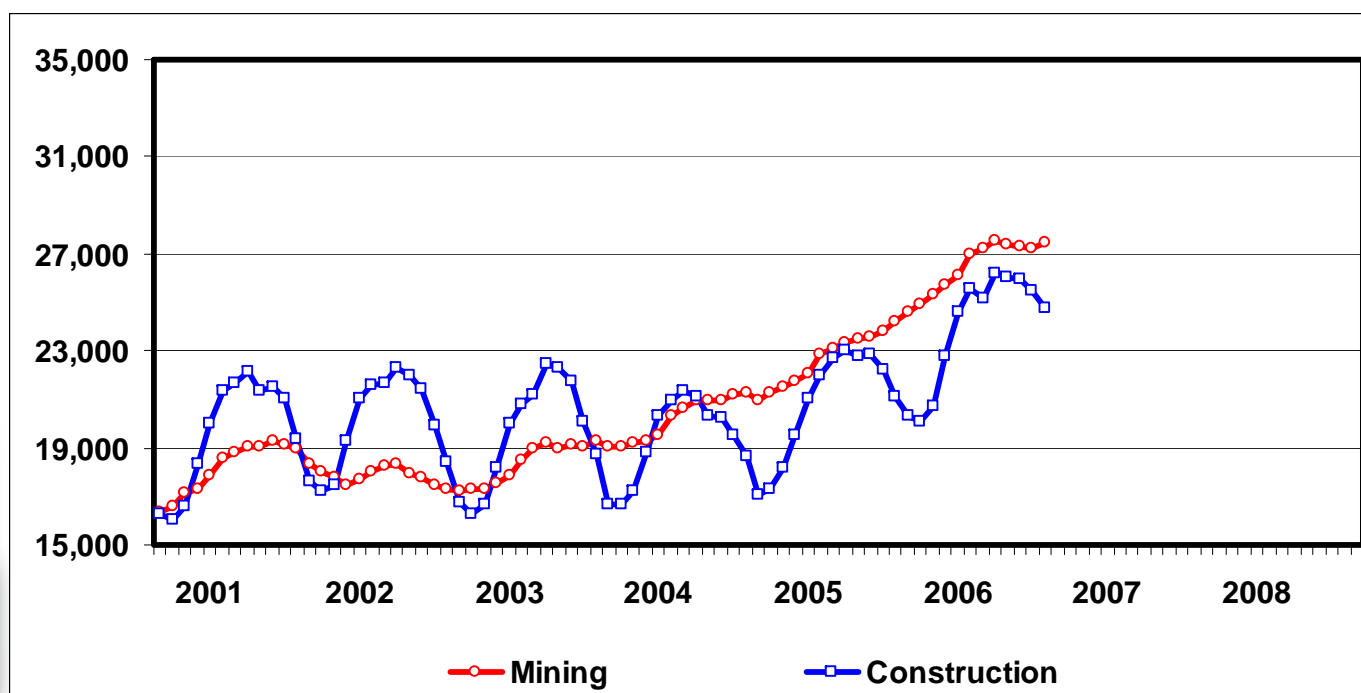
- Research & Planning maintains archived Summary and Wage Listing data to the early 90s.
- Summary records have the employer account number, employers name, industry, location, employment as of the 12th of each month, and total wages paid by quarter.
- Wage Listing data have employer account number, employee social security number, and total wages by quarter.
- Data are retained and used for:
 - Addressing a wide variety of labor force questions such as training program participation, the impact of injury on subsequent earnings, etc.
 - Statewide employment projections by Industry and region.



9/27/2013



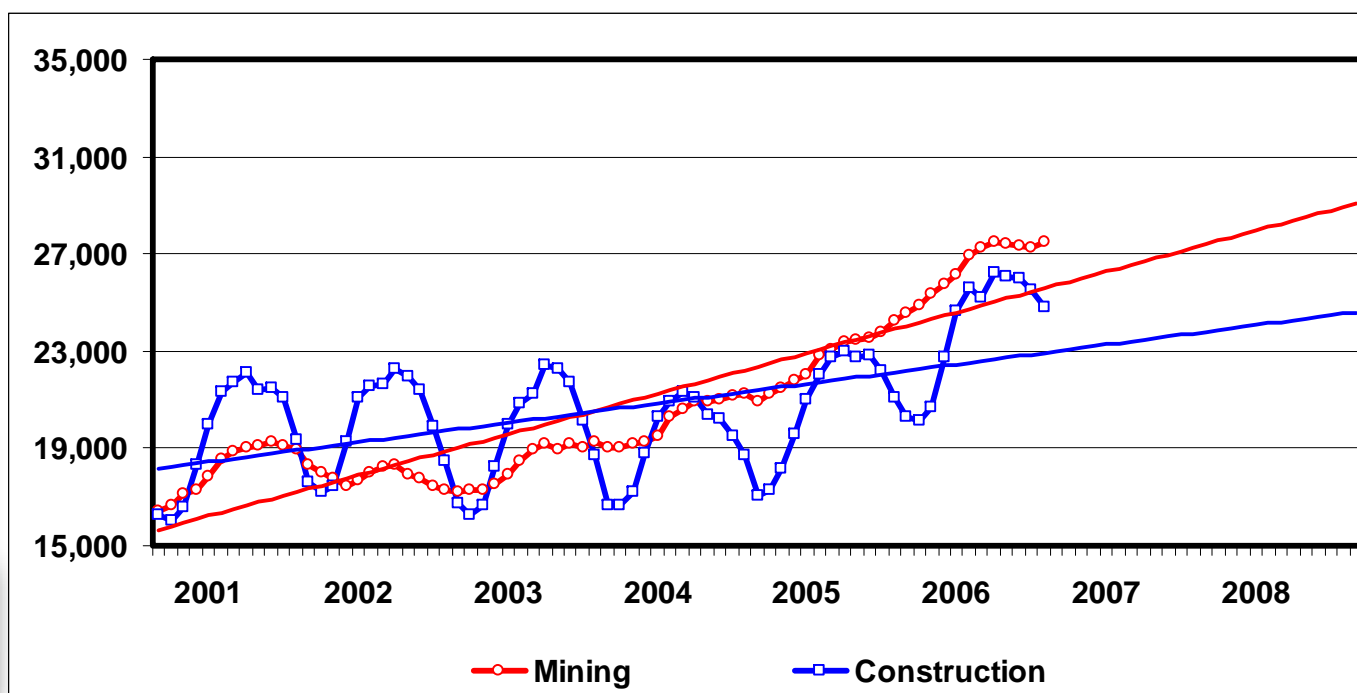
Employment in Mining and Construction by Month 2001 to 2006. (Base Period)



9/27/2013



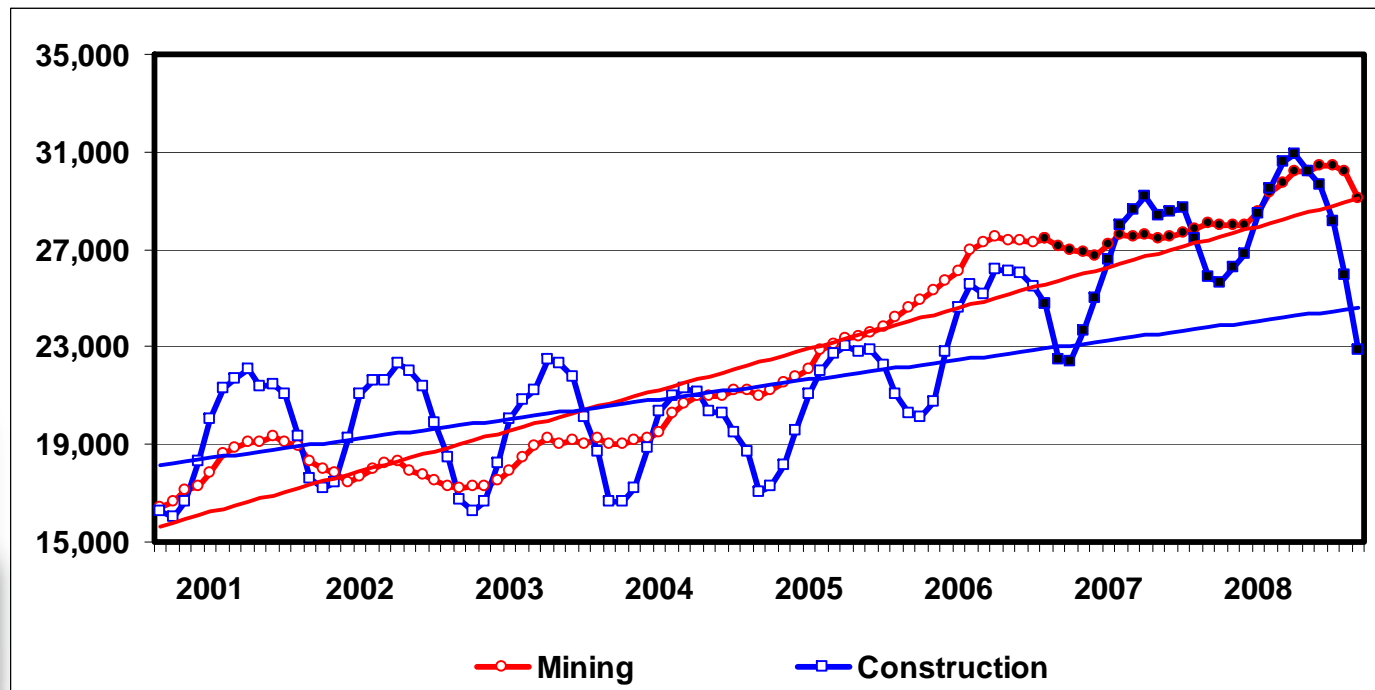
Linear Projection to December 2008 Based on the 2001 to 2006 Base Period Employment Trends in Mining and Construction.



9/27/2013



Base Period, Linear Projection, and Actual Employment (What really happened) in Mining and Construction 2007 to 2008.



9/27/2013



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Bureau of Labor Statistics, Occupational Employment Statistics - Collection Form



OCCUPATIONAL EMPLOYMENT REPORT OF SOCIAL ASSISTANCE (624000)

In Cooperation with the U.S. Department of Labor

Form Approved O.M.B. No. 1220-0042

What this report is about: This form asks for information about the occupations and wage ranges of the employees described in item 3 below. Please complete items 1 through 5 on this page. Next, please provide the information requested beginning on page 1 for the employees who worked during or received pay for the pay period that included the reference date in item 3, printed directly above your establishment name. The instructions on pages ii and iii explain how to provide the information. Please see our website at <http://www.bls.gov/OES> for more information on the OES Program, including a display of national, state and metropolitan area employment and wage estimates by occupation.

1 Which of the following options describes the status of the location(s) in item 3 as of the reference date also printed in item 3?

☐ Operating: Go to item 2.
☐ Temporarily closed during the pay period: If employees were paid for work during the pay period, report "0" in the reply envelope provided.
☐ Permanently out of business: Enter the address at the top.
☐ Sold or merged: Enter the go to item 2.

New Name: _____
 New Address: _____

2 Our records show that your main product is listed below. If they are not, please list lines provided and continue with the rest of the form.

624000

3 This form asks for information about the employees described below. Our estimate of employment for these employees appears at the top right corner of the label. Please make any needed address corrections.

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)																Total Employment
	A	B	C	D	E	F	G	H	I	J	K	L	T				
Hourly (part-time or full-time)	under \$7.50	\$7.50 - 9.49	\$9.50 - 11.99	\$12.00 - 15.24	\$15.25 - 19.24	\$19.25 - 24.49	\$24.50 - 30.99	\$31.00 - 39.24	\$39.25 - 49.74	\$49.75 - 63.24	\$63.25 - 79.99	\$80.00 and over					
Annual Salary (full-time only)	under \$15,600	\$15,600 - \$19,759	\$19,760 - 24,959	\$24,960 - 31,719	\$31,720 - 40,039	\$40,040 - 50,959	\$50,960 - 64,479	\$64,480 - 81,639	\$81,640 - 103,479	\$103,480 - 131,559	\$131,560 - 166,399	\$166,400 and over					
Financial Managers - (Controller) Plan, direct, and coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.																	
11-3031																	
Compensation and Benefits Managers - Plan, direct, or coordinate compensation and benefits activities and staff of an organization. Include job analysis and position description managers.																	
11-3041																	
Education Administrators, Preschool and Child Care Center/Program - Plan, direct, or coordinate the academic and nonacademic activities of preschool and child care centers or programs.																	
11-9031																	
Food Service Managers - Plan, direct, or coordinate activities of an organization or department that serves food and beverages.																	
11-9051																	
Medical and Health Services Managers - Plan, direct, or coordinate medicine and health services in hospitals, clinics, managed care organizations, public health agencies, or similar organizations.																	
11-9111																	
Social and Community Service Managers - (Public Welfare Director, Volunteer Services Manager) Plan, organize, or coordinate the activities of a social service program or community outreach organization. Oversee the program or organization's budget and policies regarding participant involvement, program requirements, and benefits.																	
11-9151																	

624000 2

9/27/2013

7

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Bureau of Labor Statistics, Occupational Employment Statistics - Collection Form






- The OES program produces employment and wage estimates for about 800 occupations. These are estimates of the number of people employed in certain occupations, and estimates of the wages paid to them.
- R&P maintains annual OES data in like format (using NAICS and SOC) from 2002 to present.
- Quarterly UI/WC data allow us to understand and project employment by Industry and Region. OES data lends itself to an understanding of the occupational distribution of employment within the industry and changes in that distribution over time.



9/27/2013












Occupational Employment Statistics - Estimated Employment by Year

Occupation	2003	2004	2005	2006	2007
	5,069	5,401	5,500	6,111	6,454
	2,493	2,588	3,325	3,746	4,906
	3,578	3,656	3,938	4,009	4,255
	1,889	2,126	2,958	3,234	3,493
	1,942	2,020	2,024	1,946	1,983





Occupational Employment Statistics - Electricians by Major Industry Employment

Occupation	Industry	2003	2007	Net	%
	All	1942	1983	+ 41	+ 2.1 %
		1261	1340	+ 79	+ 6.3 %
		325	378	+ 53	+ 16.3 %
		156	73	- 83	- 53.2 %
		109	68	- 41	- 37.6 %



9/27/2013

10

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Combining UI/WC Data with OES Data

- In a nutshell, combining UI/WC tax based industry data with the OES program data are the foundation of occupational projections.
- The Employment and Training Administration (ETA), Bureau of Labor Statistics (BLS), National Association of State Workforce Agencies (NASWA), and State Projections Workgroup collaborated to create a Projections Suite that is used to produce reliable long- and short-term occupational employment projections.

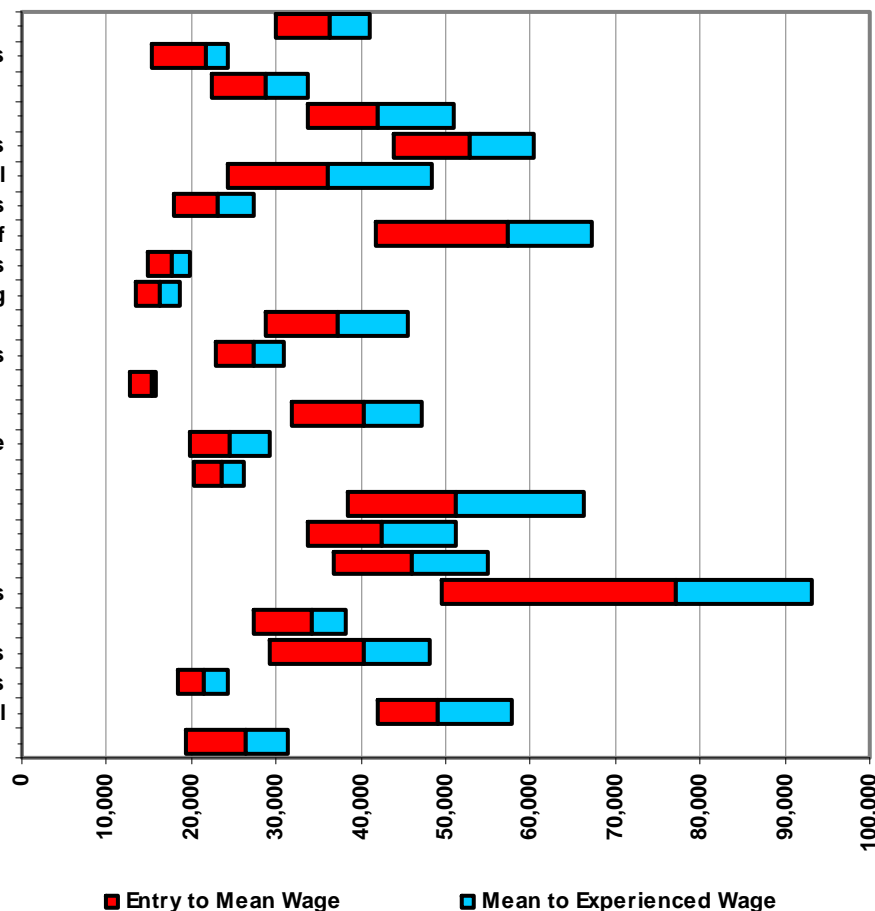


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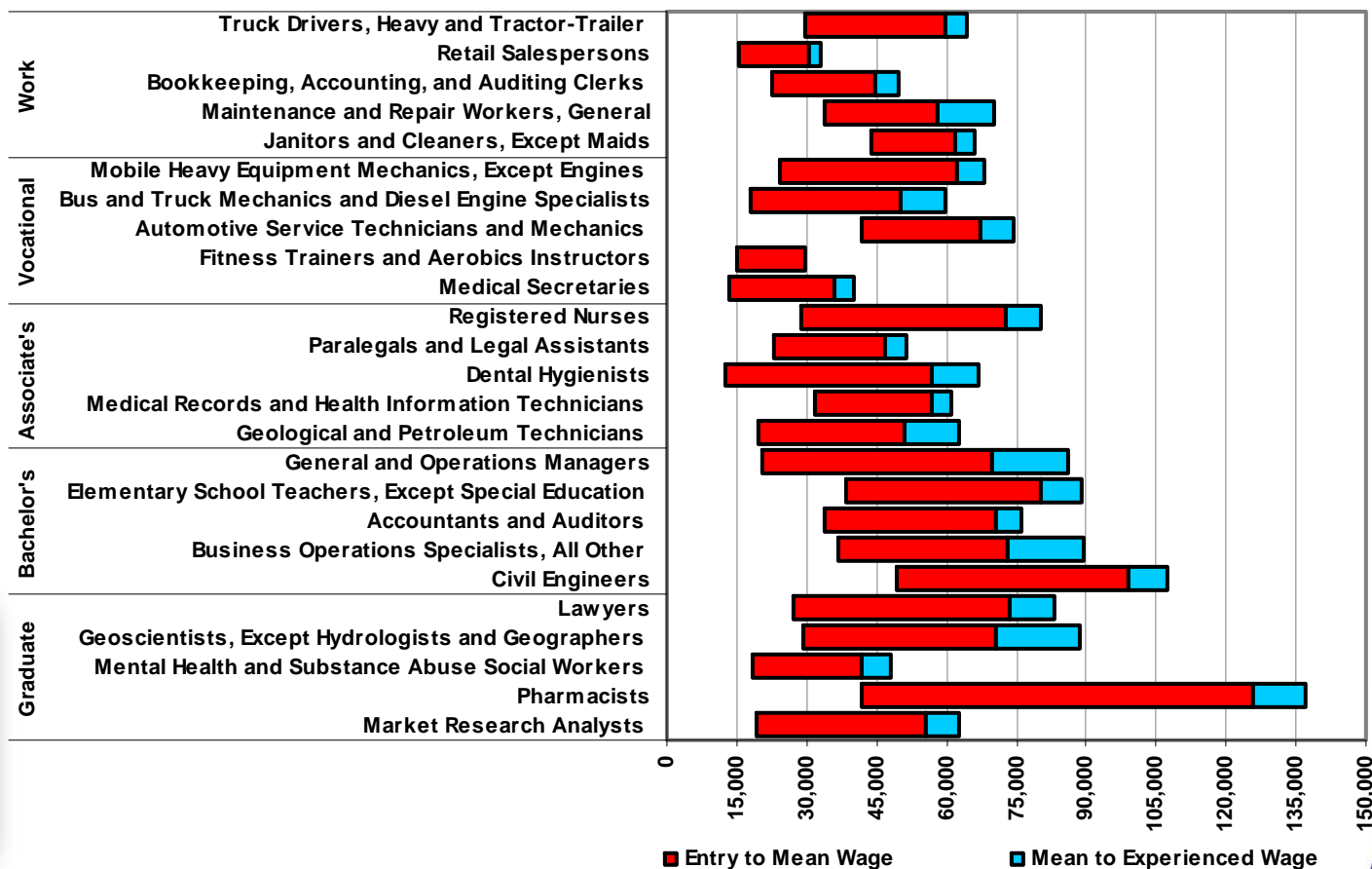
Top 25 Occupations with Highest Projected Net Growth 2006 to 2016 by Annual Wage 2007

Truck Drivers, Heavy and Tractor-Trailer
Retail Salespersons
Bookkeeping, Accounting, and Auditing Clerks
Other Construction Equipment Operators
Registered Nurses
Maintenance and Repair Workers, General
Janitors and Cleaners, Except Maids
First-Line Supervisors/Managers of
Maids and Housekeeping Cleaners
Combined Food Preparation and Serving
Carpenters
Construction Laborers
Waiters and Waitresses
Welders, Cutters, Solderers, and Brazers
Secretaries, Except Legal, Medical, and Executive
Nursing Aides, Orderlies, and Attendants
Industrial Machinery Mechanics
Derrick Operators, Oil and Gas
Electricians
General and Operations Managers
Roustabouts, Oil and Gas
Plumbers, Pipefitters, and Steamfitters
Home Health Aides
Elementary School Teachers, Except Special
Customer Service Representatives



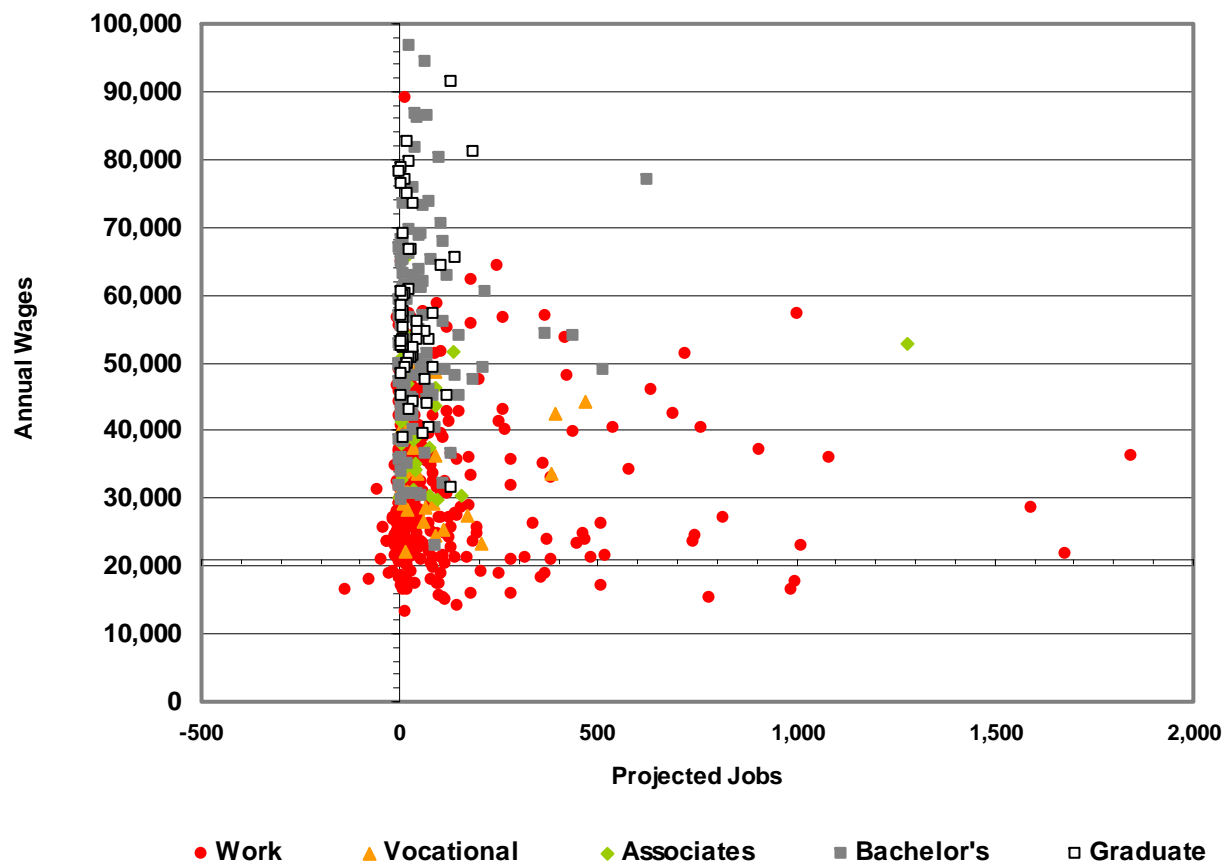


Top 5 Occupations with Highest Projected Net Growth by Typical Education and Annual Wage 2007





Scatter Plot of Projected Net Job Growth and Annual Wage 2007 by Education – All Occupations



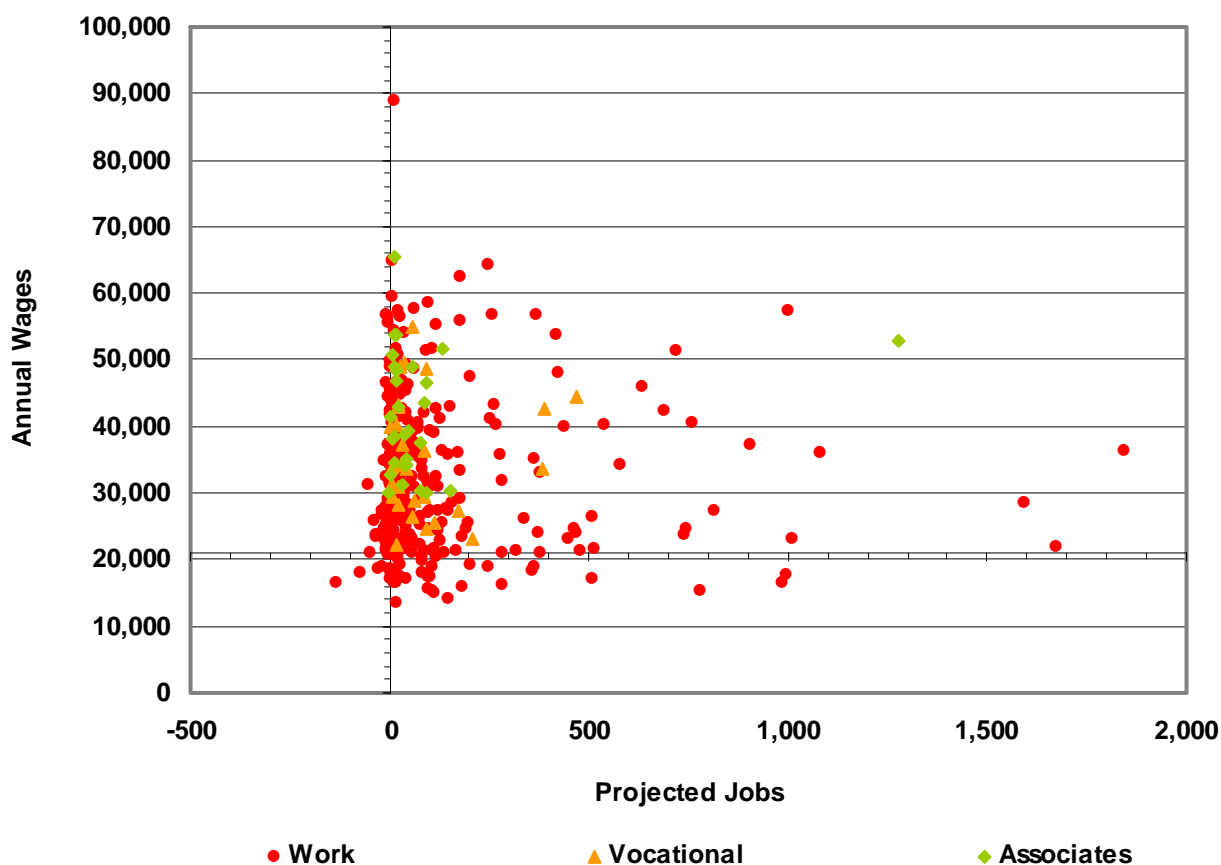
9/27/2013

14

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Scatter Plot – Occupations Requiring an Associates Degree or Less



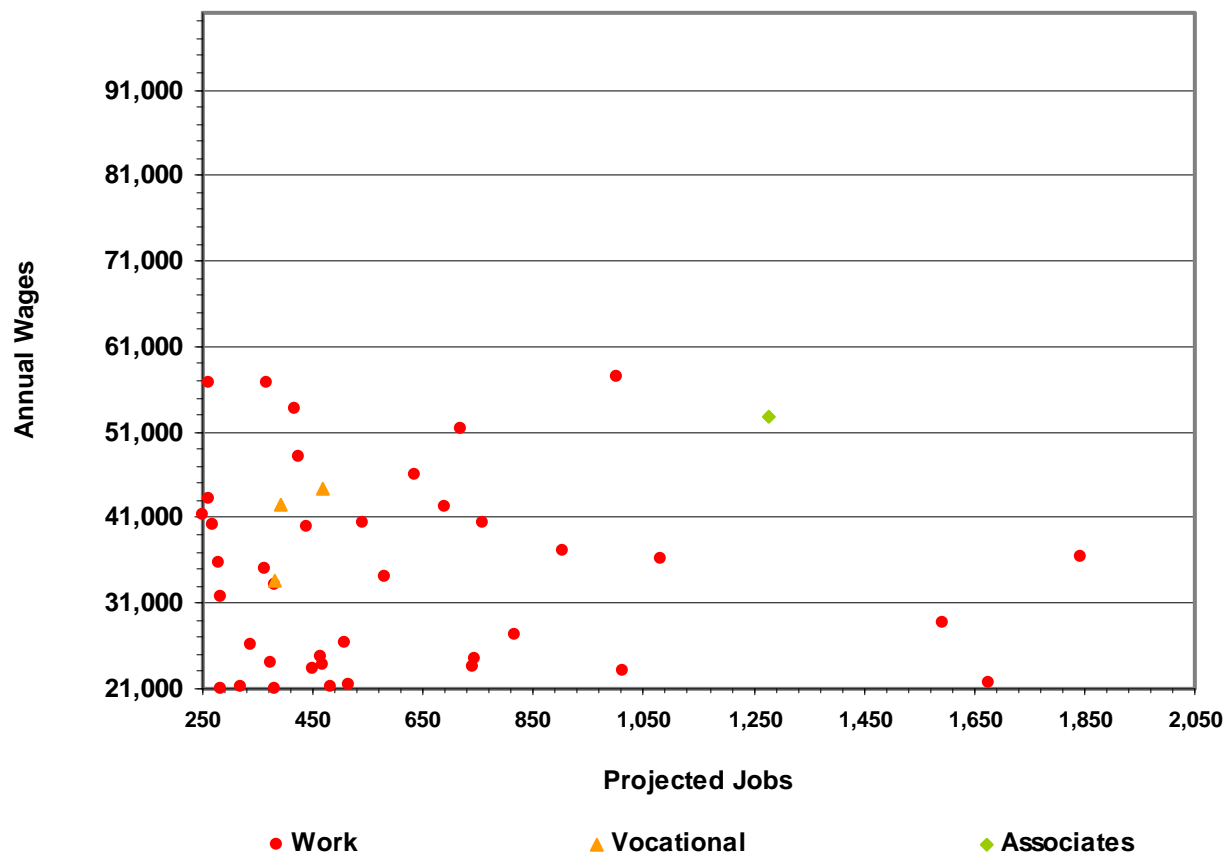
9/27/2013

15

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Scatter Plot – Occupations Requiring an Associates Degree or Less, more than 250 Jobs, and above Federal Poverty level in 2008



9/27/2013

16

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Occupations Requiring an Associates Degree or Less, more than 250 Jobs, and above Federal Poverty level

Typical Education	Occupation	Projected Jobs	Average Annual Wage
01-Work Experience	Truck Drivers, Heavy and Tractor-Trailer	1,842	36,391
	Retail Salespersons	1,676	21,790
	Bookkeeping, Accounting, and Auditing Clerks	1,591	28,666
	Maintenance and Repair Workers, General	1,082	36,086
	Janitors and Cleaners, Except Maids	1,011	23,021
	First-Line Supervisors/Managers of Construction Trades	1,002	57,347
	Maids and Housekeeping Cleaners	997	17,592
	Combined Food Preparation and Serving Workers	988	16,381
	Carpenters	905	37,235
	Construction Laborers	815	27,285
	Waiters and Waitresses	780	15,376
	Welders, Cutters, Solderers, and Brazers	758	40,442
	Secretaries, Except Legal, Medical, and Executive	745	24,513
	Nursing Aides, Orderlies, and Attendants	739	23,672
	Industrial Machinery Mechanics	719	51,282
	Derrick Operators, Oil and Gas	690	42,337
	Electricians	633	46,005



9/27/2013

17

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Occupations Requiring an Associates Degree or Less, more than 250 Jobs, and above Federal Poverty level

Typical Education	Occupation	Projected Jobs	Average Annual Wage
01-Work Experience	Roustabouts, Oil and Gas	579	34,189
	Plumbers, Pipefitters, and Steamfitters	539	40,305
	Home Health Aides	516	21,480
	Customer Service Representatives	509	26,308
	Counter and Rental Clerks	507	17,232
	Teacher Assistants	481	21,263
	Office Clerks, General	467	23,916
	Landscaping and Groundskeeping Workers	464	24,764
	Social and Human Service Assistants	449	23,254
	Sales Representatives, Wholesale and Manufacturing	438	39,861
	Extraction Workers, All Other	424	48,046
	First-Line Supervisors/Managers of Transportation	418	53,738
	Cooks, Restaurant	381	20,974
	First-Line Supervisors/Managers of Retail Sales Workers	381	33,057
	Laborers and Freight, Stock, and Material Movers, Hand	372	23,948
	First-Line Supervisors/Managers of Mechanics, Installers	366	56,799
	Hotel, Motel, and Resort Desk Clerks	365	18,963



9/27/2013

18

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Occupations Requiring an Associates Degree or Less, more than 250 Jobs, and above Federal Poverty level

Typical Education	Occupation	Projected Jobs	Average Annual Wage
01-Work Experience	Executive Secretaries and Administrative Assistants	361	35,087
	Child Care Workers	359	18,266
	First-Line Supervisors/Managers of Food Preparation	337	26,239
	Receptionists and Information Clerks	318	21,338
	Personal and Home Care Aides	282	21,047
	Cement Masons and Concrete Finishers	282	31,807
	Bartenders	281	16,071
	Excavating and Loading Machine and Dragline Operators	279	35,820
	First-Line Supervisors/Managers of Office	268	40,239
	Service Unit Operators, Oil, Gas, and Mining	262	43,162
02-Vocational Training	First-Line Supervisors/Managers of Production	260	56,768
	Inspectors, Testers, Sorters, Samplers, and Weighers	251	41,233
	Mobile Heavy Equipment Mechanics, Except Engines	467	44,321
	Bus and Truck Mechanics and Diesel Engine Specialists	390	42,542
03-Associates Degree	Automotive Service Technicians and Mechanics	382	33,590
	Registered Nurses	1,278	52,795



9/27/2013

19

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9/27/2013

20

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