## 2016 APEGS Salary Survey Summary Results

The Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS) contacted 5,621 Professional Engineers, Professional Geoscientists, Engineers-in-Training, Geoscientists-in-Training and Licensees living in Saskatchewan. A total of 2,246 members completed the survey, representing a 40.0 \% response rate. Of those, 2,153 were employed ful-time and used in the analysis. Surveys were completed in February and March 2016 and salaries reported were as at December 31, 2015. Insightrix Research Inc. compiled and tabulated all results. The detailed report, which includes analysis by gender, can be found on the APEGS website at http://www.apegs.ca/Portal/Pages/salary-survey

The main goals of the survey are:

- to provide information to all members regarding monetary compensation for different levels of responsibility and advanced degrees;
- to provide information to employers to assist them in establishing appropriate pay levels for recent graduates and ensuring competitive compensation packages for experienced professionals; and
- to give students, career counsellors and other interested persons information on employment, including salaries, in the engineering and geoscience professions in Saskatchewan.

Annual Salary by Final Year of Graduation (B.Sc.)

|  | Count | Mean | 5 | 25 | Median | 75 | 95 | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1976 \& Prior | 42 | \$138,858 | \$85,222 | \$110,760 | \$143,188 | \$166,612 | \$180,482 | 2.0\% |
| 1977 | 11 | \$150,018 | \$100,000 | \$105,400 | \$139,000 | \$188,000 | \$260,000 | 0.5\% |
| 1978 | 16 | \$135,355 | \$35,000 | \$89,000 | \$143,500 | \$171,250 | \$270,000 | 0.8\% |
| 1979 | 18 | \$146,221 | \$75,000 | \$124,000 | \$156,000 | \$162,000 | \$200,000 | 0.9\% |
| 1980 | 12 | \$142,335 | \$60,000 | \$133,000 | \$138,500 | \$161,000 | \$205,000 | 0.6\% |
| 1981 | 13 | \$144,269 | \$62,000 | \$135,000 | \$153,000 | \$170,000 | \$200,000 | 0.6\% |
| 1982 | 26 | \$138,023 | \$96,000 | \$106,300 | \$138,000 | \$168,000 | \$196,923 | 1.2\% |
| 1983 | 16 | \$150,677 | \$62,000 | \$105,330 | \$150,678 | \$195,432 | \$225,000 | 0.8\% |
| 1984 | 22 | \$140,605 | \$97,000 | \$115,000 | \$137,500 | \$160,000 | \$225,000 | 1.0\% |
| 1985 | 20 | \$142,035 | \$37,000 | \$103,200 | \$128,500 | \$190,500 | \$250,000 | 1.0\% |
| 1986 | 26 | \$135,970 | \$62,000 | \$108,000 | \$136,408 | \$160,800 | \$203,000 | 1.2\% |
| 1987 | 29 | \$140,259 | \$84,700 | \$113,000 | \$135,800 | \$160,000 | \$228,000 | 1.4\% |
| 1988 | 21 | \$137,625 | \$100,000 | \$123,000 | \$137,000 | \$150,716 | \$185,000 | 1.0\% |
| 1989 | 22 | \$136,214 | \$90,000 | \$117,000 | \$135,900 | \$155,000 | \$180,000 | 1.0\% |
| 1990 | 30 | \$147,121 | \$77,000 | \$118,000 | \$140,570 | \$175,000 | \$207,000 | 1.4\% |
| 1991 | 26 | \$141,009 | \$105,000 | \$114,000 | \$135,210 | \$150,000 | \$196,890 | 1.2\% |
| 1992 | 17 | \$117,355 | \$30,000 | \$92,000 | \$113,000 | \$145,000 | \$220,000 | 0.8\% |
| 1993 | 24 | \$134,228 | \$86,300 | \$107,292 | \$135,000 | \$154,491 | \$190,800 | 1.1\% |
| 1994 | 33 | \$129,510 | \$30,000 | \$89,200 | \$131,000 | \$163,000 | \$210,000 | 1.6\% |
| 1995 | 34 | \$159,596 | \$85,000 | \$100,000 | \$131,000 | \$170,000 | \$240,000 | 1.6\% |
| 1996 | 35 | \$147,664 | \$73,000 | \$105,000 | \$137,000 | \$175,000 | \$230,000 | 1.7\% |
| 1997 | 35 | \$118,516 | \$71,400 | \$90,000 | \$110,000 | \$132,000 | \$193,000 | 1.7\% |
| 1998 | 30 | \$114,293 | \$29,120 | \$80,000 | \$117,750 | \$138,500 | \$226,000 | 1.4\% |
| 1999 | 50 | \$124,758 | \$87,000 | \$100,000 | \$118,300 | \$135,200 | \$191,000 | 2.4\% |
| 2000 | 53 | \$114,907 | \$74,600 | \$96,000 | \$110,000 | \$126,507 | \$166,000 | 2.5\% |
| 2001 | 59 | \$116,753 | \$83,000 | \$98,880 | \$110,000 | \$134,000 | \$167,000 | 2.8\% |
| 2002 | 64 | \$115,470 | \$57,200 | \$103,250 | \$112,500 | \$137,000 | \$158,000 | 3.1\% |
| 2003 | 69 | \$113,279 | \$65,000 | \$96,000 | \$114,800 | \$127,000 | \$162,000 | 3.3\% |
| 2004 | 76 | \$112,967 | \$45,000 | \$85,000 | \$102,750 | \$120,550 | \$175,000 | 3.6\% |
| 2005 | 81 | \$107,204 | \$66,408 | \$96,000 | \$105,550 | \$120,000 | \$150,000 | 3.9\% |
| 2006 | 68 | \$100,705 | \$51,000 | \$84,800 | \$100,100 | \$114,650 | \$149,000 | 3.2\% |
| 2007 | 102 | \$100,473 | \$70,000 | \$82,888 | \$97,817 | \$117,000 | \$135,000 | 4.9\% |
| 2008 | 93 | \$92,664 | \$68,500 | \$82,680 | \$91,105 | \$102,161 | \$121,400 | 4.4\% |
| 2009 | 115 | \$88,275 | \$50,000 | \$77,700 | \$89,000 | \$100,000 | \$125,000 | 5.5\% |
| 2010 | 135 | \$82,728 | \$59,000 | \$72,500 | \$83,000 | \$95,000 | \$110,000 | 6.4\% |
| 2011 | 122 | \$81,927 | \$58,000 | \$71,241 | \$78,000 | \$90,980 | \$119,890 | 5.8\% |
| 2012 | 131 | \$74,442 | \$56,311 | \$66,500 | \$72,240 | \$81,000 | \$98,900 | 6.2\% |
| 2013 | 123 | \$72,056 | \$52,658 | \$64,500 | \$70,000 | \$80,000 | \$93,750 | 5.9\% |
| 2014 | 107 | \$64,613 | \$41,000 | \$60,000 | \$64,600 | \$74,000 | \$82,500 | 5.1\% |
| 2015 | 87 | \$62,476 | \$39,000 | \$57,000 | \$62,666 | \$71,000 | \$83,200 | 4.1\% |

## Annual Salary by Designation

|  | Count | Mean | $\mathbf{5}$ | $\mathbf{2 5}$ | Median | $\mathbf{7 5}$ | $\mathbf{9 5}$ | \% |
| :--- | :---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| P.Eng. | 1377 | $\$ 118,492$ | $\$ 72,000$ | $\$ 90,124$ | $\$ 110,000$ | $\$ 135,760$ | $\$ 190,000$ | $61.3 \%$ |
| P.Geo. | 106 | $\$ 121,629$ | $\$ 60,000$ | $\$ 97,500$ | $\$ 117,500$ | $\$ 145,000$ | $\$ 185,000$ | $4.7 \%$ |
| P.Eng./P.Geo | 19 | $\$ 129,856$ | $\$ 50,000$ | $\$ 92,000$ | $\$ 131,000$ | $\$ 160,000$ | $\$ 202,000$ | $0.8 \%$ |
| Engineering Licensee | 12 | $\$ 121,246$ | $\$ 70,000$ | $\$ 87,250$ | $\$ 110,228$ | $\$ 145,000$ | $\$ 240,000$ | $0.5 \%$ |
| Engineer-in-Training | 690 | $\$ 72,994$ | $\$ 46,040$ | $\$ 63,000$ | $\$ 70,037$ | $\$ 81,000$ | $\$ 105,000$ | $30.7 \%$ |
| Geoscientist-in-Training | 40 | $\$ 75,853$ | $\$ 24,000$ | $\$ 60,000$ | $\$ 70,000$ | $\$ 87,000$ | $\$ 150,000$ | $1.8 \%$ |
| Geoscience Licensee* | NA | NA | NA | NA | NA | NA | NA | NA |
| *NA $=$ Not available due to reporting rules (insufficient data) |  |  |  |  |  |  |  |  |

## Annual Salary by Discipline

|  | Count | Mean | $\mathbf{5}$ | $\mathbf{2 5}$ | Median | $\mathbf{7 5}$ | $\mathbf{9 5}$ | $\%$ |
| :--- | :---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Civil | 479 | $\$ 96,392$ | $\$ 60,000$ | $\$ 70,073$ | $\$ 88,200$ | $\$ 110,000$ | $\$ 165,000$ | $21.3 \%$ |
| Mech/nd | 506 | $\$ 103,073$ | $\$ 55,000$ | $\$ 75,000$ | $\$ 92,588$ | $\$ 123,858$ | $\$ 175,000$ | $22.5 \%$ |
| Elec/Eng Physics | 344 | $\$ 106,519$ | $\$ 60,000$ | $\$ 77,000$ | $\$ 100,000$ | $\$ 124,700$ | $\$ 167,000$ | $15.3 \%$ |
| Chem/Ceramic Metal | 101 | $\$ 110,618$ | $\$ 63,200$ | $\$ 83,000$ | $\$ 99,813$ | $\$ 138,000$ | $\$ 186,000$ | $4.5 \%$ |
| Geo/Mining/Petro Eng | 258 | $\$ 117,895$ | $\$ 66,408$ | $\$ 85,000$ | $\$ 107,700$ | $\$ 148,250$ | $\$ 190,800$ | $11.5 \%$ |
| Ag/Forestry | 55 | $\$ 93,678$ | $\$ 57,924$ | $\$ 69,888$ | $\$ 88,527$ | $\$ 110,000$ | $\$ 150,000$ | $2.4 \%$ |
| Environmental | 147 | $\$ 97,134$ | $\$ 52,000$ | $\$ 68,500$ | $\$ 88,285$ | $\$ 110,000$ | $\$ 150,000$ | $6.5 \%$ |
| Geosciences | 122 | $\$ 109,338$ | $\$ 53,329$ | $\$ 79,000$ | $\$ 105,261$ | $\$ 136,000$ | $\$ 185,000$ | $5.4 \%$ |
| Computer Eng | 35 | $\$ 92,799$ | $\$ 55,000$ | $\$ 69,432$ | $\$ 84,242$ | $\$ 103,000$ | $\$ 160,000$ | $1.6 \%$ |
| Biological/Biomedical* | NA | NA | NA | NA | NA | NA | NA | NA |
| Industrial $*$ | NA | NA | NA | NA | NA | NA | NA | NA |
| Other | 191 | $\$ 106,675$ | $\$ 49,000$ | $\$ 72,479$ | $\$ 97,919$ | $\$ 125,500$ | $\$ 220,000$ | $8.5 \%$ |

${ }^{*}$ NA $=$ Not available due to reporting rules (insufficient data)

## Annual Salary by Function

|  | Count | Mean | $\mathbf{5}$ | $\mathbf{2 5}$ | Median | $\mathbf{7 5}$ | $\mathbf{9 5}$ | $\%$ |
| :--- | :---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Corp Mgmt | 177 | $\$ 147,490$ | $\$ 88,000$ | $\$ 116,000$ | $\$ 140,000$ | $\$ 170,000$ | $\$ 228,000$ | $7.9 \%$ |
| Project/Op Mgmt | 843 | $\$ 109,617$ | $\$ 63,000$ | $\$ 82,000$ | $\$ 100,000$ | $\$ 130,000$ | $\$ 185,000$ | $37.5 \%$ |
| Project Admin | 78 | $\$ 85,902$ | $\$ 52,500$ | $\$ 67,200$ | $\$ 83,600$ | $\$ 98,000$ | $\$ 140,000$ | $3.5 \%$ |
| Design | 472 | $\$ 88,694$ | $\$ 56,000$ | $\$ 69,600$ | $\$ 80,000$ | $\$ 101,000$ | $\$ 145,000$ | $21.0 \%$ |
| Research/Planning | 134 | $\$ 97,920$ | $\$ 25,000$ | $\$ 68,618$ | $\$ 90,000$ | $\$ 115,000$ | $\$ 165,000$ | $6.0 \%$ |
| Inspec/Quality/Res | 57 | $\$ 80,069$ | $\$ 52,200$ | $\$ 64,000$ | $\$ 71,000$ | $\$ 85,200$ | $\$ 148,318$ | $2.5 \%$ |
| Operating/Maint | 194 | $\$ 102,098$ | $\$ 56,000$ | $\$ 77,000$ | $\$ 97,100$ | $\$ 124,300$ | $\$ 160,000$ | $8.6 \%$ |
| Teaching | 43 | $\$ 116,408$ | $\$ 65,000$ | $\$ 85,000$ | $\$ 120,000$ | $\$ 147,000$ | $\$ 169,000$ | $1.9 \%$ |
| Marketing/Sales | 28 | $\$ 102,429$ | $\$ 49,000$ | $\$ 74,318$ | $\$ 89,500$ | $\$ 130,000$ | $\$ 184,000$ | $1.2 \%$ |
| Reg Approvals/Enforce | 64 | $\$ 92,937$ | $\$ 59,500$ | $\$ 75,000$ | $\$ 91,650$ | $\$ 110,000$ | $\$ 133,000$ | $2.8 \%$ |
| Exploration | 55 | $\$ 103,912$ | $\$ 30,000$ | $\$ 76,000$ | $\$ 95,000$ | $\$ 130,000$ | $\$ 196,890$ | $2.4 \%$ |
| Other | 101 | $\$ 96,246$ | $\$ 40,000$ | $\$ 62,500$ | $\$ 89,000$ | $\$ 114,000$ | $\$ 161,000$ | $4.5 \%$ |

Annual Salary by Industry

|  | Count | Mean | $\mathbf{5}$ | $\mathbf{2 5}$ | Median | $\mathbf{7 5}$ | $\mathbf{9 5}$ | $\%$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Consulting Service | 594 | $\$ 99,875$ | $\$ 57,000$ | $\$ 69,000$ | $\$ 85,250$ | $\$ 115,000$ | $\$ 185,000$ | $26.4 \%$ |
| Resource Ind Oil/Gas | 111 | $\$ 106,828$ | $\$ 50,000$ | $\$ 78,000$ | $\$ 99,000$ | $\$ 127,000$ | $\$ 190,000$ | $4.9 \%$ |
| Resource Ind | 414 | $\$ 118,833$ | $\$ 73,000$ | $\$ 92,800$ | $\$ 111,500$ | $\$ 140,000$ | $\$ 189,000$ | $18.4 \%$ |
| Procurement/Construc | 181 | $\$ 94,308$ | $\$ 56,500$ | $\$ 70,000$ | $\$ 88,000$ | $\$ 110,000$ | $\$ 164,900$ | $8.1 \%$ |
| Manufac Durables | 197 | $\$ 91,651$ | $\$ 52,000$ | $\$ 67,200$ | $\$ 83,000$ | $\$ 108,000$ | $\$ 159,000$ | $8.8 \%$ |
| Manufac Non-Durables | 69 | $\$ 119,727$ | $\$ 70,000$ | $\$ 84,000$ | $\$ 107,500$ | $\$ 146,000$ | $\$ 191,951$ | $3.1 \%$ |
| Service For Profit | 30 | $\$ 95,147$ | $\$ 45,000$ | $\$ 60,000$ | $\$ 83,500$ | $\$ 110,000$ | $\$ 180,251$ | $1.3 \%$ |
| Service Not For Profit | 176 | $\$ 95,873$ | $\$ 60,000$ | $\$ 75,785$ | $\$ 91,548$ | $\$ 109,500$ | $\$ 150,000$ | $7.8 \%$ |
| Utilities | 278 | $\$ 108,377$ | $\$ 60,606$ | $\$ 84,000$ | $\$ 105,000$ | $\$ 128,000$ | $\$ 174,382$ | $12.4 \%$ |
| Educational Services | 79 | $\$ 114,013$ | $\$ 23,000$ | $\$ 75,000$ | $\$ 102,000$ | $\$ 145,000$ | $\$ 203,000$ | $3.5 \%$ |
| Agriculture/Forestry | 27 | $\$ 91,013$ | $\$ 55,570$ | $\$ 63,000$ | $\$ 88,500$ | $\$ 105,427$ | $\$ 135,000$ | $1.2 \%$ |
| Other | 90 | $\$ 96,499$ | $\$ 24,000$ | $\$ 72,100$ | $\$ 89,819$ | $\$ 112,000$ | $\$ 151,000$ | $4.0 \%$ |

## Annual Salary by Degrees

|  | Count | Mean | $\mathbf{5}$ | $\mathbf{2 5}$ | Median | $\mathbf{7 5}$ | $\mathbf{9 5}$ | $\%$ |
| :--- | :---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Bachelor's | 1489 | $\$ 100,518$ | $\$ 58,000$ | $\$ 72,760$ | $\$ 91,000$ | $\$ 118,245$ | $\$ 175,000$ | $66.3 \%$ |
| Bachelor's > Master's | 249 | $\$ 108,420$ | $\$ 58,000$ | $\$ 84,498$ | $\$ 103,188$ | $\$ 130,000$ | $\$ 179,000$ | $11.1 \%$ |
| Master's Degree | 358 | $\$ 106,651$ | $\$ 50,000$ | $\$ 78,000$ | $\$ 100,000$ | $\$ 127,000$ | $\$ 186,000$ | $15.9 \%$ |
| Master's > Doctorate | 47 | $\$ 136,612$ | $\$ 65,000$ | $\$ 85,000$ | $\$ 110,000$ | $\$ 165,000$ | $\$ 240,000$ | $2.1 \%$ |
| Doctorate | 103 | $\$ 122,387$ | $\$ 35,000$ | $\$ 86,603$ | $\$ 120,000$ | $\$ 150,000$ | $\$ 186,000$ | $4.6 \%$ |

## Annual Salary by Experience

|  | Count | Mean | $\mathbf{5}$ | $\mathbf{2 5}$ | Median | $\mathbf{7 5}$ | $\mathbf{9 5}$ | $\%$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $<1$ year | 100 | $\$ 65,775$ | $\$ 30,096$ | $\$ 54,000$ | $\$ 62,583$ | $\$ 75,000$ | $\$ 113,000$ | $4.5 \%$ |
| 1 year | 47 | $\$ 66,481$ | $\$ 25,000$ | $\$ 56,000$ | $\$ 63,200$ | $\$ 73,112$ | $\$ 121,000$ | $2.1 \%$ |
| 1.5 years | 77 | $\$ 67,014$ | $\$ 43,000$ | $\$ 60,036$ | $\$ 68,000$ | $\$ 74,100$ | $\$ 90,000$ | $3.4 \%$ |
| 2 years | 122 | $\$ 75,112$ | $\$ 53,000$ | $\$ 63,800$ | $\$ 70,656$ | $\$ 79,040$ | $\$ 105,000$ | $5.4 \%$ |
| 3 years | 175 | $\$ 74,993$ | $\$ 54,000$ | $\$ 65,000$ | $\$ 71,450$ | $\$ 82,000$ | $\$ 107,000$ | $7.8 \%$ |
| 4 years | 170 | $\$ 79,936$ | $\$ 58,625$ | $\$ 70,000$ | $\$ 76,503$ | $\$ 86,000$ | $\$ 105,000$ | $7.6 \%$ |
| 5 years | 179 | $\$ 86,582$ | $\$ 64,000$ | $\$ 74,250$ | $\$ 84,000$ | $\$ 96,700$ | $\$ 120,000$ | $8.0 \%$ |
| 6 years | 120 | $\$ 90,665$ | $\$ 66,573$ | $\$ 79,075$ | $\$ 89,686$ | $\$ 98,950$ | $\$ 125,500$ | $5.3 \%$ |
| $7-8$ years | 211 | $\$ 98,317$ | $\$ 68,000$ | $\$ 85,000$ | $\$ 95,160$ | $\$ 112,900$ | $\$ 132,000$ | $9.4 \%$ |
| $9-10$ years | 201 | $\$ 107,927$ | $\$ 73,000$ | $\$ 92,000$ | $\$ 106,000$ | $\$ 119,500$ | $\$ 150,000$ | $8.9 \%$ |
| $11-12$ years | 119 | $\$ 117,733$ | $\$ 74,334$ | $\$ 92,250$ | $\$ 110,000$ | $\$ 130,000$ | $\$ 175,000$ | $5.3 \%$ |
| $13-14$ years | 106 | $\$ 119,265$ | $\$ 84,000$ | $\$ 103,000$ | $\$ 118,000$ | $\$ 138,000$ | $\$ 160,000$ | $4.7 \%$ |
| $15-17$ years | 147 | $\$ 123,238$ | $\$ 85,000$ | $\$ 100,000$ | $\$ 120,000$ | $\$ 140,000$ | $\$ 172,000$ | $6.5 \%$ |
| $18-20$ years | 95 | $\$ 147,435$ | $\$ 79,000$ | $\$ 110,000$ | $\$ 137,000$ | $\$ 165,000$ | $\$ 195,000$ | $4.2 \%$ |
| $21-24$ years | 93 | $\$ 142,025$ | $\$ 78,000$ | $\$ 108,000$ | $\$ 135,000$ | $\$ 168,000$ | $\$ 228,000$ | $4.1 \%$ |
| $25+$ years | 284 | $\$ 148,508$ | $\$ 76,000$ | $\$ 120,300$ | $\$ 145,000$ | $\$ 170,000$ | $\$ 228,000$ | $12.6 \%$ |

## Annual Salary by Sector

|  | Count | Mean | $\mathbf{5}$ | $\mathbf{2 5}$ | Median | $\mathbf{7 5}$ | $\mathbf{9 5}$ | \% |
| :--- | :---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Public Sector | 675 | $\$ 103,094$ | $\$ 59,000$ | $\$ 78,000$ | $\$ 98,000$ | $\$ 120,090$ | $\$ 165,000$ | $43.6 \%$ |
| Private Sector | 1549 | $\$ 104,771$ | $\$ 56,650$ | $\$ 74,000$ | $\$ 94,900$ | $\$ 125,000$ | $\$ 185,000$ | $56.4 \%$ |

Total Salary

|  | Count | Mean | $\mathbf{5}$ | $\mathbf{2 5}$ | Median | $\mathbf{7 5}$ | $\mathbf{9 5}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Base Salary | 2153 | $\$ 104,239$ | $\$ 58,000$ | $\$ 75,000$ | $\$ 95,680$ | $\$ 125,000$ | $\$ 180,000$ |
| Salary including bonus | 2153 | $\$ 121,601$ | $\$ 60,200$ | $\$ 82,000$ | $\$ 107,900$ | $\$ 147,000$ | $\$ 225,000$ |

## Salary Changes - Full Time Positions

|  | median | \% increase | mean | \% increase |
| :--- | ---: | ---: | ---: | ---: |
| 1987 | $\$ 48,000$ | $\$ 49,269$ |  |  |
| 1989 | $\$ 50,928$ | $6.10 \%$ | $\$ 62,887$ | $27.60 \%$ |
| 1991 | $\$ 54,110$ | $6.20 \%$ | $\$ 57,578$ | $-8.40 \%$ |
| 1993 | $\$ 54,480$ | $0.70 \%$ | $\$ 56,703$ | $-1.50 \%$ |
| 1995 | $\$ 56,400$ | $3.50 \%$ | $\$ 59,142$ | $4.30 \%$ |
| 1997 | $\$ 60,000$ | $6.40 \%$ | $\$ 62,266$ | $5.30 \%$ |
| 1999 | $\$ 62,500$ | $4.20 \%$ | $\$ 65,401$ | $5.00 \%$ |
| 2001 | $\$ 66,000$ | $5.60 \%$ | $\$ 68,877$ | $5.30 \%$ |
| 2003 | $\$ 68,800$ | $4.20 \%$ | $\$ 71,210$ | $3.40 \%$ |
| 2005 | $\$ 71,008$ | $3.20 \%$ | $\$ 73,607$ | $3.40 \%$ |
| 2007 | $\$ 74,000$ | $4.20 \%$ | $\$ 77,374$ | $5.10 \%$ |
| 2008 | $\$ 76,352$ | $3.20 \%$ | $\$ 83,025$ | $7.30 \%$ |
| 2009 | $\$ 80,000$ | $4.80 \%$ | $\$ 86,908$ | $4.70 \%$ |
| 2010 | $\$ 82,950$ | $3.70 \%$ | $\$ 91,548$ | $5.30 \%$ |
| 2011 | $\$ 84,224$ | $1.54 \%$ | $\$ 91,154$ | $-0.40 \%$ |
| 2012 | $\$ 89,472$ | $6.23 \%$ | $\$ 96,219$ | $5.56 \%$ |
| 2013 | $\$ 90,000$ | $0.59 \%$ | $\$ 98,030$ | $1.88 \%$ |
| 2014 | $\$ 94,500$ | $5.00 \%$ | $\$ 102,475$ | $4.53 \%$ |
| 2015 | $\$ 97,000$ | $2.65 \%$ | $\$ 105,111$ | $2.57 \%$ |
|  | $\$ 95,680$ | $-1.36 \%$ | $\$ 104,239$ | $-0.83 \%$ |

## Regression Analysis

Stepwise linear regression was used to find the best model for estimating salaries. The formula produced explains over 50 per cent of the variance in salary ( $51.1 \%$ ). Any model explaining at least 50 per cent of the variance in the dependent variable can be considered an effective model. Refer to the "Classification Rating Guide", which can be found on www.apegs.ca to determine the values for each factor.

| Factor | B (Coefficient) | Beta (Relative importance) |
| :--- | :---: | ---: |
| Duties (A) | 147 | 0.200 |
| Experience (C) | 338 | 0.287 |
| Supervision Scope (G) | 770 | 0.167 |
| Professional designation | 8,088 | 0.083 |
| (Constant) | 55,267 |  |

Formula for expected salary (SE) without bonus:
SE $=55267+(147 \times \mathrm{A})+(338 \mathrm{x} C)+(770 \mathrm{x}$ G $)$
Add 8,088 if you have acquired professional status within your field - P.Eng. or P.Geo.

