

**Geology Program
Employer Survey Report**

Employers were asked to complete a survey on whether or not they employed geoscientists, how many they hired within a five-year period, and what degree levels they preferred their geoscience employees to have. The survey also asked them to rank five areas--geology, earth science, geoscience, earth system science, environmental science, and environmental studies--according to their own preferences.

This report summarizes the findings of each of these questions in turn. Specific tables are found at the end of this report.

Employing Geologists

All of those responding (with one missing value) indicated that they hire geologists. Fifty percent of these hire in Indiana. The median number of geologists hired was eight, the average number was twenty-five. When asked what degree level they hired at, seven mentioned the bachelor of science level, seven mentioned graduate degrees. The two most common concentration areas for these employers were in consulting and engineering.

Ranking Degrees According to Preference

Four geology degrees appear to be ranked in order, the first the higher ranked, and so forth:

Geology
Geoscience
Environmental Science
Earth Science

Academic Affairs Assessment and Accreditation
 Indiana State University
 January 18, 2006

Statistics

	N		Mean	Median	Mode	Std. Deviation	Range
	Valid	Missing					
FirmName	16	0					
State	16	0					
TypeBusiness	16	0					
HireGeoscientists	15	1	1.00	1.00	1	.000	0
NumberGeoscienstistHire5Yrs	15	1	25.47	8.00	4	34.209	98
Degree	16	0					
RANKGeology	16	0	1.25	1.00	1	.577	2
RANKEarthScience	14	2	3.71	4.00	5	1.590	5
RANKGeoScience	16	0	2.81	3.00	2	.834	2
RANKEarthSystem Science	14	2	5.43	6.00	6	.756	2
RANKEnvScience	15	1	3.07	3.00	4	1.335	4
RANKEnvStudies	15	1	4.47	4.00	3(a)	1.187	3

a Multiple modes exist. The smallest value is shown

FirmName

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Arcadis Geraghty & Miller	1	6.3	6.3	6.3
August Mack Environmental, Inci	1	6.3	6.3	12.5
CH2MHILL	1	6.3	6.3	18.8
Clayton Group Services, A Division of Bureau Vistas	1	6.3	6.3	25.0
Commonwealth of Mass.,Department of Envioronmental Protection	1	6.3	6.3	31.3
Conestoga Rovers & Associates	1	6.3	6.3	37.5
Ensafe	1	6.3	6.3	43.8
Environmental Resource Management	1	6.3	6.3	50.0
GAI Consultants, Inc.	1	6.3	6.3	56.3
Groundwater Services	1	6.3	6.3	62.5
JFNew	1	6.3	6.3	68.8
Keramida Environmental	1	6.3	6.3	75.0
Mundell Associates, Inc	1	6.3	6.3	81.3
Parsons	1	6.3	6.3	87.5
SECOR International	1	6.3	6.3	93.8
URS Corporation	1	6.3	6.3	100.0
Total	16	100.0	100.0	

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State

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Atlanta, GA	1	6.3	6.3	6.3
Austin, TX	1	6.3	6.3	12.5
Cincinnati, OH	2	12.5	12.5	25.0
Fort Collins, CO	1	6.3	6.3	31.3
Fort Wayne, IN; PA; WV; VA;FL	1	6.3	6.3	37.5
Houston, TX	1	6.3	6.3	43.8
IN	2	12.5	12.5	56.3
IN (also WI, MI, IL)	1	6.3	6.3	62.5
IN, with offices in OH, MI, PA	1	6.3	6.3	68.8
Indianapolis, IN	4	25.0	25.0	93.8
MA	1	6.3	6.3	100.0
Total	16	100.0	100.0	

TypeBusiness

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Compliance and enforcement of state environmental laws	1	6.3	6.3	6.3
Consulting--watershed management, wetland and stream delineation; stream and wetland creation, restoration, enhancement	1	6.3	6.3	12.5
Consulting	2	12.5	12.5	25.0
Engineering and environmental consulting	1	6.3	6.3	31.3
Engineering and environmental consulting including transportation/civil engineering design, construction inspection, environmental compliance, and contaminated site investigation and cleanup	1	6.3	6.3	37.5
Environmental Engineering	1	6.3	6.3	43.8
Environmental consulting	4	25.0	25.0	68.8
Environmental consulting and earth science related consulting	1	6.3	6.3	75.0
Environmental consulting and engineering, with emphasis on site investigation and remediation and litigation support related to same	1	6.3	6.3	81.3
Environmental consulting, engineering, remediation, municipal engineering, and information technology services	1	6.3	6.3	87.5
Environmental, Health & Safety; technology and management consulting	1	6.3	6.3	93.8
Full service environmental consulting	1	6.3	6.3	100.0
Total	16	100.0	100.0	

HireGeoscientists

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	15	93.8	100.0	100.0
Missing	System	1	6.3		
Total		16	100.0		

NumberGeoscientistHire5Yrs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	6.3	6.7	6.7
	3	1	6.3	6.7	13.3
	4	3	18.8	20.0	33.3
	5	1	6.3	6.7	40.0
	6	1	6.3	6.7	46.7
	8	1	6.3	6.7	53.3
	10	2	12.5	13.3	66.7
	25	1	6.3	6.7	73.3
	50	1	6.3	6.7	80.0
	51	1	6.3	6.7	86.7
	100	2	12.5	13.3	100.0
	Total	15	93.8	100.0	
Missing	System	1	6.3		
Total		16	100.0		

Degree

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	B.S.	5	31.3	31.3	31.3
	B.S. and M.S.	1	6.3	6.3	37.5
	B.S./M.S.	1	6.3	6.3	43.8
	M.S.	7	43.8	43.8	87.5
	M.S. and Ph.D.	1	6.3	6.3	93.8
	M.S.; no official preference	1	6.3	6.3	100.0
	Total	16	100.0	100.0	

RANKGeology

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	13	81.3	81.3	81.3
	2	2	12.5	12.5	93.8
	3	1	6.3	6.3	100.0
	Total	16	100.0	100.0	

RANKEarthScience

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	6.3	7.1	7.1
	2	3	18.8	21.4	28.6
	3	3	18.8	21.4	50.0
	5	6	37.5	42.9	92.9
	6	1	6.3	7.1	100.0
	Total	14	87.5	100.0	
Missing	System	2	12.5		
Total		16	100.0		

RANKGeoScience

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	7	43.8	43.8	43.8
	3	5	31.3	31.3	75.0
	4	4	25.0	25.0	100.0
Total		16	100.0	100.0	

RANKEarthSystemScience

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	12.5	14.3	14.3
	5	4	25.0	28.6	42.9
	6	8	50.0	57.1	100.0
	Total	14	87.5	100.0	
Missing	System	2	12.5		
Total		16	100.0		

RANKEnvScience

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	2	12.5	13.3	13.3
	2	4	25.0	26.7	40.0
	3	2	12.5	13.3	53.3
	4	5	31.3	33.3	86.7
	5	2	12.5	13.3	100.0
	Total	15	93.8	100.0	
Missing	System	1	6.3		
Total		16	100.0		

RANKEvStudies

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	4	25.0	26.7	26.7
	4	4	25.0	26.7	53.3
	5	3	18.8	20.0	73.3
	6	4	25.0	26.7	100.0
	Total	15	93.8	100.0	
Missing	System	1	6.3		
Total		16	100.0		

#	FirmName	State	TypeBusiness	HireGeoscientists	NumberGeoscientist-Yrs	Degree	RANKGeology	RANKEarthScience	RANKGeoScience	RANKEarthSystemScience	RANKEnvScience	RANKEnvStudies
1	Mundell Associates, Inc	IN	Environmental consulting and earth science related consulting	1	1	M.S. and 8 Ph.D.	2	1	1	3	5	4
2	Commonwealth of Mass., Department of Environmental Protection	MA	Compliance and enforcement of state environmental laws	1	1	5 M.S., no official 25 preference	1	2	2	3	4	5
3	August Mack Environmental, Inc	OH, MI, PA	Full service environmental consulting	1	1		1	2	2	3	4	5
4	JFNew	IN (also WI, IL)	waterhed management, wetland and stream delineation, stream and wetland restoration,	1	1	3 M.S.	3	2	2	4	6	1
5	Acadiss Geraghty & Miller	IN	restoration, Environmental consulting	1	1	2 B.S.	1	5	5	3	6	2
6	CH2MHILL	Atlanta, GA	Consulting	1	1	51 M.S.	1	5	5	4	6	2
7	Clayton Group Services, A Division of Bureau Vistas	IN	Environmental consulting,	1	1	4 B.S.	1	5	5	2	6	4
8	Conestoga Rovers & Associates	Indianapolis, IN	consulting, engineering, remediation, municipal engineering, and information technology services	1	1	10 B.S.	1	3	3	2	5	4
9	Ensafe	Cincinnati, OH	Environmental, Health & Safety; technology and management consulting	1	1	B.S. and 50 M.S.	2	5	5	4	6	1
10	Environmental Resource Management	Indianapolis, IN	consulting	1	1	4 M.S.	1	6	6	2	5	3
11	GA Consultants, Inc.	Fort Wayne, IN; PA; WV; VA; FL	Engineering and environmental consulting including transportation/civil engineering design, construction inspection, environmental compliance, and contaminated site investigation and cleanup	1	1	6 B.S.	1	5	5	4	6	2
12	Groundwater Services	Houston, TX	Environmental consulting and engineering, with emphasis on site investigation and remediation and litigation support related to same	1	1	M.S.	1	3	3	2	5	4
13	Parsons	Cincinnati, OH	Environmental consulting	1	1	4 M.S.	1	5	5	3	6	2
14	SECOR International	Fort Collins, CO	Environmental Engineering and environmental consulting	1	1	100 B.S.	1	3	3	2	6	4
15	URS Corporation	Austin, TX	Environmental consulting	1	1	100 M.S.	1			2		3
16	Keramida Environmental	IN	Environmental consulting	1	1	10 B.S./M.S.	1			2		4

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