

**Comparison of Level 2 and Level 3 Qualified Data Collector Requirements -**  
as contained in OAC Rule 3745-4-03

2/28/06

	<b>LEVEL 2 Benthic Macroinvertebrate Biology</b>	<b>LEVEL 3 Benthic Macroinvertebrate Biology</b>	<b>LEVEL 2 Chemical Water Quality Assessment</b>	<b>LEVEL 3 Chemical Water Quality Assessment</b>
<b>General Knowledge</b>	A general knowledge of stream and riverine physical forms and habitat features	A general knowledge of stream and riverine physical forms and habitat features	A general knowledge of stream and riverine physical forms and habitat features	A general knowledge of stream and riverine physical forms and habitat features
<b>Specialized Knowledge</b>		Knowledge of Ohio EPA macroinvertebrate field sampling, laboratory analysis, and data assessment procedures		
	Knowledge of and the ability to accurately use macroinvertebrate taxonomic references and dichotomous keys to identify midwestern aquatic macroinvertebrates to the level of family	Knowledge of and the ability to accurately use macroinvertebrate taxonomic references and dichotomous keys to identify midwestern aquatic macroinvertebrates to the level of taxonomy used by Ohio EPA		
<b>Training by Ohio EPA or Authorized Person</b>	Within 180 days prior to application, achieved a passing mark in a macroinvertebrate taxonomic identification examination administered by Ohio EPA or a person authorized under this chapter to administer such an examination.	Maintained qualifications to conduct macroinvertebrate assessments as a Certified Professional in the Voluntary Action Program (pursuant to rule 3745-300-05) or, within the last two years, attended training and achieved a passing mark in an equivalent training program offered by Ohio EPA or a person authorized under this chapter to administer such training.		

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	<b>LEVEL 2 Benthic Macroinvertebrate Biology</b>	<b>LEVEL 3 Benthic Macroinvertebrate Biology</b>	<b>LEVEL 2 Chemical Water Quality Assessment</b>	<b>LEVEL 3 Chemical Water Quality Assessment</b>
<b>College or Practical Experience</b>	College-level course credit in aquatic invertebrate zoology or practical experience in the identification of aquatic macroinvertebrates	College-level course credit in aquatic invertebrate zoology or two years practical experience in the identification of aquatic macroinvertebrates	Completed and achieved passing marks in undergraduate core course work in a biological, chemical, natural or physical science, or has two years of pertinent laboratory experience performing water quality testing and analysis, or has two years of pertinent experience in chemical water quality data analysis, interpretation and report writing	Completed and achieved passing marks in undergraduate core course work in a biological, microbiological, chemical, natural or physical science, or has four years of pertinent laboratory experience performing water quality testing and analysis, or has four years of pertinent experience in chemical water quality data analysis, interpretation and report writing
<b>Practical Experience</b>	Completed and achieved passing marks in undergraduate core course work in limnology, aquatic biology, environmental sciences or a related discipline, or has two years practical experience in environmental assessment work	Completed and achieved passing marks in undergraduate core course work in limnology, aquatic biology, environmental sciences or a related discipline, or has two years practical experience in environmental assessment work	Two years of practical experience involving work in developing chemical water quality sampling and analysis plans, quality assurance plans, and data quality objectives processes	Two years of practical experience involving work in developing microbiological or chemical water quality sampling and analysis plans, quality assurance plans, and data quality objectives processes
			Two years of practical experience involving water quality sampling techniques and water quality sampling equipment	Two years of practical experience involving water quality sampling techniques and water quality sampling equipment