

Name _____ Date _____

Project Data Table Answer Key

Site	Average Dissolved oxygen (mg/L)	Nitrate Levels (mg/L)	Water Flow (miles)	Four common land cover types in 10 km radius around site		
				Land Cover	%	km2
Annapolis, Maryland	9.4	1.0	8.3	Low Intensity Urban*	34.7**	64.79
				Deciduous Forest	21.4	38.95
				Woody Wetlands	17.6	32.86
				High Intensity Urban	8.92	16.64
Havre de Grace, Maryland	8.14	.76	2.7	Deciduous Forest	35.5	64.79
				Low Intensity Urban	23.9	38.95
				Pasture/hay	10.3	32.86
				Cropland	10.1	16.64
Scotland, St. Mary's County, Maryland	11.35	5.0	2	Cropland	23.3	18.42
				Evergreen Forest	15.7	12.38
				Woody Wetlands	14.2	11.22
				Low Intensity Urban	12.8	10.12

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* The Action Plan addresses four types of land cover: Cropland, Pasture/hay, high intensity developed, and low intensity developed. It is helpful for students to highlight these land cover types to help them make their decision and to understand that the other types of land cover will be left alone.

** All values are estimates. It will be difficult for students to draw a circle with exactly a 10 km radius. As a result, the percentages of the top four land cover types for each site should be similar to this spreadsheet but may not be exactly the same.

Project Data Table Answer Key, continued

Site	Average Dissolved oxygen (mg/L)	Nitrate Levels (mg/L)	Water Flow (miles)	Four common land cover types in 10 km radius around site		
				Land Cover	%	km2
Alexandria, Alexandria County, Virginia	9.15	2.50	133	Low Intensity Urban	53.5	143.65
				High Intensity Urban	25.4	68.35
				Deciduous Forest	13.5	36.22
				Woody Wetlands	3.89	10.45
Norfolk, Virginia	8.33	2.50	15	Low Intensity Urban	58.6	161.46
				High Intensity Urban	26.1	71.82
				Open Water	4.85	13.34
				Woody Wetlands	4.12	11.34
Jamestown, Virginia	10.20	2.50	43	Deciduous Forest	24.4	47.76
				Low Intensity Urban	18.2	35.64
				Woody Wetlands	15.4	30.05
				Cropland	8.78	17.15

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