ES301 Final Portfolio Grade Sheet

Name _____

Grapher Tutorial Scatter plot / line plot Scatter plot / point modification Scatter plot with labels Scatter plot with lines, points, labels Combination Line / Bar Graph Lab Exercise Ternary Diagrams QFL Data renormalization / hand plot Grapher QFL Diagram Waltham Ternary Plot Exercise (7 plots of petrologic chemistry data) Surfer Tutorial Demo Contour Map (data, grid, map) Demo Contour Map with Color Fill Demo Wireframe Map Demo Wireframe with Color Fill Zones Demo Post / Contour Map Overlay Demo 3D Surface Map Surfer DEM Lab Exercise DEM / contour map of Monmouth quad Marys Peak Contour Map Marys Peak Shaded Relief Marys Peak Vector Marys Peak Contour / Vector Overlay Hometown quad contour map Hometown quad shaded relief Hometown vector map Hometown quad contour / vector overlay Geostatistics Reading Questions Intro questions Frequency raw/% calculations Intro / definition questions Geostatistics Example Problems Temperature frequency distribution Grapher bar-freq. diagram Grapher scatter plot Stat. summary calculations Excel Frequency Distribution Excel Cumulative Frequency Distribution Excel Weighted Mean Calculations Normal Distribution Sketch Graph Excel Regression Equation / Line Fit Hillslope / Data Analysis Lab Example histogram / frequency calculations Example T-test analysis Appalachian Hillslope Data Statistical Summary Appalachian Hillslope Data T-Test Appalachian Hillslope Written Summary / Concluding Questions Final Integrated Lab Project Task1 Mt. Bachelor Contour Map 10-ft Mt. Bachelor Contour Map 20-ft Mt. Bachelor Shaded Relief 335 sun azimuth Mt. Bachelor Shaded Relief 200 sun azimuth Mt. Bachelor Wireframe Mt Bachelor Contour/Vector Overlay Task 2 Rose Diagram / fracture data Task 3 - Appalachian Morphometry Exercise X-Y Plot of Drainage Area (y axis) vs. Slope (x axis) Fernow Area (with linear regression) X-Y Plot of Drainage Area (y axis) vs. Slope (x axis) North Fork Area (with linear regression) X-Y Plot of Drainage Area (y axis) vs. Slope (x axis) Little River Area (with linear regression) X-Y Plot of Valley Width (y axis) vs. Distance from Divide (x axis) Fernow Area (with linear regression) X-Y Plot of Valley Width (y axis) vs. Dist. From Divide (x axis) North Fork Area (with linear regression) X-Y Plot of Valley Width (y axis) vs. Dist. From Divide (x axis) Little River Area (with linear regression) Rose Diagram of Hillslope Aspect Fernow Area Rose Diagram of Hillslope Aspect North Fork Area Rose Diagram of Hillslope Aspect Little River Area Polar Plot of Slope Gradient vs. Aspect Fernow Area Polar Plot of Slope Gradient vs. Aspect North Fork Area Polar Plot of Slope Gradient vs. Aspect Little River Area X-Y Plot of Slope Length (y axis) vs. Hillslope Gradient (x axis) Fernow Area (with linear regression) X-Y Plot of Slope Length (y axis) vs. Hillslope Gradient (x axis) North Fork Area (with linear regression) X-Y Plot of Slope Length (y axis) vs. Hillslope Gradient (x axis) Little River Area (with linear regression) Hillslope Statistical Summary Data Task 4 - Newberry Cone Analysis Cone Distance between cone 1 and cones 2-296

Cone Azimuth between cone 1 and cones 2-296