

GIS Day Across Clues

Across	Clues
1	Mapping addresses, places, or lat-long from a table
6	State where you need to watch your step if you are mapping the Grand Canyon.
7	A _____ API allows you to work with hosted published data services.
10	Power ___ visualization software.
13	Acronym for bad data and its results.
14	A portal of a community that uses a free, open source distributed version control system designed to develop projects and share code.
17	Computer memory storage for running your GIS jobs.
18	A reference from which spatial measurements are made.
20	GIS services can be served as these endpoints.
22	GIS began running on this hardware in the early 1990s.
24	Outcome mapping.
26	A type of data storage by cells, or pixels.
28	Software Development Kit.
29	A type of image format, often a geo-_____.
31	Organizational Assessment.
33	_____ Facilities Management; early term for infrastructure GIS.
34	Symbolizing 2D polygons by an attribute into a 3D scene.
35	Abbreviation for real time data acquisition.
36	Standard file format for storing Lidar data.
38	Data Record.
41	Outside diameter, or a matrix that finds and measures the least-cost paths along the network from multiple origins to multiple end-points.
43	North-South, _____.
44	Map the counties in this state and you will have 254 polygons!
45	Abbreviation of former journal that morphed into the journal xyHT.
46	Allows creating features that connect to each other.
47	Data Base Format file extension.
48	Software _____. A set of software tools and programs used by developers to create applications for specific platforms.
49	Information Technology; often the department that administers a GIS license.
51	Less (than) or equal, in an expression.
52	A “_____ out” in some street databases indicating a segment that ends without intersecting another street.
55	The symbology, as termed in ArcGIS Online; how the map appears.
57	Health professional that would use GIS for ambulance routing.
58	Areas showing statistically significant difference (no plural).
61	One of the key tools for a GIS professional, containing some or all elements of TODALSIGS.

62	37 watersheds that provide long-term measurements of streamflow and water quality in areas that are minimally affected by human activities and thus provide a “standard of measure”.
63	A reference point, or request for proposal.
65	___ finding, a fairly common street type, or ___ back historical satellite imagery.
66	Originally a term to designate the line segment between two nodes; then ___ Info, ___ View, ___ Map, or now, ___ GIS.
68	The attribute ___ is the “I” part of GIS.
69	File extension for a ArcGIS Pro project.
70	A loop or section of computer code in which an instruction or group of instructions is executed repeatedly.
72	A type of GIS file commonly used to store elevation data.
73	First letters, in English, of the first two cardinal directions normally given in everyday speech.
76	___ data that typically are characterized by volume, variety, veracity, and velocity.
79	A baseline 3D mapped ecosystem of the ocean that has been classified through statistical clustering.
80	Great place for mapping one of its 10,000 lakes.
81	This organization sets standards, including for mapping.
82	This diagram is for a vertical cross-section of a collection of surfaces.
86	Urban Planning; or, Yoo-Pers Homeland.
87	You might hold and use this device to activate a piece of field equipment or unlock a car.
90	Between east and northeast.
92	A more common name for UAS or UAV.
94	People often map hurricanes, pythons, or perimeters of wetlands here.
95	A fundamental function of a GIS, harkening back to Ian McHarg’s Design with Nature.
96	The limit of a GIS polygon, or the farthest limit that a map shows.
98	On a diagram showing the nesting of Artificial Intelligence and Deep Learning, this one is in the middle, between AI and DL.
99	A suitable question for a GIS would be, “Which way could I route vehicles ___ China Grove?”
100	The most common two-letter road name abbreviation in the USA.
101	You can adjust the ___ speed for your drone; or, a 1989 song by the B-52s.
102	A coordinate system for nearly the whole world containing wedge-shaped zones, and in meters.
104	Greater Than, in an expression.
105	A global association of cartographers.
106	Map projection created by a long-time professor at the University of Wisconsin as a compromise between an equal-area and a conformal projection.

108	A subset of features in a feature class, or objects in a table, that share the same attributes; used as a method to categorize your data.
109	Panes may be docked on opposite ___s of the ArcGIS Pro window or one may be stacked on top of the other.

Cross Word Down Clues	
Down	
1	The science of accurately measuring and understanding three fundamental properties of the Earth: its geometric shape, its orientation in space, and its gravity field— as well as the changes of these properties with time.
2	Operating System.
3	Early, widely-used vector data sets from USGS on transportation, hydrography, contours, and other themes, with major-minor attribute code pairs.
4	A process that attaches a known coordinate system to a scanned map or aerial image.
5	Shorthand for agricultural data.
8	Enhanced Thematic Mapper on Landsat.
9	The first nationwide digital street database with address ranges, from and to nodes, and left and right side polygons.
11	The third state beginning with M if the M states are sorted alphabetically.
12	ArcGIS ___ is a cloud-based engagement platform that enables organizations to communicate more effectively.
15	The Internet of Things.
16	A versatile scripting language that is a part of the ArcGIS platform.
21	The error code that was used in civilian GPS until the year 2000.
23	Tool that calculates distance and additional proximity information between the input features and the closest feature in another layer or feature class.
25	Zone 1 in this coordinate system begins at 180 degrees West Longitude and stretches 6 degrees of longitude to the east.
27	From origin ___ destination.
30	Augmented Reality.
32	A language ingestible by many GIS software sets, created by Keyhole, then Google.
37	Multimedia, cloud-based web mapping application that explains a problem, place, program, or issue, in wide use globally.
39	Data that describes the behavior of people in an area, such as a zip code or block group.
40	Upper air; or user activity.
41	A web mapping application that provides a dynamic visualization of a phenomenon or issue, usually in real time and usually as a single or small number of screens, containing maps, charts, images, graphs, and other items.
42	Application Programming Interface.
43	Earthquake epicenters, flood stage, traffic, and wildfire perimeters are examples of GIS data that is streamed in ____ (drop the first letter).
48	Feature Manipulation Engine.
50	A single straight line segment contains ___ nodes.
53	Land Survey.
54	A university in the largest city in Texas, named for that city.
55	Abbreviation for common type of vector GIS dataset; pre-dates a gdb.
56	Minimum Mapping Boundary.
56	___ determined.
59	Versatile, powerful coding language commonly used in GIS.
60	The first two letters in a field emerging from design and CAD; focused on interior spaces: ___ Modeling.
64	Abbreviation for ArcMap map document.
65	Web Object Management.
67	Good place where you could map "Fourteeners", ski areas, and the Mile High City.
69	Artificial Intelligence.
71	Keeping track of these browser items in web-based mapping is one key to success.
74	Hydrography—rivers and lakes, could be considered a data ____.
75	The direction to which a slope faces.

76	A proximity zone.
77	Abbreviation for common type of vector GIS dataset that emerged around 2000.
78	Six map projections that are pseudocylindrical, the latitudes are parallel lines; in the odd-numbered projections, the latitudes are equally spaced, while their even-numbered counterparts are equal-area.
83	An entity in a GIS vector model; it could be a point, line, or polygon.
84	A mathematical construct for representing geographic objects or surfaces as data, and the process of spatial analyses that can be used on that data.
85	Attributes in network analysis that are used to measure and model impedances, such as travel time or demand.
88	If your first use of GIS was in the days of minicomputers and digitizing tablets, congratulations! You can safely be considered _____ but a lifelong learner!
91	National Lands; or, The Netherlands.
93	End Point.
97	A tool that can be used to remove lines or points from the input features.
98	Minimum Mapping Boundary.
100	In early days of geocoding, the spelling of this abbreviation caused some grief due to many variant spellings and punctuation; denotes holiness.
104	Acronym for GPS, GLONASS, Galileo, and other similar systems.
105	Image Subsystem Interface.
107	An early GIS file format from Tape Address Register, denoting that the files originally came from magnetic tape.