



Figure 2 - 10 Structured Data

GIS software organizes point, line and polygon data into layers and add structures to the data.

Attributes of contour arc

FID	Shape	FNODE#	TNODE#	LPOLY#	RPOLY#	LENGTH	CONTOUR#	CONTOUR-ID	CODE	ELEVATION	D_FLAG
1	Polyline	8	7	0	0	76.785548	1	3268	7120	1030	0
2	Polyline	44	43	0	0	34.941456	2	3270	7120	820	0
3	Polyline	5	4	0	0	143.708184	3	3267	7120	1020	0
4	Polyline	77	76	0	0	21.882397	4	3273	7120	760	0
5	Polyline	79	78	0	0	42.474513	5	3274	7120	760	0
6	Polyline	15	16	0	0	116.543875	6	374	7120	1090	0
7	Polyline	59	58	0	0	160.823294	7	3272	7120	740	0
8	Polyline	1	172	0	0	74.126947	8	3266	7120	1020	0
9	Polyline	87	86	0	0	260.279726	9	3277	7120	780	0
10	Polyline	124	125	0	0	57.469072	10	3278	7120	630	0
11	Polyline	168	167	0	0	44.413465	11	3279	7120	710	0
12	Polyline	85	84	0	0	182.118394	12	3276	7120	780	0
13	Polyline	45	42	0	0	241.203004	13	3271	7120	830	0
14	Polyline	68	67	0	0	287.059804	14	383	7120	810	0
15	Polyline	80	75	0	0	503.442494	15	3107	7110	750	0
16	Polyline	88	83	0	0	600.550860	16	382	7120	770	0
17	Polyline	173	171	0	0	75.224302	17	556	7120	730	0
18	Polyline	2	174	0	0	208.362989	18	3269	7120	1010	0
19	Polyline	89	82	0	0	693.736351	19	3275	7120	760	0
20	Polyline	176	170	0	0	156.635783	20	396	7120	720	0
21	Polyline	90	81	0	0	863.611073	21	2930	7110	750	0
22	Polyline	175	175	0	0	367.868171	22	3284	7120	1090	0
23	Polyline	180	177	0	0	58.915105	23	3288	7120	720	0
24	Polyline	181	183	0	0	29.138690	24	3290	7120	1010	0
25	Polyline	14	17	0	0	699.555641	25	375	7120	1080	0
26	Polyline	13	18	0	0	838.734092	26	376	7120	1070	0
27	Polyline	185	185	0	0	247.847634	27	3652	7120	820	0
28	Polyline	110	109	0	0	676.438967	28	1865	7120	590	0

Record: 55 Show: All Selected Records (0 out of 1503 Selected) Options

Figure 2 - 11 Database for Point, Line and Polygon Data

Every single data is recorded into database, so that not only positions, but relations with the adjoining objects can be identified.