

UC



Tips and Tricks for Working with Tables in ArcGIS Pro

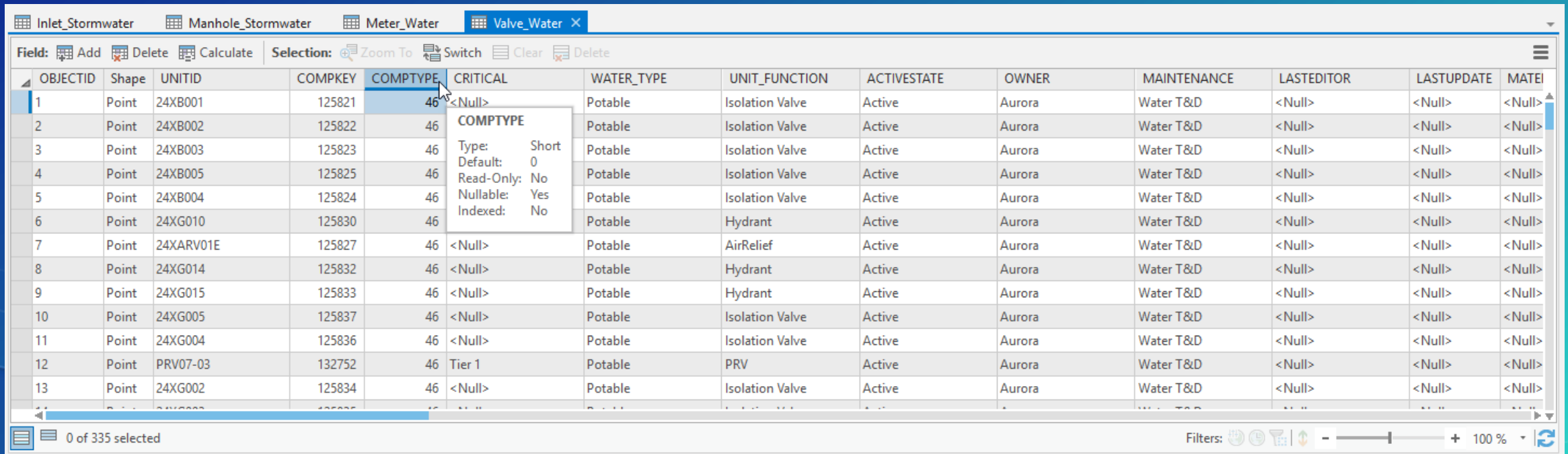
Alycia Rajendran

Agenda

- Easy Data Management
 - Direct editing
 - Re-ordering fields
 - Show/Hide fields
- Fast Data Retrieval
 - Deferred scrolling
 - Unknown row counts
- Effective Data Visualization
 - Highlighting selection sets
 - Filter indicators
 - Definition queries

Easy Data Management

Re-ordering Fields



The screenshot shows a data management application with a table of water system components. The table has columns: OBJECTID, Shape, UNITID, COMKEY, COMPTYPE, CRITICAL, WATER_TYPE, UNIT_FUNCTION, ACTIVESTATE, OWNER, MAINTENANCE, LASTEDITOR, LASTUPDATE, and MATEI. The 'COMPTYPE' column is highlighted, and a tooltip is visible over it. The tooltip shows the following information:

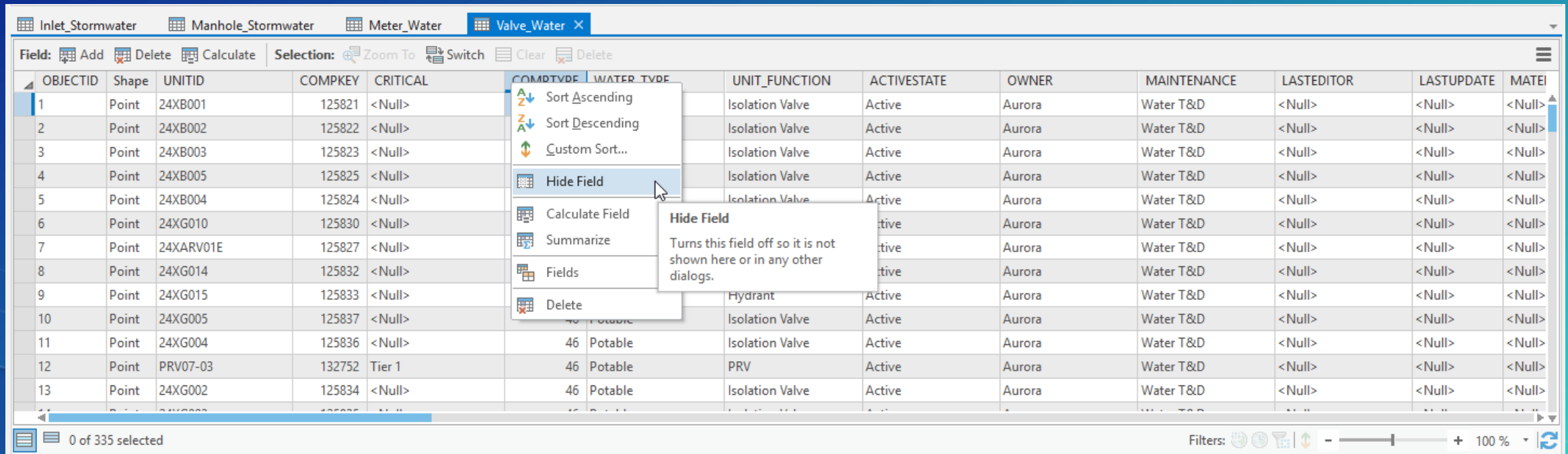
- COMPTYPE
- Type: Short
- Default: 0
- Read-Only: No
- Nullable: Yes
- Indexed: No

The table contains 13 rows of data. The first row is selected. The status bar at the bottom indicates '0 of 335 selected' and 'Filters: 100 %'.

OBJECTID	Shape	UNITID	COMKEY	COMPTYPE	CRITICAL	WATER_TYPE	UNIT_FUNCTION	ACTIVESTATE	OWNER	MAINTENANCE	LASTEDITOR	LASTUPDATE	MATEI
1	Point	24XB001	125821	46	<Null>	Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
2	Point	24XB002	125822	46	<Null>	Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
3	Point	24XB003	125823	46	<Null>	Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
4	Point	24XB005	125825	46	<Null>	Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
5	Point	24XB004	125824	46	<Null>	Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
6	Point	24XG010	125830	46	<Null>	Potable	Hydrant	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
7	Point	24XARV01E	125827	46	<Null>	Potable	AirRelief	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
8	Point	24XG014	125832	46	<Null>	Potable	Hydrant	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
9	Point	24XG015	125833	46	<Null>	Potable	Hydrant	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
10	Point	24XG005	125837	46	<Null>	Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
11	Point	24XG004	125836	46	<Null>	Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
12	Point	PRV07-03	132752	46	Tier 1	Potable	PRV	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
13	Point	24XG002	125834	46	<Null>	Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>

Easy Data Management

Show/Hide Fields



The screenshot shows a data management application window with a table of water infrastructure data. The 'Valve_Water' tab is active. A context menu is open over the 'COMDTYPE' column, showing options like 'Sort Ascending', 'Sort Descending', 'Custom Sort...', 'Hide Field', 'Calculate Field', 'Summarize', 'Fields', and 'Delete'. The 'Hide Field' option is highlighted, and a tooltip explains: 'Turns this field off so it is not shown here or in any other dialogs.' The table has 13 rows of data. The status bar at the bottom indicates '0 of 335 selected' and 'Filters: 100 %'.

OBJECTID	Shape	UNITID	COMPKEY	CRITICAL	COMDTYPE	WATER TYPE	UNIT_FUNCTION	ACTIVESTATE	OWNER	MAINTENANCE	LASTEDITOR	LASTUPDATE	MATEI
1	Point	24XB001	125821	<Null>			Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
2	Point	24XB002	125822	<Null>			Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
3	Point	24XB003	125823	<Null>			Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
4	Point	24XB005	125825	<Null>			Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
5	Point	24XB004	125824	<Null>			Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
6	Point	24XG010	125830	<Null>				Active	Aurora	Water T&D	<Null>	<Null>	<Null>
7	Point	24XARV01E	125827	<Null>				Active	Aurora	Water T&D	<Null>	<Null>	<Null>
8	Point	24XG014	125832	<Null>				Active	Aurora	Water T&D	<Null>	<Null>	<Null>
9	Point	24XG015	125833	<Null>			Hydrant	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
10	Point	24XG005	125837	<Null>			Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
11	Point	24XG004	125836	<Null>		46 Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
12	Point	PRV07-03	132752	Tier 1		46 Potable	PRV	Active	Aurora	Water T&D	<Null>	<Null>	<Null>
13	Point	24XG002	125834	<Null>		46 Potable	Isolation Valve	Active	Aurora	Water T&D	<Null>	<Null>	<Null>

Easy Data Management

Deferred Scrolling

bison-California.csv X

Field: Add Delete Calculate Selection: Zoom To Switch Clear Delete

bisonID	basisOfRecord	catalogNumber	collectorNumber	recordedBy	providerID	institutionCode	resourceID	ownerInstitutionColl	eventDate	year	verbatimEventDate	providedScienti
1189371976	observation	OBS273804397	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-09-28T02:00Z	2014	<Null>	Zonotrichia leuc
257759793	observation	OBS68575525	<Null>	obsr141784	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	1982-05-01T02:00Z	1982	<Null>	Tyrannus vocifer
604497252	observation	OBS117201345	<Null>	obsr135179	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2011-05-02T02:00Z	2011	<Null>	Sturnus vulgaris
184089703	observation	OBS56453179	<Null>	obsr158843	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2006-10-01T02:00Z	2006	<Null>	Sturnus vulgaris
262302732	observation	OBS73317325	<Null>	obsr169238	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	1987-05-19T02:00Z	1987	<Null>	Contopus sordid
210037935	observation	OBS66831406	<Null>	obsr158843	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2003-05-17T02:00Z	2003	<Null>	Actitis maculari
949352141	observation	OBS193005565	<Null>	obsr339928	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2013-04-21T02:00Z	2013	<Null>	Catharus guttatu
257743837	observation	OBS91635692	<Null>	obsr125057	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2010-05-08T02:00Z	2010	<Null>	Buteo jamaicens
1168729864	observation	OBS251068799	<Null>	obsr513452	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-05-03T02:00Z	2014	<Null>	Calypte costae (l
1163021603	observation	OBS244035459	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-04-06T02:00Z	2014	<Null>	Streptopelia dec
1166069749	observation	OBS248110253	<Null>	obsr102797	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-04-24T02:00Z	2014	<Null>	Tyrannus vocifer
1163022945	observation	OBS244035445	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-04-06T02:00Z	2014	<Null>	Troglodytes aed
261846141	observation	OBS90422317	<Null>	obsr154033	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2010-04-24T02:00Z	2010	<Null>	Streptopelia dec
1191432619	observation	OBS276107851	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-10-12T02:00Z	2014	<Null>	Haemorrhous me
1163021288	observation	OBS244035442	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-04-06T02:00Z	2014	<Null>	Sturnus vulgaris

0 of *2000 selected Load All

Filters: 100 %

Scanning...

Easy Data Management

Large Datasets and Unknown Row Counts

bison-California.csv

Field: Add Delete Calculate Selection: Zoom To Switch Clear Delete

bisonID	basisOfRecord	catalogNumber	collectorNumber	recordedBy	providerID	institutionCode	resourceID	ownerInstitutionColle	eventDate	year	verbatimEventDate	providedScienti
1189371976	observation	OBS273804397	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-09-28T02:00Z	2014	<Null>	Zonotrichia leuc
257759793	observation	OBS68575525	<Null>	obsr141784	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	1982-05-01T02:00Z	1982	<Null>	Tyrannus vocifer
604497252	observation	OBS117201345	<Null>	obsr135179	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2011-05-02T02:00Z	2011	<Null>	Sturnus vulgaris
184089703	observation	OBS56453179	<Null>	obsr158843	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2006-10-01T02:00Z	2006	<Null>	Sturnus vulgaris
262302732	observation	OBS73317325	<Null>	obsr169238	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	1987-05-19T02:00Z	1987	<Null>	Contopus sordid
210037935	observation	OBS66831406	<Null>	obsr158843	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2003-05-17T02:00Z	2003	<Null>	Actitis maculari
949352141	observation	OBS193005565	<Null>	obsr339928	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2013-04-21T02:00Z	2013	<Null>	Catharus guttatu
257743837	observation	OBS91635692	<Null>	obsr125057	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2010-05-08T02:00Z	2010	<Null>	Buteo jamaicens
1168729864	observation	OBS251068799	<Null>	obsr513452	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-05-03T02:00Z	2014	<Null>	Calypste costae (l
1163021603	observation	OBS244035459	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-04-06T02:00Z	2014	<Null>	Streptopelia dec
1166069749	observation	OBS248110253	<Null>	obsr102797	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-04-24T02:00Z	2014	<Null>	Tyrannus vocifer
1163022945	observation	OBS244035445	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-04-06T02:00Z	2014	<Null>	Troglodytes aed
261846141	observation	OBS90422317	<Null>	obsr154033	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2010-04-24T02:00Z	2010	<Null>	Streptopelia dec
1191432619	observation	OBS276107851	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-10-12T02:00Z	2014	<Null>	Haemorhous me
1163021288	observation	OBS244035442	<Null>	obsr348020	602	Cornell Lab of Ornith...	602,201691	EOD - eBird Observat...	2014-04-06T02:00Z	2014	<Null>	Sturnus vulgaris

0 of *2000 selected Load All

Filters: 100 %

Effective Data Visualization

Highlighting Selection Sets

Manhole_Stormwater													
Field: Add Delete Calculate				Selection: Zoom To Switch Clear Delete				Highlighted: Unselect Reselect Zoom To Clear Delete					
OBJECTID	Shape	UNITID	COMPKEY	COMPTYPE	CRITICAL	UNIT_FUNCTION	ACTIVESTATE	OWNER	MAINTENANCE	LASTEDITOR	LASTUPDATE	DIAMETER	DIAMETER2
138	Point Z	p	0	30	<Null>	<Null>	Active	Private	Other	<Null>	<Null>	<Null>	<Null>
1	Point Z	22Y-M03	147383	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
2	Point Z	23Y-M03	147384	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
3	Point Z	23Y-M02	147385	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
4	Point Z	23Y-M01	147386	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
5	Point Z	23X-M59	147387	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
6	Point Z	23X-M58	147388	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
148	Point Z	23X-M57	147389	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
7	Point Z	23X-M56	147390	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
8	Point Z	23X-M55	147391	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
9	Point Z	23X-M54	147392	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
10	Point Z	23X-M53	147393	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
11	Point Z	23X-M52	147394	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
12	Point Z	23X-M51	147395	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>
13	Point Z	23X-M50	147396	30	<Null>	<Null>	Active	Aurora	Stormwater	<Null>	<Null>	<Null>	<Null>

34 of 152 selected

Filters: 100 %

Effective Data Visualization

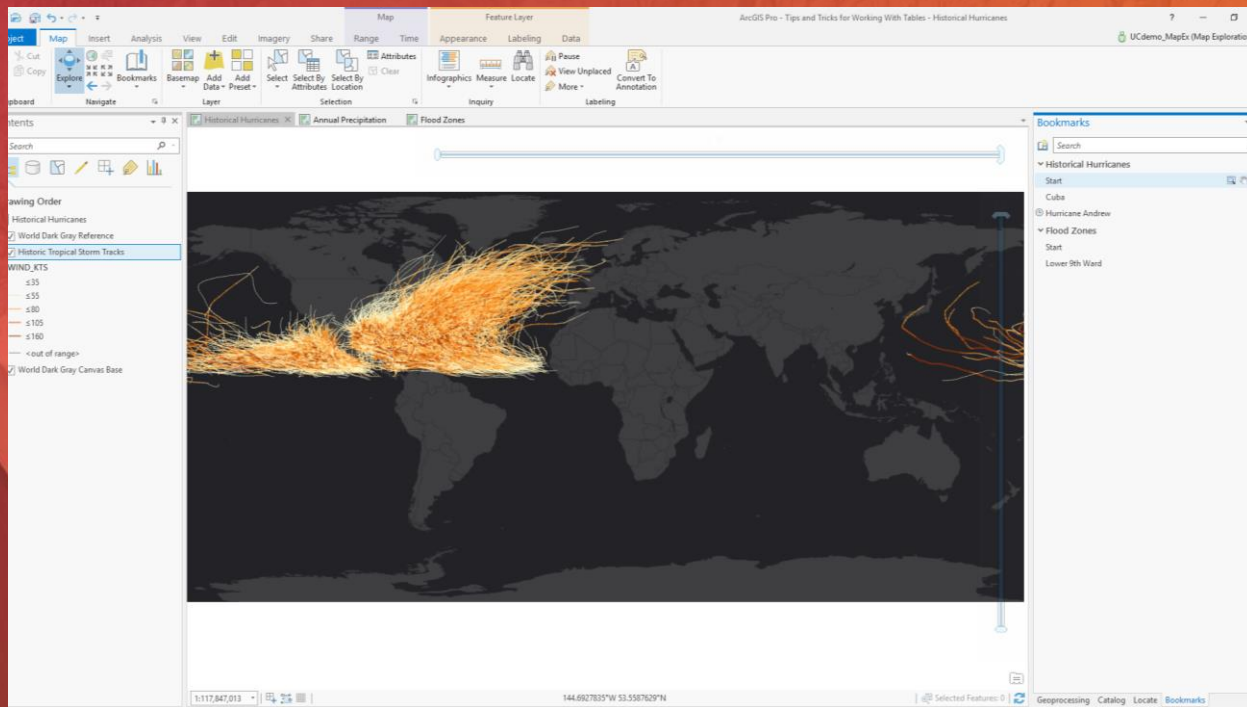
Historic Tropical Storm Tracks

Field: Add Delete Calculate Selection: Zoom To Switch Clear Delete

OBJECTID	Shape	FID_1	YEAR	MONTH	DAY	AD_TIME	BTID	NAME	LAT	LONG	WIND_KTS	PRESSURE	CAT	BASIN	Shape_Leng	DAY2
1	Polyline	1	1992	9	11	1200Z	599	INIKI	18.2	-160.2	120	939	H4	Eastern Pacific	1.315295	11
2	Polyline	2	1992	9	11	1800Z	599	INIKI	19.5	-160	125	938	H4	Eastern Pacific	2.009975	11
3	Polyline	3	1992	9	12	0000Z	599	INIKI	21.5	-159.8	115	945	H4	Eastern Pacific	2.236068	12
4	Polyline	4	1993	7	24	1800Z	613	EUGENE	19.3	-158	25	1010	TD	Eastern Pacific	2.002498	24
5	Polyline	5	1993	8	14	0000Z	614	KEONI	12.3	-157	60	0	TS	Eastern Pacific	1.456022	14
6	Polyline	6	1993	8	14	0600Z	614	KEONI	12.7	-158.4	60	0	TS	Eastern Pacific	1.334166	14
7	Polyline	7	1993	8	14	1200Z	614	KEONI	13	-159.7	60	0	TS	Eastern Pacific	1.334166	14
8	Polyline	8	1993	8	14	1800Z	614	KEONI	13.3	-161	70	0	H1	Eastern Pacific	1.529706	14
9	Polyline	9	1993	8	15	0000Z	614	KEONI	13.6	-162.5	75	0	H1	Eastern Pacific	1.513275	15
10	Polyline	10	1993	8	15	0600Z	614	KEONI	13.8	-164	80	0	H1	Eastern Pacific	1.30384	15
11	Polyline	11	1993	8	15	1200Z	614	KEONI	13.9	-165.3	90	0	H2	Eastern Pacific	1.403567	15
12	Polyline	12	1993	8	15	1800Z	614	KEONI	14	-166.7	90	0	H2	Eastern Pacific	1.403567	15
28	Polyline	28	1994	7	22	0600Z	628	EMILIA	16.9	-157.2	100	980	H3	Eastern Pacific	0.943398	22
29	Polyline	29	1994	7	22	1200Z	628	EMILIA	17.4	-158	85	990	H2	Eastern Pacific	0.943398	22
30	Polyline	30	1994	7	22	1800Z	628	EMILIA	17.0	-158.8	75	995	H1	Eastern Pacific	0.806226	22

0 of *2000 selected Load All

Filters: [Icons] - + 100 %



Historical Hurricanes

1851-2008

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Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"





Thank you!

Alycia Rajendran
arajendran@esri.com



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THE
SCIENCE
OF
WHERE