

Master Address File for Snohomish County

Background

In Ada County, Idaho there was an agreement created that government agencies that maintain GIS data for addresses should store their GIS data in a common format. The schema was created after looking at USPS standards, USGS and input from group members. The main purpose of the standard was to provide a complete and uniform master list of addresses for Ada County dispatch. Representatives from Boise, Ada County (which handles addresses for Ada County, and a few smaller towns) and Meridian all signed the agreement that we would share our addresses daily in this schema to a site location and the three files would be compiled daily into one unified address file. Despite the fact there were a few issues with the schema, it worked really well in getting us all to share our addresses daily and dispatch had a much more complete dataset to use.

Proposed Plan for Snohomish County

I would like to set up something similar for Snohomish County. The existing county dispatch address file mostly follows these NENA guidelines. There are a few changes I would like to make such as incorporating some of the changes from the new NENA address standard into our countywide address dataset and create a true primary key that is globally unique.

By using this agreement format we can set up a schema that will hold the compilation of Snohomish County addresses that works for Dispatch and other stakeholders. However, by using common database methods you can easily translate your address file into the countywide schema.

Descriptive Name	Field Name	M/C/O	Type	Field Width
Source of Data	Source	M	T	75
Date Updated	DateUpdate	M	D	20
Effective Date	Effective	O	D	20
Expiration Date	Expire	O	D	20
Site NENA Globally Unique ID	Site_NGUID	M	T	100
Country	Country	M	T	2
State	State	M	T	2
County	County	M	T	40
Additional Code	AddCode	C	T	6
Additional Data URI	AddDataURI	C	T	254
Incorporated Municipality	Inc_Muni	M	T	100
Unincorporated Community	Uninc_Comm	O	T	100
Neighborhood Community	Nbrhd_Comm	O	T	100

Descriptive Name	Field Name	M/C/O	Type	Field Width
Address Number Prefix	AddNum_Pre	C	T	15
Address Number	Add_Number	C	N	6
Address Number Suffix	AddNum_Suf	C	T	15
Street Name Pre Modifier	St_PreMod	C	T	15
Street Name Pre Directional	St_PreDir	C	T	9
Street Name Pre Type	St_PreTyp	C	T	25
Street Name Pre Type Separator	St_PreSep	C	T	20
Street Name	StreetName	C	T	60
Street Name Post Type	St_PosTyp	C	T	25
Street Name Post Directional	St_PosDir	C	T	9
Street Name Post Modifier	St_PosMod	C	T	25
Legacy Street Name Pre Directional ¹	LSt_PreDir	C	T	2
Legacy Street Name ¹	LSt_Name	C	T	75
Legacy Street Name Type ¹	LSt_Type	C	T	5
Legacy Street Name Post Directional ¹	LStPosDir	C	T	2
ESN ¹	ESN	C	T	5
MSAG Community Name ¹	MSAGComm	C	T	30
Postal Community Name	Post_Comm	C	T	40
Postal Code	Post_Code	C	T	7
ZIP Plus 4	Post_Code4	O	T	4
Building	Building	O	T	75
Floor	Floor	O	T	75
Unit	Unit	O	T	75
Room	Room	O	T	75
Seat	Seat	O	T	75
Additional Location Information	Addtl_Loc	O	T	225
Complete Landmark Name	LandmkName	C	T	150
Mile Post	Mile_Post	C	T	150
Place Type	Place_Type	O	T	50
Placement Method	Placement	O	T	25
Longitude	Long	O	F	-
Latitude	Lat	O	F	-
Elevation	Elev	O	N	6

Descriptive Name	Field Name	M/C/O	Type	Field Width
Site NENA Globally Unique ID (Site_NGUID)	Complete Landmark Name			
SITE72@911Authority_domain.fl.us	James A Haley Veterans Hospital			
SITE75@911Authority_domain.fl.us	University of South Florida Sun Dome			

Figure Error! No text of specified style in document.-1 Example of Complete Landmark Names with their unique IDs in the Site/Structure Address Points layer

Idaho Address Data Standard

ADDPFX	TEXT/STRING	3	NO	Address Prefix – rare	N,S,E,W,NE,NW,SE,SW, ½, ¼ A, B, C, . . .
ADDNUM	LONG INTEGER		no	Address number	1; 26; 125; 1501; 10545
ADDSFX	TEXT/STRING	3	no	Address Suffix	N,S,E,W,NE,NW,SE,SW, ½, ¼ A, B, C, . . .

STPREMOD	TEXT/STRING	6	No	Street pre-modifier	Old, New
STPREDIR	TEXT/STRING	2	no	Street Pre direction	^{b)} N,S,E,W, NE, NW, SE, SW
STPREFIX	TEXT/STRING			Street PreType	^{b)} ST, RD, CIR, DR
STNAME	TEXT/STRING	40	no	Street name	MAIN
STSUFFIX	TEXT/STRING	4	no	Street name suffix type	^{b)} ST, RD, CIR, DR
STPOSTDIR	TEXT/STRING	2	NO	Street post directional	^{b)} N,S,E,W, NE, NW, SE, SW
STPOSTMOD	TEXT/STRING	6	NO	Street post modifier	Old, New, A, B, C, etc
PRUNITTYPE	TEXT/STRING	10	No	Pre Unit Type Building/Floor ^{c)}	b) BLDG, FLR, UNIT
PRUNITID	TEXT/STRING	10	No	Pre Unit Identifier BLDG or FLOOR number or letter. This can represent an individual or range of addresses	1, 2, A, B, 101, 201, 1 – 12, etc.
SBUNITTYPE	TEXT/STRING	10	no	Sub Unit Type	**APT; STE; BLDG
SBUNITID	TEXT/STRING	10	no	Sub Unit. This could be used to represent fractional addresses if an entity doesn't have a cleaned postal addressing scheme. This can also be used to denote ranges of addresses in the case of multiple apartments (e.g. APT 1-35).	# 10; 10, ½, A, B, C, 1 – 10, A – H, 100 – 220, etc
FLOORS	TEXT/STRING	10	NO	Number of Floors in building	
COMMNAME	TEXT/STRING	20	no	Community, City, Postal Community	Rexburg; Boise; Moscow
STATE	TEXT/STRING	2	no	State	ID
ZIP	INTEGER/TEXT		NO	Zip Code (5 digit code)	83440
ZIP4	INTEGER/TEXT		no	Zip Code (+ 4 if needed)	1526
LANDMARK	TEXT/STRING	50	NO	Name of landmark/location	Dworshak Dam, Memorial Bridge
LAANM	TEXT/STRING	25	No	Local Addressing Authority Name	City of Meridian, NPC, Ada County, CDA Tribe, etc
PRIMSTRUCT	TEXT/STRING	5	No	^{d)}	Prim/Sec OR 1/0 OR Yes/No
PRIMADD	TEXT/STRING	5	No	^{e)}	Prim/Sec OR 1/0 OR Yes/No

<i>LOCALID</i>	<i>TEXT/STRING</i>	<i>12</i>	<i>no</i>	<i>Local ID if used by contributor</i>	<i>1; ADA-1</i>
<i>PHOTO</i>	<i>RASTER</i>		<i>no</i>	<i>Photo(s) of the structure for local use.</i>	<i>server/structurepics/1234.jpg</i>
<i>COMMENTS</i>	<i>TEXT/STRING</i>	<i>250</i>	<i>no</i>	<i>Comments relevant to the structure</i>	<i>Jo's Auto Body; Pizza Hut</i>
<i>GNISID</i>	<i>TEXT/STRING</i>		<i>no</i>	<i>Obtained from USGS</i>	<i>22540</i>
<i>CRTEDATE</i>	<i>INTEGER</i>	<i>8</i>	<i>NO</i>	<i>Date structure point created: GPS'ed, hand digitized, etc</i>	<i>20101212</i>
<i>CHNGDATE</i>	<i>INTEGER</i>	<i>8</i>	<i>NO</i>	<i>Date of last change to structure status; address, APACode, etc.</i>	<i>20101212</i>
<i>DATEBUILT</i>	<i>INTEGER</i>	<i>8</i>	<i>NO</i>	<i>Date structure was built</i>	<i>20101212</i>

Additional resources

NENA addressing standards

https://c.ymcdn.com/sites/www.nena.org/resource/resmgr/Standards/NENA-INF-014.1-2015_SSAP_INF.pdf

ESRI solution for address management

<http://solutions.arcgis.com/local-government/help/address-management/>