

Summits on the Air

U.S.A. W9 Call Area

Association Reference Manual



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Authorised by SOTA MT	Date: 1 st July 2013
Association Manager	Dennis Martin WA2USA
Summits-on-the-Air	an original concept by G3WGV and developed with G3CWI

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Summits on the Air – ARM for U.S.A (W9 Call Area)

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Date	Version	Details
1 st July 2013	1.0	First formal issue of this document

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1 Association Reference Data

Association	W9 Call Area (W9)															
Commencement date	1 July 2013															
Regions 3	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Region</th> <th style="text-align: left;">Code</th> <th style="text-align: left;">Summit Count</th> </tr> </thead> <tbody> <tr> <td>IN - Indiana</td> <td>IN</td> <td style="text-align: center;">3</td> </tr> <tr> <td>IL - Illinois</td> <td>IL</td> <td style="text-align: center;">9</td> </tr> <tr> <td>WI – Wisconsin</td> <td>WI</td> <td style="text-align: center;">42</td> </tr> <tr> <td>Summit Total</td> <td></td> <td style="text-align: center;">54</td> </tr> </tbody> </table>	Region	Code	Summit Count	IN - Indiana	IN	3	IL - Illinois	IL	9	WI – Wisconsin	WI	42	Summit Total		54
Region	Code	Summit Count														
IN - Indiana	IN	3														
IL - Illinois	IL	9														
WI – Wisconsin	WI	42														
Summit Total		54														
Association parameters	See General Rules at SOTA website for definitions															
Summit operation criteria	Operation must be within 80ft vertically of the summit															
Band 1, score 1 point	Summit altitude less than <1100 ft. a.s.l.															
Band 2, score 2 points	Summit altitude between >=1100 ft. a.s.l. <1400 ft. a.s.l.															
Band 3, score 4 points	Summit altitude between >=1400 ft. a.s.l <1700 ft. a.s.l.															
Band 4, score 6 points	Summit altitude more than >=1700 ft. a.s.l.															
Band 5, score 8 points	Summit altitude															
Band 6, score 10 points	Summit altitude															
Seasonal bonus	Yes															
Bonus rationale	Impeded travel and operating conditions due to snow, ice, and cold temperatures.															
Min. height for bonus	During the bonus period an additional 3 points will be awarded for peaks with an elevation >= 1640 ft. ASL.															
Bonus period dates	December 1st through March 31st															
Association sponsored awards	None															
Association Manager	Dennis Martin WA2USA															
Email address	wa2usa@arrl.net															

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1.1 Program Deviation

The W9 Call area SOTA is an extension of similar programs already active in other countries and other regions of the United States. Much of the list of summits was derived from the work of John Kirk, published on the <http://www.listofjohn.com> website. Other sources of data exist, namely from the United States Geological Survey (USGS). A random sampling of the data from John Kirk's site was found to match the USGS data so it was chosen to be the source. The W9 Association scoring scheme is based on the relative height of summits of 100M (328ft) elevation for the surrounding saddle in order to qualify. This value has been rounded off to 330ft for convenience in SOTA regions where the routine measurement for height is in feet. Further information on the concept of "prominence" is available from Wikipedia and other sources.

The summit database is thought to be complete. If you would like a summit added, or you find an error in this ARM, please contact the Association Manager (AM). If the AM determines the requested summit is valid, or a change needs to occur to an existing summit's database record, he will update the ARM and submit it for approval to the SOTA Management Team (MT). Summits cannot be counted for points until a launch date and a reference number has been allocated by the AM and approved by the MT.

Please include the following information to help expedite requests for additions and/or corrections to the ARM's summit list:

1. Name of the summit as shown on the applicable USGS topographical map or as listed in the Geonames database.
2. Latitude and longitude of the summit expressed in decimal degrees to at least four decimal places.
3. Elevation of the summit expressed in feet above sea level.
4. Prominence value of the summit expressed in feet with a citation indicating the source of this value.

1.2 General information

Regions were based on the states, Indiana, Illinois and Wisconsin within the 9th call area. Each summit location was verified using the county location provided from the List of John and matched to a corresponding **Section** as shown on the individual state map preceding each region. For simplicity each **region** was given the following code system, IN (Indiana), IL (Illinois) and WI (Wisconsin). All mountains in Indiana and Illinois are located in the southern half for both states. The mountains of Wisconsin are located in 3 of the 4 sections of the state representing 26 counties. A **Section** column was added to the Wisconsin Regional table to help locate each summit within the state using the following sections: Northeastern (**NE**), Southeastern (**SE**), Southern (**S**) and Western (**W**).

All **regions** do have the same points scoring scheme. If additional summits are added to this W9 Association, they must comply with this scoring scheme.

To in order to qualify, a summit has to meet the following requirements:

- The summit must be listed on USGS topo maps.
- The summit must have at least 330 ft. prominence
- In the case of doubt regarding compliance to qualification criteria, the SOTA Management Team reserves the right to decide whether or not the Summit will be added to the list.

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1.3 Rights of way and access issues

Some of the summits listed in this ARM are on private land with no public access. Private lands in the USA are NOT open to camping and hiking simply by default. While European activators may be accustomed to the privileges of “Every Man’s Right” laws, these laws do not exist in the USA. No SOTA activator should ever trespass onto private land. If an activator does receive permission from a private landowner to a private summit, the activator must remember he or she may be the landowner’s only contact with SOTA or amateur radio and therefore must adhere to the highest standards of politeness and courtesy during the activation so as to pave the way for future activators to be authorized. The landowner is performing a favour for the amateur activator.

1.4 Maps and navigation

A reliable map of the region to be hiked along with a compass, and competency in the use of both, are essential. USGS topographical maps should be supplemented by trail maps where available. State parks often provide specific trail maps at no cost. A GPS is a good supplemental tool, though it should not be relied upon for primary navigation. It can fail to acquire satellite reception when in heavy cover, which is typical of forested area on steep ground.

When map sources are discovered by potential activators, the association strongly encourages sharing this data on the SOTAwatch website at <http://www.sotawatch.org/summits.php> to assist other activators. Please be sure to respect intellectual property law when adding information to the SOTAwatch site.

1.5 Safety considerations

A wealth of information on hiking and mountaineering is available from numerous resources on the internet, specialty retailers, bookstores, and local libraries. In addition to the standard preparation and planning that should go into any summit venture (essential supplies, weather forecast, etc.) particular consideration should be given to the following.

Added pack weight and space for communication equipment (transceivers, batteries, antenna and accessories) will change the amount of effort an experienced hiker will expend going to and from most summits. Test your SOTA station thoroughly before leaving home and include plenty of time in the day to set up, operate, and tear down a station.

The main objective is to return safely to the trail head and NOTHING should jeopardize this objective. Be mindful of time and weather conditions when lingering at the summit faced with making the last contact or working every caller in a pile-up. Most climbing accidents occur on descent and are generally due to fatigue and travel along trails as darkness approaches. It gets dark quickly on a trail in the woods.

1.6 Foreign amateur radio operators in Indiana, Illinois and Wisconsin

Foreign amateurs that are citizens and licensees of countries that participate in operating agreements with the United States of America are encouraged to consult the ARRL or FCC website for full details of operating within each of the three states within the W9 call area.

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1.7 Awards

There are no W9 Association awards at this time. However, several awards are available from the SOTA parent organization. Consult the SOTA website for details.

1.8 Disclaimer

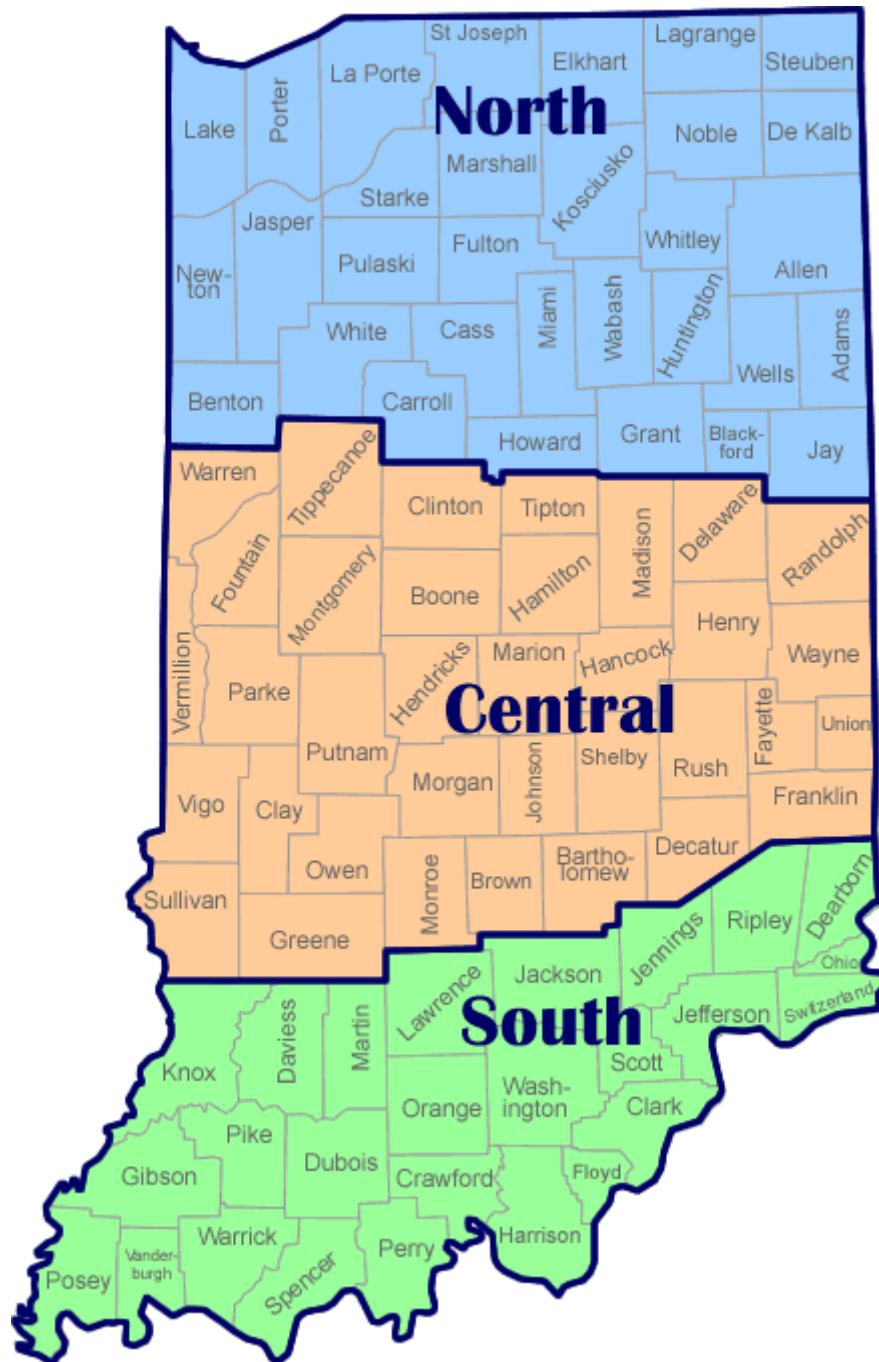
Hiking, hill-walking and rock-climbing are potentially dangerous activities. The SOTA Management Team and their associates assume no responsibility for accidents.

Participants must be competent to undertake their proposed Expedition and must carry suitable equipment, taking account of the terrain, weather conditions, etc. Activators take part in the Programme entirely at their own risk and the Programme in its entirety shall accept no responsibility for injury, loss of life or any other loss. Activators are reminded that hill climbing is an inherently hazardous activity. Accidents can and do happen in the mountains and the risk is neither increased nor mitigated by the SOTA programme.

Each participant does so at his or her own risk, and must decide, on the basis of their ability, whether an objective is achievable. The listing of a summit in the reference does not mean that it is easy to reach, and it is always worth seeking local advice for all but the simplest of the expeditions.

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2.1. A. Map of Indiana



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2 Summit Reference Data

2.1 Region Reference – W9 – Indiana Mountains (IN)

Association	W9 Call Area
Region	IN- Indiana Mountains (W9/IN-xxx)
Region manager	Refer to Association Manager

2.1.1 Regional notes

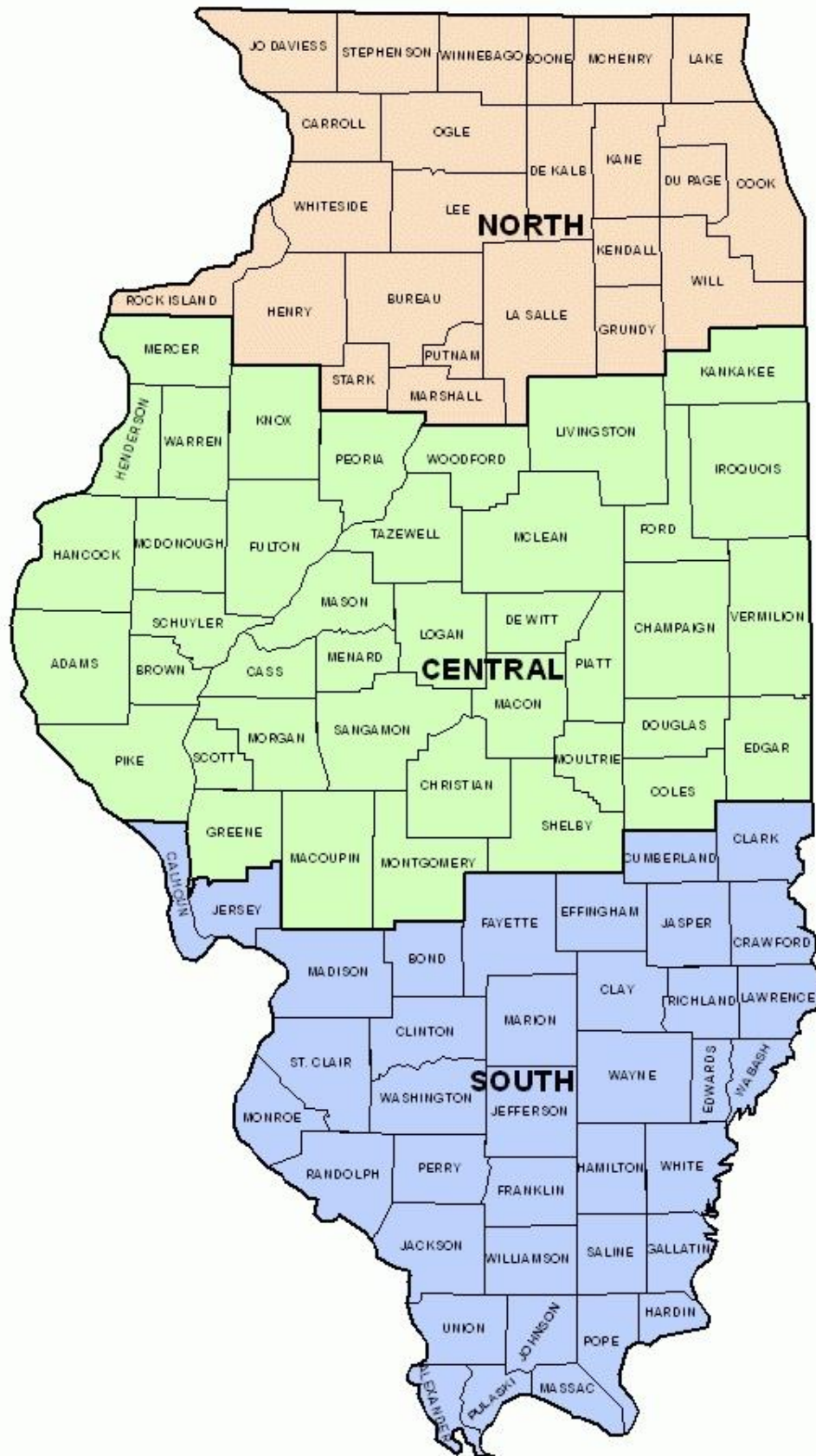
The IN region lies in the southern half of Indiana and borders Kentucky to the south. It consists of the following counties: Harrison, Jackson and Washington.

2.1.2 Table of summits

Ref. No.	Summit name	Alt (m)	Alt (ft)	Latitude	Longitude	Valid from dd/mm/yyyy	Valid to dd/mm/yyyy	Score
W9/IN-001	Washington County HP	322	1055	-85.9872	38.6416			1
W9/IN-002	Jackson County HP	300	985	-85.9926	38.8676			1
W9/IN-003	Greenbrier Knob	251	822	-86.2836	38.2178			1

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2.2 .A. Map of Illinois



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2.2 Region Reference – W9 – Illinois Mountains (IL)

Association	W9 Call Area
Region	IL – Illinois Mountains (W9/IL-xxx)
Region manager	Refer to Association Manager

2.2.1 Regional notes

The IL region lies within southern half of Illinois with Indiana to the east, Missouri to west and Kentucky to the south. It consists of the following counties: Gallatin, Jackson, Pope, Saline and Union.

2.2.2 Table of summits

Ref. No.	Summit name	Alt (m)	Alt (ft)	Latitude	Longitude	Valid from dd/mm/yyyy	Valid to dd/mm/yyyy	Score
W9/IL-001	Williams Hill	324	1064	-88.4756	37.5823			1
W9/IL-002	Bald Knob	314	1030	-89.3463	37.552			1
W9/IL-003	Horton Hill	308	1010	-88.4376	37.6247			1
W9/IL-004	Wamble Mountain	290	950	-88.455	37.611			1
W9/IL-005	High Knob	283	929	-88.3282	37.6004			1
W9/IL-006	Atwood Ridge	277	910	-89.3347	37.4251			1
W9/IL-007	Fountain Bluff	237	779	-89.487	37.6995			1
W9/IL-008	Wildcat Hills	234	768	-88.3432	37.7			1
W9/IL-009	Gold Hill	215	705	-88.214	37.6931			1

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2.3 Region Reference – W9 – Wisconsin Mountains (WI)

Association	W9 Call Area
Region	Wisconsin Mountains (W9/WI-xxx)
Region manager	Refer to Association Manager

2.4.1 Regional notes

The WI region lies in the Northeastern, Western and Southern sections of Wisconsin and borders Illinois to the south and Iowa and Minnesota to the west. It consists of the following 26 counties: Adams, Ashland, Bayfield, Buffalo, Chippewa, Clark, Columbia, Douglas, Dunn, Forest, Iowa, Iron, Jackson, Juneau, La Crosse, Lafayette, Lincoln, Marinette, Marathon, Monroe, Price, Rusk, Sawyer, Sauk, Trempealeau, and Washington.

2.4.2 Table of summits

Ref No.	Summit name	Alt (m)	Alt (ft)	Latitude	Longitude	Valid from Dd/mm/yyyy	Valid to dd/mm/yyyy	Score	Section
W9/WI-001	Timms Hill	595	1951	-90.1954	45.4509			6	W
W9/WI-002	Sugarbush Hill	591	1939	-88.8139	45.5577			6	W
W9/WI-003	Lookout Mountain	588	1930	-89.4824	45.4005			6	W
W9/WI-004	Rib Mountain	586	1924	-89.6951	44.9207			6	W
W9/WI-005	Whittlesey, Mount	572	1875	-90.6029	46.3022			6	W
W9/WI-006	1865	568	1865	-90.3599	46.4274			6	W
W9/WI-007	1825	556	1825	-90.7758	46.2894			6	W
W9/WI-008	Meteor Hill	549	1801	-91.3965	45.6883			6	W
W9/WI-009	Rusk County HP	535	1755	-91.4741	45.4923			6	W
W9/WI-010	Blue Mounds	524	1719	-89.8527	43.0282			6	S
W9/WI-011	McCaslin Mountain	503	1650	-88.3961	45.396			4	NE
W9/WI-012	Mosinee Hill	489	1605	-89.6504	44.8881			4	W
W9/WI-013	Sauk Point	486	1593	-89.654	43.4278			4	S
W9/WI-014	Flambeau Ridge	468	1535	-91.2164	45.2804			4	W
W9/WI-015	Happy Hill	454	1490	-89.862	43.3925			4	S
W9/WI-016	1475	450	1475	-91.2572	46.6652			4	W

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Ref No.	Summit name	Alt (m)	Alt (ft)	Latitude	Longitude	Valid from	Valid to	Score	Section
						Dd/mm/yyyy	dd/mm/yyyy		
W9/WI-017	Platte Mounds	440	1445	-90.4081	42.7725			4	S
W9/WI-018	1426	435	1426	-91.04	46.8202			4	W
W9/WI-019	Wadels Hill	430	1410	-90.9103	44.0257			4	W
W9/WI-020	Jackson County HP	428	1405	-90.9938	44.5567			4	W
W9/WI-021	Saddle Mound	427	1402	-90.5035	44.3496			4	W
W9/WI-022	1395	425	1395	-90.9563	46.7796			2	W
W9/WI-023	1390	424	1390	-91.0327	44.2263			2	W
W9/WI-024	Montana Ridge	418	1370	-91.5732	44.4086			2	W
W9/WI-025	Summit Lookout	417	1369	-92.1221	46.3656			2	W
W9/WI-026	Bayfield Lookout	417	1368	-90.8516	46.8342			2	W
W9/WI-027	1365	416	1365	-90.5329	44.2195			2	W
W9/WI-028	Bruce Mound	413	1355	-90.7934	44.444			2	W
W9/WI-029	Peacock Hill	411	1350	-91.2654	44.1251			2	W
W9/WI-030	1345	410	1345	-90.865	44.3946			2	W
W9/WI-031	Holy Hill	407	1335	-88.3276	43.2443			2	NE
W9/WI-032	Moy Benchmark	405	1330	-91.7692	44.5137			2	W
W9/WI-033	1310	399	1310	-91.2599	44.0225			2	W
W9/WI-034	Friendship Mound	395	1295	-89.8166	43.9836			2	NE
W9/WI-035	Sheep Pasture Bluff	385	1262	-89.9932	43.7439			2	W
W9/WI-036	Huber Ridge	381	1250	-91.8318	44.2511			2	W
W9/WI-037	Gibraltar Rock	380	1247	-89.6004	43.343			2	S
W9/WI-038	Queen Bluff	375	1230	-91.3269	44.0682			2	W
W9/WI-039	1210	369	1210	-91.9396	44.7513			2	W
W9/WI-040	Eagle Bluff	363	1190	-91.4512	44.0112			2	W
W9/WI-041	Oak Island	331	1085	-90.726	46.9386			1	W
W9/WI-042	Trempealeau Mountain	315	1034	-91.4961	44.0216			1	W