

## SECTION 3 - USER REPORTS INTERFACE

### 3.0 Introduction

This section provides information on the user's report content interface of the Hydrometeorological Automated Data System (HADS) program. User input to HADS occurs solely via the HADS Users Report web interface pages. One entry page has been established for the Weather Forecast Offices (WFOs) and a second entry page strictly for the River Forecast Centers (RFCs).

The actual web page addresses and instructions have been distributed via NOAA mail servers and due to system security issues, will not be listed in this document.

If a user has not accessed the web interface or lost track of their login process a method is available to obtain the necessary information via a request at the User Report web pages.

An attempt to access the HADS report page interface should originate from a system within the NWS.NOAA.GOV domain. If this is not possible, then your office will require special assistance from the HADS systems manager.

### 3.1 User Report Modifications

A WFO or RFC user can alter the content of their data report by adding or deleting individual data sites or by adding or deleting specific PE codes. The removal of a PE code will effect all of the data sites listed in the report record.

**A reminder for the WFOs: when data sites are added to or removed from your HSA, your HADS data report content is automatically updated.**

### 3.2 WFO Data from Other HSAs

If data is required from a few dcps outside of a your local HSA, those site can be added to the your office's HADS report. If ALL data from an adjacent HSA is needed, as in the need to backup an office's operations, then the site's should not be placed into your HADS report. Instead your office should acquire and process the data products created specifically for your neighboring office(s).

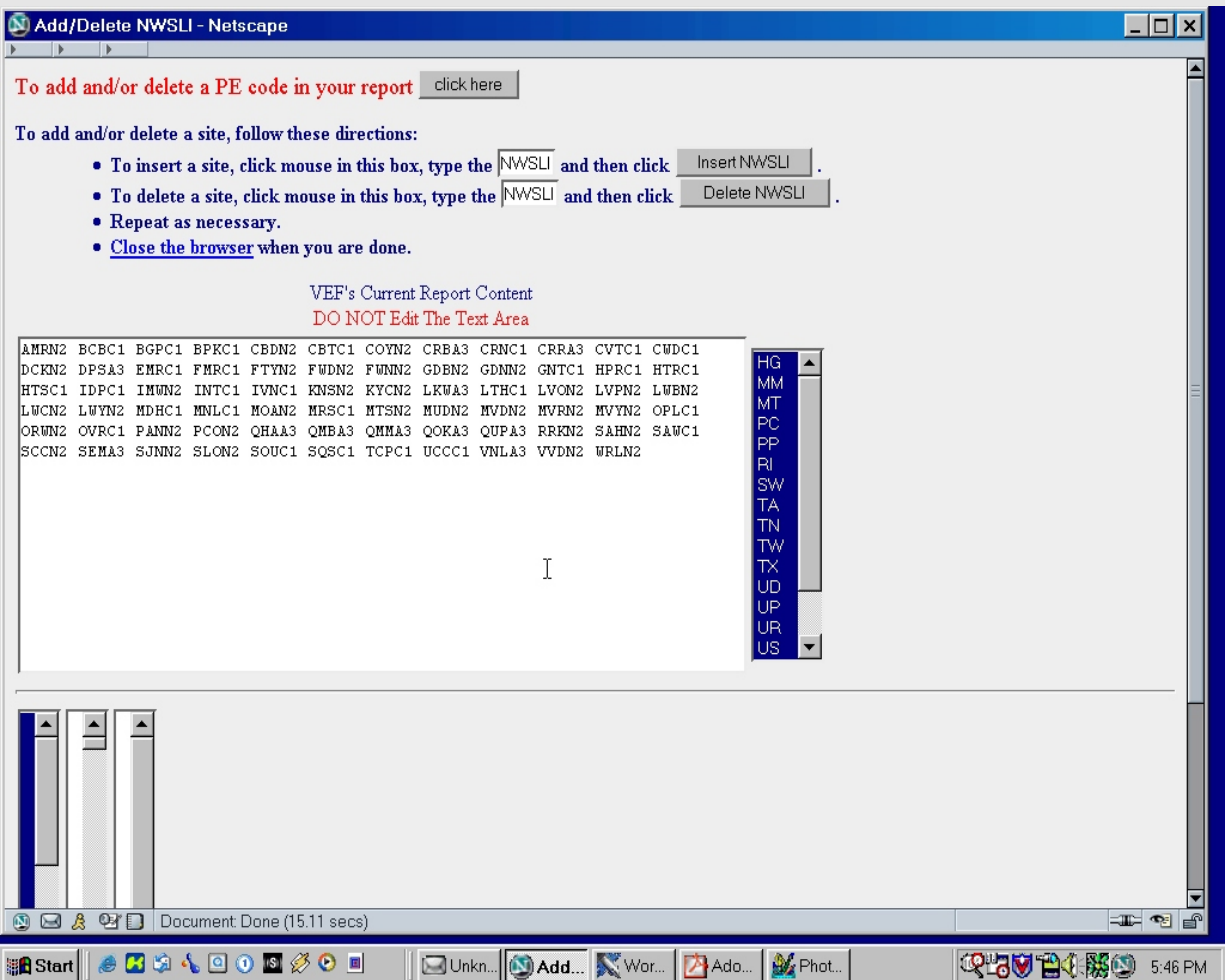
A list of all HADS products and their associated WMO headers can be found in section 4 of this document.

### 3.2 Entry page for WFO Users:

The screenshot shows a Netscape browser window with the title 'WFO HADS User Report Definitions - Netscape'. The main content area displays a list of user report definitions, organized in five columns. Each entry consists of a three-letter code followed by the city and state. The browser's status bar at the bottom indicates 'Document: Done (2.91 secs)'.

WFO HADS User Report Definitions				
<a href="#">ABQ</a> Albuquerque, NM	<a href="#">DYN</a> Quad Cities, IA	<a href="#">JAX</a> Jacksonville, FL	<a href="#">PAH</a> Paducah, KY	
<a href="#">ABR</a> Aberdeen, SD	<a href="#">EAX</a> Kansas City, MO	<a href="#">JKL</a> Jackson, KY	<a href="#">PBZ</a> Pittsburgh, PA	
<a href="#">AFC</a> Anchorage, AK	<a href="#">EKA</a> Eureka, CA	<a href="#">LBF</a> North Platte, NE	<a href="#">PDT</a> Pendleton, OR	
<a href="#">AFG</a> Fairbanks, AK	<a href="#">EPZ</a> El Paso, TX	<a href="#">LCH</a> Lake Charles, LA	<a href="#">PHI</a> Philadelphia, PA	
<a href="#">AJK</a> Juneau, AK	<a href="#">EWX</a> San Antonio, TX	<a href="#">LIX</a> New Orleans, LA	<a href="#">PIH</a> Pocatello, ID	
<a href="#">AKO</a> Wakefield, VA	<a href="#">EYW</a> Key West, FL	<a href="#">LKN</a> Elko, NV	<a href="#">PQR</a> Portland, OR	
<a href="#">ALY</a> Albany, NY	<a href="#">FFC</a> Atlanta, GA	<a href="#">LMK</a> Louisville, KY	<a href="#">PSR</a> Phoenix, AZ	
<a href="#">AMA</a> Amarillo, TX	<a href="#">FGF</a> Grand Forks, ND	<a href="#">LOT</a> Chicago, IL	<a href="#">PUB</a> Pueblo, CO	
<a href="#">APX</a> Gaylord, MI	<a href="#">FGZ</a> Flagstaff, AZ	<a href="#">LOX</a> Los Angeles, CA	<a href="#">RAH</a> Raleigh, NC	
<a href="#">ARX</a> La Crosse, WI	<a href="#">FSD</a> Sioux Falls, SD	<a href="#">LSX</a> St. Louis, MO	<a href="#">REV</a> Reno, NV	
<a href="#">BGM</a> Binghamton, NY	<a href="#">FWD</a> Fort Worth, TX	<a href="#">LUB</a> Lubbock, TX	<a href="#">RIW</a> Riverton, WY	
<a href="#">BIS</a> Bismark, ND	<a href="#">GGW</a> Glasgow, MT	<a href="#">LWX</a> Baltimore-Washington, VA	<a href="#">RLX</a> Charleston, WV	
<a href="#">BMX</a> Birmingham, AL	<a href="#">GID</a> Hastings, NE	<a href="#">LZK</a> Little Rock, AR	<a href="#">RNK</a> Roanoke-Blacksburg, VA	
<a href="#">BOI</a> Boise, ID	<a href="#">GJT</a> Grand Junction, CO	<a href="#">MAF</a> Midland-Odessa, TX	<a href="#">SEW</a> Seattle, WA	
<a href="#">BOU</a> Denver, CO	<a href="#">GLD</a> Goodland, KS	<a href="#">MEG</a> Memphis, TN	<a href="#">SGF</a> Springfield, MO	
<a href="#">BOX</a> Boston, MA	<a href="#">GRB</a> Green Bay, WI	<a href="#">MFL</a> Miami, FL	<a href="#">SGX</a> San Diego, CA	
<a href="#">BRO</a> Brownsville, TX	<a href="#">GRR</a> Grand Rapids, MI	<a href="#">MFR</a> Medford, OR	<a href="#">SHV</a> Shreveport, LA	
<a href="#">BTV</a> Burlington, VT	<a href="#">GSP</a> Greenville-Spartanburg, SC	<a href="#">MHX</a> Newport-Morehead, NC	<a href="#">SJT</a> San Angelo, TX	
<a href="#">BUF</a> Buffalo, NY	<a href="#">GUM</a> Guam, GU	<a href="#">MKX</a> Milwaukee, WI	<a href="#">SJU</a> San Juan, PR	
<a href="#">BYZ</a> Billings, MT	<a href="#">GYX</a> Portland, ME	<a href="#">MLB</a> Melbourne, FL	<a href="#">SLC</a> Salt Lake City, UT	
<a href="#">CAE</a> Columbia, SC	<a href="#">HFO</a> Honolulu, HI	<a href="#">MOB</a> Mobile, AL	<a href="#">STO</a> Sacramento, CA	
<a href="#">CAR</a> Caribou, ME	<a href="#">HGX</a> Houston, TX	<a href="#">MPX</a> Minneapolis, MN	<a href="#">TAE</a> Tallahassee, FL	
<a href="#">CHS</a> Charleston, SC	<a href="#">HNF</a> Hanford, CA	<a href="#">MQT</a> Marquette, MI	<a href="#">TBW</a> Tampa Bay, FL	
<a href="#">CLE</a> Cleveland, OH	<a href="#">HUN</a> Huntsville, AL	<a href="#">MRX</a> Morristown, TN	<a href="#">TFX</a> Great Falls, MT	
<a href="#">CRP</a> Corpus Christi, TX	<a href="#">ICT</a> Wichita, KS	<a href="#">MSO</a> Missoula, MT	<a href="#">TOP</a> Topeka, KS	
<a href="#">CTP</a> State College, PA	<a href="#">ILM</a> Wilmington, NC	<a href="#">MTR</a> San Francisco, CA	<a href="#">TSA</a> Tulsa, OK	
<a href="#">CYS</a> Cheyenne, WY	<a href="#">ILN</a> Wilmington, OH	<a href="#">OAX</a> Omaha, NE	<a href="#">TWC</a> Tucson, AZ	
<a href="#">DDC</a> Dodge City, KS	<a href="#">ILX</a> Central Illinois, IL	<a href="#">OHX</a> Nashville, TN	<a href="#">UNR</a> Rapid City, SD	
<a href="#">DLH</a> Duluth, MN	<a href="#">IND</a> Indianapolis, IN	<a href="#">OKX</a> New York City, NY	<a href="#">VEF</a> Las Vegas, NV	
<a href="#">DMX</a> Des Moines, IA	<a href="#">IWX</a> Northern Indiana, IN	<a href="#">OTX</a> Spokane, WA	---	
<a href="#">DTX</a> Detroit, MI	<a href="#">JAN</a> Jackson, MS	<a href="#">OUN</a> Norman, OK	---	

## Example of a WFO's HADS report content interface and the editing buttons.



**To insert/add a site: click mouse into the Insert NWSLI box, type in the 5 character NWSLI, click the “Insert NWSLI” button.**

**To delete/remove a site: click mouse into the Delete NWSLI box, type in the 5 character NWSLI, click the “Delete NWSLI” button.**

**That's it! The changes have been written to the User's Report Record!**

## Example of the page where PE codes are added or deleted

• To insert a Physical Element (PE) code, click mouse in this box, type the PE and then click  .

• To delete a Physical Element (PE) code, click mouse in this box, type the PE and then click  .

• Repeat as necessary.

• Click  to officially record these report changes. Click  to start all over.

VEF's Current Report Content  
**DO NOT Edit The Text Area**

AMRN2	BCBC1	BGPC1	BPKC1	CBDM2	CBTC1	COYN2	CRBA3	CRNC1	CRRA3	CVTC1	CWDC1
DCKN2	DPSA3	EMRC1	FMRC1	FTYN2	FVDN2	FVNN2	GDBN2	GDNN2	GNTC1	HPRC1	HTRC1
HTSC1	IDPC1	IMWN2	INTC1	IVNC1	KNSN2	KYCN2	LKWA3	LTHC1	LVON2	LVPN2	LWBN2
LWCN2	LWYN2	MDHC1	MNLC1	MOAN2	MRSC1	HTSN2	MUDN2	MVDN2	MVRN2	MVYN2	OPLC1
ORWN2	OVRC1	PANN2	PCON2	QHAA3	QMBAA3	QMMA3	QOKA3	QUPA3	RRKN2	SAHV2	SAWC1
SCCN2	SEMA3	SJNN2	SLON2	SOUA1	SQSC1	TCPC1	UCCC1	VNLA3	VVDN2	WRLN2	

hg  
mm  
mt  
pc  
pp  
pp  
ri  
sw  
ta  
tn  
tw  
tx  
ud  
up  
ur  
us

hadssystem@gateway2.nws.noaa.gov

Document: Done (3.52 secs)

Start | Unkn... | Add... | Wor... | Ado... | Phot... | 5:50 PM

To insert/add or To delete/remove a Physical Element code, click your mouse into the appropriate box, type the 2 character PE code and then click the appropriate add / or delete button.

After all additions and deletions are complete, you **MUST** click on the **SUBMIT** button in order to activate the changes.

This process takes considerably more time to complete, since the PE code changes must be enacted for each of the sites listed in the report record.

The submit button must be clicked in order for a change to be fully activated!

### 3.3 User Report Content

HADS data reports are encoded into Standard Hydrometeorological Exchange Format (SHEF).

The SHEF encoded data report contents are based upon the entries of each user's report record. The record contains a list of Physical Element (PE) codes and a list of data sites.

For each data site in the list, every PE code requested and available from any site is SHEF encoded and delivered.

If a user has requested data types HG, HP, HT, PC, TA, US, UD & PA, then data of these types, available from any or all sites in the user record will be SHEF encoded and delivered.

If site HYHK9 records HG, HP and TA ...then HG, HP and TA are delivered from this site.  
If site SVVK9 records TA, US and UD ... then TA, US and UD are delivered from this site.

If this user has 100 sites in their list and 50 record HG only, then HG only is sent from these 50 sites. If in this list, 20 sites record TA, UD and UD only, then TA, UD and US are encoded for these 20 sites only. If PA only is recorded at 25 sites then the PA for these 25 sites is encoded. If 5 sites in this same report record provide all of the requested PE codes, then all of those PE codes are sent for the 5 sites.

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If a site does not observe/record a listed PE code, then that particular data type is not included from that specific site.

Example:

Site ABCZ4 observes PE codes of HG and PC. User YYY has requested PE types HG, PC TW and TA from all of it's data points. Since ABCZ4 only observes HG and PC, then only HG and PC can be sent for this site. There is no TW and/or TA available from site ABCZ4.

#### **Special Note:**

**If a user requests a data site but it's available data types (PE codes) are not included in the report record, then the site will not be included as part of the report record and no data is sent for this particular site.**

**For example: User KLM has a report record that requests data types HG, PC and TA. These data types are sent for all of the observing sites in users KLM report record. Now, user KLM modifies it's report content and adds site VXJM9...but VXJM9 records PE code HT only. Since PE type HT does not exist in the report record, site VXJM9 will not be added.**

**The user must first add the PE type HT to the report record and then add the site (VXJM9) to it's report record.**

### 3.4 The River Forecast Centers

The River Forecast Centers interact with HADS via methods similar to the WFOs, but there are a few addition functions available to the RFCs.

The RFCs entry page appears as:

RFC HADS User Report Definitions - Netscape

If you can't find an user code from list below, please email to [hadssystem@gateway2.nws.noaa.gov](mailto:hadssystem@gateway2.nws.noaa.gov)  
If you [forgot your login ID](#) If you [forgot your passwd](#)  
Only government computers have host name with .noaa.gov domain are allow to login.

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**RFC HADS User  
Report Definitions**

[ACR](#) [AKRFC](#) [ORN](#) [LMRFC](#) [TAR](#) [NERFC](#)  
[ALR](#) [SERFC](#) [PTR](#) [NWRFC](#) [TIR](#) [OHRFC](#)  
[FWR](#) [WGRFC](#) [RHA](#) [MARFC](#) [TUA](#) [ABRFC](#)  
[KRF](#) [MBRFC](#) [RSA](#) [CNRFC](#) [\\_\\_\\_](#)  
[MSR](#) [NCRFC](#) [STR](#) [CBRFC](#) [\\_\\_\\_](#)

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If you can't find an user code from list above, please email to [hadssystem@gateway2.nws.noaa.gov](mailto:hadssystem@gateway2.nws.noaa.gov)  
If you [forgot your login ID](#) If you [forgot your passwd](#)  
Only government computers have host name with .noaa.gov domain are allow to login.

Document: Done (0.66 secs)

Start | Unkno... | RFC ... | WordP... | Adobe ... | 8:28 PM

Since the RFCs are responsible for a larger geographical area, they would naturally receive a significantly larger volume of data than the WFOs. In some cases the volume of data is a detriment to the data processing functions in the office. Therefore the volume of data can be diminished or the number of data sites received can be reduced. This is accomplished by providing the RFCs with functions to create multiple report records in which the time interval of the data is specifically defined, or the data sites received are specifically defined.

For example, for data sites that provide 15 minute data to HADS, an RFC report can be structured so that only hourly data is distributed to the RFC. Similarly, an RFC that is responsible for a portion of a state, can selectively obtain data from certain sites in the state and therefore not receive data from others sites in the same state.

The following is an example of one report record for an RFC in which only **HOURLY** stage data is distributed for the sites specifically listed in the report definition.

**To add and/or delete a PE code in your report**

**To add and/or delete a site, follow these directions:**

- To insert a site, click mouse in this box, type the  and then click .
- To delete a site, click mouse in this box, type the  and then click .
- Repeat as necessary.
- Close the browser when you are done.

KRF's Current Report Name HG1 Content  
Requested Data Interval is 60 minute time interval between data values

ACHK1	ADDM8	AFCS2	AGCS2	AMB1	AMCS2	ANGS2	ARGS2	ARVW4	ARWN8	ASLM8	BAIC2
BARM8	BBCN8	BCKN8	BCM8	BCTN1	BDCM8	BEAS2	BERS2	BFIS2	BFRW4	BGCM8	BGHM8
BGKM8	BHBW4	BHDC2	BHDM8	BIGS2	BIMC2	BIWN8	BKHC2	BLCW4	BLDM8	BNNS2	BNRS2
BOLC2	BOUS2	BRCS2	BRGK1	BSMM8	BSWS2	BTBC2	BTEC2	BUBC2	BULW4	BURK1	BVRN8
BWSW4	CBCM8	CBKM8	CCAS2	CCDW4	CCMM8	CCNC2	CETN8	CHCS2	CHRS2	CIRI2	CIXM7
CIZM7	CLBM8	CLNK1	CMRM8	CPKC2	CRCK1	CRCM8	CROW4	CRSN8	CTCS2	CTTS2	CTWN8
CYNS2	DAYW4	DBRM8	DCKW4	DDZM7	DILM8	DINW4	DKKC2	DKRC2	DKRM8	DMRK1	DMRM8
DNGN1	DSLMB	DUBW4	DWCM7	EADM7	ECHS2	EDGK1	EDGM8	EDGS2	EKCS2	ELCS2	ENWC2
EPRM8	ERFS2	ERNM8	EWIN1	FARS2	FBNM8	FCKN1	FKNN1	FLCW4	FLOS2	FOMC2	FREQ1
FRKC2	FRMS2	FRUS2	FRYM8	FSHC2	FTCC2	GARW4	GEAN1	GELK1	GEON1	GFLM8	GFZM7
GLBW4	GLNM8	GLNS2	GLOC2	GNKS2	GNLM8	GRAS2	GRFI2	GRFW4	GRLW4	GRNC2	GRSC2
GRWS2	GSCM8	GTNC2	GUSW4	GYVS2	HARC2	HATS2	HAWS2	HBDM8	HBGK1	HCCN8	HERS2
HHDS2	HLSK1	HLWM8	HNZM7	HOTS2	HPTC2	HRAN8	HRDM5	HRSS2	HSCS2	HTFS2	HTRM8
ICAW4	IDOC2	INLS2	IRIS2	IRVN1	JHNS2	JLLC2	JMSN8	JRMM7	JSLN8	JUBC2	JUDN8
JUDS2	KAMS2	KCEM7	KDKS2	KINW4	KMPS2	KRRM7	KSDM7	KSTS2	KWNK1	LANW4	LBSM8
LBZM7	LCWN1	LDKM8	LDOM7	LESN1	LFIS2	LGLK1	LITS2	LKBM7	LMBW4	LMCN8	LNEC2