

**WEATHER INFORMATION
MANAGEMENT SYSTEM / REMOTE
AUTOMATED WEATHER STATION
(WIMS/RAWS)
OPERATIONS GUIDE**

WYOMING BLM 2013



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Wyoming WIMS/RAWS Operating Guide

INTRODUCTION

The BLM Wyoming (BLM WY) WIMS and RAWS programs provide the foundation for the operation of the National Fire Danger Rating System (NFDRS) within the District Fire and Aviation Management programs. Deficiencies in either of the WIMS or RAWS programs will result in misleading or erroneous NFDRS outputs which may affect fire and aviation management decision making effectiveness and could ultimately jeopardize firefighter safety. It is important that both the WIMS and RAWS program receive the utmost managerial attention at all times within WY BLM.

GOAL

The goal of the WY BLM is to operate a fire danger rating system (FDRS) that produces an accurate assessment of the wildland fire potential to support planning and implementation of the district's fire and aviation management program.

OBJECTIVE

The objective of this "Operating Guide" is to identify responsibilities for the various components of the WIMS and RAWS programs and to provide operating guidelines for each to ensure that the most accurate and representative NFDRS outputs are generated daily.

ROLES AND RESPONSIBILITIES

- A. District Manager
 1. Ensure a effective fire protection program is in place on the district.
 2. Utilizes the best data and technologies possible to support the fire management program.
- B. FMO
 1. Determines the weather station network necessary to provide the support to the fire management program that is needed.
 2. Determine the season of operation for each weather station.
 3. Monitor the overall operation of the WIMS and RAWS programs to ensure conformance with agency standards.
 4. Insures that appropriate training is provided to those individuals responsible for the individual components of the WIMS and RAWS programs.
 5. Delegate the responsibility of the WIMS, RAWS and NFDRS programs, and to identify the different positions on the District that are responsible for the following roles and responsibilities.
- C. Weather Station Catalog Owner (WFMI and WIMS)
 1. Assigning data entry and editing responsibilities.
 2. Ensuring support staff are trained to perform the jobs expected.
 3. Monitoring and managing herbaceous stages throughout the season. Determine pre green, green up date and freeze dates, and relay to Data Manager/Data Entry Person for WIMS input.
 4. Monitor day to day operation to ensure that key inputs required for NFDRS calculations are being edited daily and are being done correctly.
 5. Ensure that scheduled maintenance of each station has been accomplished and document maintenance accomplishments in WFMI.
- D. Data Manager/Data Entry Person

1. Ensure that 1300 observation are manually entered throughout the normal operating season.
 2. Review the observations daily and report to the Station Owner any missing information and suspicious looking data.
 3. Periodically check the data base to make sure that all observations have been edited for NFDRS calculations. Input of missing data if found. Perform recalculations if necessary.
 4. Once notified by FMO/owner, change station from pre green to green up, freeze etc.
 5. Make sure that appropriate WIMS and/ or RAWS training is included on your individual development plan.
 6. Hour observations are edited in a timely manner on a daily basis.
- E. User
1. Report to the FMO or Primary Contact, and Dispatch, any suspicious looking NFDRS outputs or situations where the conditions being experienced on the ground are not consistent with the NFDRS outputs for that day.
- F. First Responder (Primary)
1. Perform minor weather station maintenance/repairs as requested or needed. Primary are responders notified first, secondary responders will be notified if they are not available or cannot be reached.
 2. Make sure that appropriate RAWS maintenance training has been provided and that you attend a RAWS Maintenance course or refresher each year as needed.
 3. Be prepared to respond to weather station maintenance needs within the timeframes outlined in the Weather Station Handbook.
 4. Responsible for yearly maintenance including replacing sensors, fuels sticks, etc.
 5. Responsible for emergency maintenance when problems occur.
- G. First Responder (Secondary)
1. Provide on site assistance to primary responder when needed.
 2. Act as backup if primary responder is not available top perform maintenance or repairs.
 3. Perform minor weather station maintenance/repairs as requested or needed. Make sure that appropriate RAWS maintenance training has been provided and that you attend a RAWS Maintenance course or refresher each year as needed.
 4. Be prepared to respond to weather station maintenance needs within the timeframes outlined in the Weather Station Handbook.
 5. Responsible for yearly maintenance including replacing sensors, fuels sticks, etc.
 6. Responsible for emergency maintenance when problems occur.

TRAINING RECOMMENDATIONS

- A. Unit Fire Management Officer
1. Gaining an Understanding of NFDRS
 2. Intermediate NFDRS (S-491)
 3. Advanced NFDRS (desirable)
- B. Station Owner
1. Gaining and Understanding of NFDRS
 2. Basic WIMS
 3. Intermediate NFDRS (S-491)
- C. Data Manager/Data Entry
1. Gaining an Understanding of NFDRS
 2. Basic WIMS
- D. Users

1. Gaining an Understanding of NFDRS
- E. First Responders
 1. Gaining and Understanding of NFDRS
 2. First Responder Training

PROTOCOLS

- A. Maintenance and Operation
 1. If a station is not working correctly first notification is to the FMO/Primary Contact who will then notify the First Responder and dispatch.
 2. If First Responder(s) is unable to respond in a timely manner secondary responders will be called to determine and fix the problem.
 3. All Wyoming BLM permanent Weather Stations are Vaisala 555's. Portable stations are a mix of Vaisala 555 and FTS.
- B. Station Ownership
 1. Primary owner in WIMS will be FMO or delegated personnel (field personnel) – owner will not be Center Manager or Dispatch personnel.
 2. Owner will give Dispatch (Data Manager/Data Entry personnel edit rights to each station (WIMS input etc).
 3. FMO or delegated owner is responsible for monitoring station for obvious errors in outputs/observations; wet flag, 1300 obs, etc.
 4. FMO will identify first responders on their district for station maintenance /repairs. These individuals are responsible for maintenance, sensor replacement, calibration etc of units, both permanent and portable. ([See Appendix D for a list of first responders](#)).

OPERATING PROCEDURES

- A. Permanent Stations
 1. Ensure that the installed equipment is designed to measure accurately all the weather parameters under typical wintertime freezing conditions. - FMO
 2. Pre-fire season. Ensure route to stations are clear and passable for yearly maintenance. - FMO/Station Owner
 3. Place station in pre green/green status as conditions change. It will take about one month after station has been placed in pre green to accurately determine 1000 hr fuels and other outputs. - FMO
 4. During the fire season –periodic review of outputs to insure station is operating correctly and providing accurate outputs. - FMO
 5. Contact First Responders for any problems with stations. - FMO/Primary Contact
- B. Portable Stations
 1. Pre-fire season- Ensure all parts and pieces of stations are accounted for and station is in operating condition. - FMO/Primary Contact
 2. Post fire/prescribed burn season, contact FTS or FTS comes to district, for parts, calibration and maintenance of stations as per contract w/ FTS. - Primary Contact/First Responder

Wyoming BLM RAWS

High Desert District

Primary Contact: Richard Putnam 307-352-0236
 District FMO: Frank Keeler 307-352-0282
 Station Owner: Vacant 1-800-295-9953
 First Responders: Primary -
 Nick Owen 307-212-1447
 Steve Strate 801-230-2877
 Secondary
 Phil Lockwood 307-828-4549
 Mike Barajas 307-352-0376
 Dispatch Office: Rawlins Dispatch 1-800-259-9953
 Depot Help Desk: 208-387-5475

<u>Stations</u>	<u>Station ID</u>	<u>Lat/Long</u>						<u>WFM I</u>					
		WIMS						WFMI					
Anderson Ridge	481903	42	42	14	108	56	27	42	26	14	108	56	27
Cow Creek	482011	41	30	0	107	55	0	41	16	15	107	34	15
Dodge Creek	482106	41	57	58	105	52	03	41	58	03	105	31	10
King GPS -- Nov 2012		41	58	01	105	31	08						
Muddy Creek	481801	41	24	02	110	32	35						
Snow Springs Creek	481904	41	25	03	109	02	10						

(red indicates sizable difference between WIMS and WFMI, needs to be checked)

High Plains District

Primary Contact: Eric Chapman 307-261-7512
 FMO- District FMO: Kirk Strom 307-261-7690
 Station Owner: Eric Chapman 307-261-7512
 First Responders: Primary
 Bill Liska 307-259-0348
 Steve Strate 801-230-2877
 Secondary
 Eric Brandon 307-258-2948
 Jodi Stone 307-202-5316
 Dispatch Office: Casper Dispatch 1-800-295-9952
 Depot Help Desk: 208-387-5475

<u>Stations</u>	<u>Station ID</u>	<u>Lat/Long</u>					
Casper Mt	481502	42	43	12	106	21	0
Echeta	480501	44	28	12	105	49	48
Fales Rock	481504(WIMS)	42	51	23	107	16	20
	481503 (WFMI)						
Poker Creek	481003	43	34	12	106	58	12

Wind River- Big Horn Basin District

Primary Contact: Rance Neighbors 307-431-9878
 District FMO: Chuck Russell 307-388-5144
 Station Owner: Cathy Hutton 1-800-295-9954
 First Responders Primary
 Derrick Migneault 307-250-5722
 Steve Strate 801-230-2877
Secondary
 Rance Neighbors 307-431-9878
 Eve Warren 307-431-9854
 Cal Anacker 307-431-9908

 Dispatch Office: Cody Dispatch 1-800-295-9954
 Depot Help Desk: 208-387-5475

<u>Stations</u>	<u>Station ID</u>	<u>Lat/Long</u>	WIMS			WFMI								
Camp Creek	482010		42	20	26	107	34	30	42	30	45	107	33	10
Grass Ck	480804		43	56	0	108	51	14						
Divide														
Hyatt High	480307		44	18	0	107	30	58						
Rattlesnake	480212		44	34	26	109	15	41						
Mt														
Split Rock Ck	480904		43	56	0	107	40	0	43	33	38	107	23	51
King GPS – Sept. 2010			43	33	41	107	23	42						

red indicates sizable difference between WIMS and WFMI

Appendices

Appendix A—Pre-season Check list

1. Prior to the start of green-up.
 - a. Have local personnel drive to site, clearing blow down, etc. along the way to ensure road is drivable.
 - b. Personnel to do any required maintenance to site areas – clear encroaching trees or brush.
 - c. Personnel check station, clear any limb, brush etc. that may have blown into the station and could obstruct outputs; branches leaves etc. in tipping bucket, on fuels stick, in or on wind gage etc.
 - d. Confirm Lat/Long (first year only)
 - e. Photo document each preseason inspection trip.

Appendix B— Training Opportunities

- i. RAWS Maintenance Course N9035 (first responders)
California

No Courses in FY13 - California course cancelled

National Training Web Site <http://www.nationalfiretraining.net/>

Appendix C—Additional Publications or Reference Guides

1. NWCG Fire Weather Station Standards –
<http://www.nwcg.gov/pms/pubs/PMS426-3.pdf>
2. A Review of the Forest Service Remote Automated Weather Station (RAWS) Network – http://www.fs.fed.us/rm/pubs/rmrs_gtr119.pdf
3. Gaining an Understanding of the National Fire Danger Rating System-
<http://www.nwcg.gov/pms/pubs/MasterGaining.pdf>

Appendix D— Agency Contact/First Responder List

Wind River Big Horn Basin

Primary

Derrrick Migneault 307-250-5722

Steve Strate 801-230-2877

Secondary

Rance Neighbors 307-431-9878

Cal Anacker 307-431-9908

Eve Warren 307-431-9854

High Plains

Primary

Bill Liska 307-259-0348

Steve Strate 801-230-2877

Secondary

Eric Brandon 307-258-2948

Jodi Stone 307-202-5316

High Desert

Primary -

Nick Owen 307-212-1447

Steve Strate 801-230-2877

Secondary

Phil Lockwood 307-828-4549

Mike Barajas 307-352-0376

Appendix E—Annual NFDRS Startup for Seasonal Stations

There are several steps that users of the NFDRS must go through at the start of the season to ensure that the outputs of the system are as representative as possible of their local conditions. They are applicable to all stations but primarily to seasonal stations with a 30-day or longer break in NFDRS observations.

(Note: Seasonal stations also include those RAWs sites that are not winterized to provide accurate winter precipitation measurements during freezing conditions.)

Everyone should have ended last season by changing the herbaceous condition to frozen for each of their weather stations. If you didn't do it, it is a good idea to do it before you start work on the current year. This time of year, even if your stations are still covered by snow, you should change the herbaceous state to pre-green and begin entering daily observations to gain the effect spring rain or melting snow has on the larger dead fuels.

Station Initialization – For those units operating NFDRS using the 1978 fuel models, about 45 days prior to start of spring green-up, make sure you have changed the herbaceous vegetation condition in the station catalog to pre-green and that you have begun entering daily weather observations on a regular basis. This allows the model to adjust from default values and develop carryover values more representative of the current season. This step is not necessary if you are using the 1988 fuel models as the required greenness factor entry accommodates the transition from season to season.

Station Green-up – After the snow melts, you need to start monitoring the greening conditions and edit the station catalog to reflect when general green-up begins. Starting it too early can give you erroneous NFDRS outputs for several months. Remember that green-up begins when the majority of the herbaceous and woody plant species begin to actively grow, not when the first indicators of spring growth appear. You should also focus your attention on when the species that become the fire problem later in the season begin their spring growth.

Enter in the station catalog the date that general green-up begins in the area being represented by the weather station. This is the calendar date that the majority of the herbaceous plant species have begun their annual growth, the buds on woody shrubs begin to swell, or leaf buds begin to open on deciduous species. Since various plant species respond differently to spring weather changes, the key to identifying when green-up begins is when the majority of the species start to respond to the warming weather conditions.

The following are some things to consider when establishing when the start of Green-up should be declared in NFDRS.

- 1. Don't rush it.** Make sure that the spring growing season is actually well under way.
- 2. Make sure that we are evaluating the average or typical herbaceous vegetation conditions** (all aspects/all elevations) within the area being represented by the weather station.

3. Evaluate what is happening to the **entire herbaceous and shrub plant community**. Often the south slope cheat grass will start to green as soon as the snow leaves the area while the other species, in particular the low brush, don't start responding until temperatures are much warmer.

4. Remember, that regardless of whatever date you pick to start green-up, **the NFDRS model will reach its maximum live fuel moisture content in 14 days for climate class 2 and 21 days for climate class 3.**

5. After you have started green-up, please monitor the herbaceous and woody fuel moisture values. If they peak before the growing season has actually stopped, you can shift the green-up date in WIMS and recalculate your fuel moistures to reflect the changed condition. It is critical that you maintain continuous weather observations once green-up begins.

Note: *As an aid to identifying when the green-up process is underway in your area, you should monitor the NDVI (Normalized Difference Vegetation Index) satellite imagery and the GSI (Growing Season Index) each week. Once you see the greenness values increasing, it's an indication that green-up is underway.*

Note: *If you have been entering observations throughout the winter months when the fuels may have been covered with snow or the rain gauge frozen, you have most likely been under reporting the affects of precipitation. The NFDRS processor doesn't know the ground is snow covered and uses the air temperature, low humidity values and lack of precipitation to continue to dry the larger dead fuels even though, in reality, they are being affected differently because they are under snow. Your calculated carryover fuel moisture values in the spring are most likely lower than they should be and must be adjusted. If you desire to have year round observations, the use of a heated rain gauge and the fuels wet flag are the only way to deal with situations where there are freezing temperatures and/or the fuels are covered with snow.*

An additional way to determine green up follows:

Download the fire weather data out of KCFAST into Fire Family Plus and then run the live fuel moisture index for each station. When the LFMI is at 50 that is a very good indication that the fuels represented by that station have greened up. If you have questions about the process may want to contact to an FBAN or Clint Dawson with the Forest Service.

Appendix F—Station Catalogs

Wind River Big Horn Basin

CAMP CREEK: 3278546C

NWS ID: 482010 PROPERTY#: 318495

STATUS: ACTIVE RAWS SERIAL #: 88019

LATITUDE:

LONGITUDE:

42:20:25

107:34:22

DCP/DATALOGGER:

DCP SOFTWARE VER:

H555

4.09

ELEVATION: 7380 DCP PROGRAM:

SLOPE:

ASPECT DEGREE:

COVER CLASS:

CLIMATE ZONE:

6

120

9

46

CLASS:

CALIBRATION DATE:

INSTALLED DATE:

EFFECTIVE DATE:

1

May 6, 2010 12:00 AM

Aug 26, 1996 12:00 AM

Apr 27, 2007 9:20 PM

STATE: WY EFFECTIVE TIME:

COUNTY: Carbon

AGENCY: BLM TRANSMIT METHOD: SATELLITE

REGION: WYOMING TRANSMIT TIME: 00:50:20:20

UNIT: RAWLINS CHANNEL: 158

OWNERSHIP TYPE: FIRE MIN BETWEEN TRANS: 60

MAINT CONTRACT: FULL BLM MIN BETWEEN OBS: 60

MAINTAINED BY: BLM SOLAR RAD CONST: 92.3

POINT OF CONTACT: Rance Neighbors BP MECH HIGH: 0

(307) 431-9878 BP MECH LOW: 0

RESPONDER:

WEIGH GAUGE HIGH:

WEIGH GAUGE LOW:

SITE DESCRIPTION:

STATION JUST BELOW TOP OF RIDGE RUNNING EAST TO WEST.

WHISKEY PEAK IS LOCATED APPROX. 2 MI. TO SOUTH.

FERRIS MTS. APPROX. 10 MI. TO THE EAST.

VALLEY TO THE WEST.

STATION JUST BELOW TOP OF RIDGE RUNNING EAST TO WEST.

WHISKEY PEAK IS LOCATED APPROX. 2 MI. TO SOUTH.

FERRIS MTS. APPROX. 10 MI. TO THE EAST.

VALLEY TO THE WEST.

STATION NOTES:

GPS'ED & PICTURES TAKEN 8/9/94

PROGRAM NAME: G3-0909

Access Info- RanceNeighbors- 307-431-9878

ROUTE:

CAMP CREEK, WYOMING

CLASS I

1. FROM RAWLINS TAKE HWY. 287 NORTH TO MUDDY GAP JUNCTION. (APPROX. 50 MILES)
2. AT MUDDY GAP JCN. TAKE LEFT ON HWY. 287 TOWARDS LANDER.
3. 1.6 MILES, LEFT TURN OFF HWY., CATTLE GUARD.

IF DRY GOOD 5TH WHEEL TURNAROUND JUST OFF PAVEMENT

4. 2.1 MILES, RIGHT FORK.
5. 0.5 MILES, RIGHT FORK ON MAIN ROAD.
6. 1.2 MILES, LEFT FORK.
7. 0.1 MILES, GO THROUGH FENCE/GATE. LAST PLACE TO DOWNLOAD 5TH WHEEL.
8. 1.8 MILES, RIGHT TURN OFF MAIN ROAD ONTO

2-TRACK. (OLD CABIN RUINS ON LEFT)
*****TRX FROM ONLY FROM HERE*****
9. 0.7 MILES, GO THROUGH FENCE/GATE.
10. 1.3 MILES, RIGHT FORK.
11. 0.1 MILES, STATION ON RIGHT.

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 4.09
DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED
Generic Solar Pannel GSP GSP C10112252113902 103910 May 17, 2010
Tipping Bucket - 444A
(Vaisala)
Vaisala Inc 444A 1570 108256 May 18, 2009
Antenna, (Vaisala) Goes -
443A
Vaisala Inc. 443A 4089A16791 103909 Jan 5, 2008
DCP - H555B Vaisala Inc. H555B 6938 103913 Dec 18, 2007
GPS Receiver - GPS 35HVS Garmin GPS-35HVS 71959205 103911 Apr 27, 2007

GRASS CREEK DIVIDE: 3264C70C

NWS ID: 480804 **PROPERTY#:** 345455
STATUS: ACTIVE **RAWS SERIAL #:** 90003

LATITUDE:
LONGITUDE:

43:53:29
108:51:12

DCP/DATALOGGER:
DCP SOFTWARE VER:

H555
4.09

ELEVATION: 7138 **DCP PROGRAM:**
SLOPE:

ASPECT DEGREE:
COVER CLASS:
CLIMATE ZONE:

20
200
10
46

CLASS:
CALIBRATION DATE:
INSTALLED DATE:
EFFECTIVE DATE:

1
Oct 29, 2009 12:00 AM
Jul 17, 1991 12:00 AM
Aug 30, 2007 3:50 PM

STATE: WY **EFFECTIVE TIME:**
COUNTY: Hot Springs

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE
REGION: WYOMING **TRANSMIT TIME:** 00:42:40:40
UNIT: WORLAND **CHANNEL:** 166

OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60
MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60
MAINTAINED BY: BLM **SOLAR RAD CONST:** 84.6

POINT OF CONTACT: Rance Neighbors **BP MECH HIGH:** 0
(307)431-9878 **BP MECH LOW:** 0

RESPONDER:
WEIGH GAUGE HIGH:
WEIGH GAUGE LOW:

SITE DESCRIPTION:

STATION SITS ON A FINGER RIDGE RUNNING NW TO SE.
SLOPE TO THE SOUTH WITH GRASSES/SAGE/JUNIPER & LODGE
POLE
HIGHER HILLS IN ALL DIRECTIONS, CLOSEST TO THE NORTH 3/4
MILE. OIL WELLS MARK THE LANDSCAPE.
STATION SITS ON A FINGER RIDGE RUNNING NW TO SE.
SLOPE TO THE SOUTH WITH GRASSES/SAGE/JUNIPER & LODGE
POLE
HIGHER HILLS IN ALL DIRECTIONS, CLOSEST TO THE NORTH 3/4
MILE. OIL WELLS MARK THE LANDSCAPE.

STATION NOTES:

PROGRAM NAME: GPS-3
GPS'D, PHOTO'E'D, CEL PHONE COVERAGE.

ROUTE:

- FROM CODY, HEAD SOUTH ON HWY 120 TO MEETEETSE APPX 31 MILES:
1. START MILEAGE AT LUCILLES CAFE IN MEETEETSE, CONTINUE SO. ON HWY 120
2. 14.4 MILES, REST AREA LEFT HAND SIDE.
3. 2.6 MILES, RIGHT, C.G., .6 MILE NORTH OF MM 34 (FROM NORTH USE WY 17)
4. 1.2 MILES, CATTLE GUARD.
5. 1.6 MILES, CATTLE GUARD.
6. 1.3 MILES, 4-WAY, CONT. STRAIGHT.
7. 0.5 MILES, RIGHT AT "T", GRASSY CRK RD.
8. 0.2 MILES, RIGHT TURN.
9. 0.1 MILES, LEFT TURN, MARITHON OIL SHED.
10. 0.5 MILES, RIGHT FORK.
11. 0.2 CROSS BRIDGE, FOLLOW MAIN ROAD.
12. 0.8 MILES, UNDER POWER LINES, LEFT FORK - COUNTY RD 36
13. 0.3 MILES, CATTLE GUARD.
14. 2.1 MILES, LEFT TURN & UNDER POWER LINES, COUNTY RD 36 (GRASS CREEK RD
15. 0.4 MILES, CATTLE GUARD.
16. 0.1 MILES, LEFT FORK & CATTLE GUARD RANCH ON RIGHT.
17. 0.3 MILES, CATTLE GUARD.
18. 0.1 MILES, CATTLE GUARD.
19. 0.1 MILES, CATTLE GUARD
20. 0.9 MILES, CATTLE GUARD.

21. 0.2 MILES, CATTLE GUARD.
22. 0.6 MILES, CATTLE GUARD. RANCH ON RIGHT.
23. 0.5 MILES, CATTLE GUARD.
24. 0.3 MILES, CATTLE GUARD.
25. 1.4 MILES, CATTLE GUARD.
26. 0.2 MILES, RIGHT FORK COUNTY ROAD 36. ***GOOD PLACE TO DOWNLOAD***
27. 0.2 MILES, CATTLE GUARD.
28. 0.4 MILES, CATTLE GUARD.
29. 4.3 MILES, RIGHT TURN ON ROAD 5020, (0.3 MILES BEFORE RANCH ON LEFT)
30. 1.5 MILES, LEFT FORK ONTO 2-TRACK.
31. 0.5 MILES, CONTINUE STRAIGHT
32. 50 FEET RIGHT FORK ONTO JEEP TRAIL.
33. 0.9 MILES, 1/2 WAY UPHILL, RIGHT FORK ONTO FAINT 2 TRACK, DOWN SLOPE,
THRU TREES (BURNT/DEAD), UP SADDLE TO LEFT, FOLLOW TO STATION.
34. 0.3 MILES, STATION.
35. STATION ID. 3279D082 TX. 00:42:45 CH. 76
POC: GARY BINGHAM (307) 347-9871

ALT DIRECTIONS FROM SOUTH:

1. TURN LEFT (WEST) OFF SR 120, JUST PRIOR TO BRIDGE OVER GRASS CREEK,
(THIS IS APPX MILE MARKER 25.7). ONTO COUNTY RD 171 (PAVED). FOLLOW
RD 171 APPX 8.6 MILES TO "T" (STEP 7), CONTINUE STRAIGHT TO STEP #8.

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 4.09
DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED
GPS Receiver - GPS-16HVS GPS-16HVS 33311743 101038 Nov 30, 2009
GPS Receiver - GPS-16HVS GPS-16HVS 33311743 101038 Nov 30, 2009
Relative Humidity / Air
Temperature - 435A
Vaisala Inc. 435A RH/AT 2627 108277 Nov 30, 2009
Wind Speed - 430A (Vaisala) Vaisala Inc. 430A WS 2314 113969 Nov 30, 2009
Tipping Bucket - 444A Vaisala Inc 444A 1945 113599 Nov 30, 2009
Wind Direction - 431A
(Vaisala)
Vaisala Inc. 431A WD 2337 102345 Nov 30, 2009
DCP - H555B Vaisala Inc. H555B 6150 103997 Dec 18, 2007
GPS Receiver - GPS 35HVS Garmin GPS-35HVS 71919451 103995 Aug 30, 2007
Generic Solar Pannel GSP GSP FW97K25942714 103994 Aug 30, 2007

HYATT HIGH: 3264D47A

NWS ID: 480307 **PROPERTY#:** 354765
STATUS: ACTIVE **RAWS SERIAL #:** 90038

LATITUDE:
LONGITUDE:

44:17:54
107:30:21

DCP/DATALOGGER:
DCP SOFTWARE VER:
H555
4.09

ELEVATION: 5670 **DCP PROGRAM:**
SLOPE:

ASPECT DEGREE:
COVER CLASS:
CLIMATE ZONE:

4
340
9
46

CLASS:
CALIBRATION DATE:
INSTALLED DATE:
EFFECTIVE DATE:

1
Oct 29, 2009 12:00 AM
Aug 4, 1992 12:00 AM
Aug 29, 2007 7:55 PM

STATE: WY **EFFECTIVE TIME:**

COUNTY: Big Horn

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE
REGION: WYOMING **TRANSMIT TIME:** 00:52:20:20
UNIT: WORLAND **CHANNEL:** 160

OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60

MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60

MAINTAINED BY: BLM **SOLAR RAD CONST:** 90

POINT OF CONTACT: Rance Neighbors **BP MECH HIGH:** 0
(307)431-9878 **BP MECH LOW:** 0

RESPONDER:

WEIGH GAUGE HIGH:

WEIGH GAUGE LOW:

SITE DESCRIPTION:

STATION SITS ON WEST SIDE OF JEEP TRAIL ON A FINGER RIDGE THAT RUNS N-S. VEGETATION IS JUNIPER, WILDFLOWERS AND MIXED

GRASSES. MANY RAVINES TO EAST, SOUTH AND WEST. STATION OVERLOOKS LARGE VALLEY FLOOR BACKED BY HIGH BLUFFS TO THE

SW ABOUT 2-3 MILES.

STATION SITS ON WEST SIDE OF JEEP TRAIL ON A FINGER RIDGE THAT RUNS N-S. VEGETATION IS JUNIPER, WILDFLOWERS AND MIXED

GRASSES. MANY RAVINES TO EAST, SOUTH AND WEST. STATION OVERLOOKS LARGE VALLEY FLOOR BACKED BY HIGH BLUFFS TO

STATION NOTES:

GPS, PHOTO, CEL PHONE COVERAGE

ROUTE:

HYATT RANCH, WYOMING

1. TAKE HWY. 31 EAST OUT OF MANDERSON, WY.

TOWARDS HYATTVILLE.

2. LEFT TURN 0.5 MILES PAST M.M. #21 ONTO ALKALAI COLD SP ROAD.

3. 0.2 MILES, RIGHT TURN COLD SPRINGS RD.

4. 4.4 MILES, LEFT FORK, STILL COLD SPRINGS ROAD. CROSS CATTLE GUARD, PAVEMENT ENDS.

*****DOWNLOAD ATV'S HERE*****

5. 3.9 MILES, RIGHT TURN (DOWNHILL) ONTO JEEP TRAIL.

6. 0.8 MILES, FENCE & GATE, STRAIGHT THRU GATE.

7. 0.6 MILES, STATION ON RIGHT.

8. STATION ID. 327711F4

POC: Rance Neighbors (307) 431-9878

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 4.09

DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED

Tipping Bucket - 444A

(Vaisala)

Vaisala Inc 444A 973 109327 Jul 1, 2010

Solar Radiation - 441A

(Vaisala)

LI-COR 441A PY52658 125704 Nov 30, 2009

Relative Humidity / Air

Temperature - 435A

Vaisala Inc. 435A RH/AT 2802 102896 Nov 30, 2009

Antenna, (Vaisala) Goes -

443A

Vaisala Inc. 443A 103957 Jan 5, 2008

RATTLESNAKE MTN.: 3278A4E8

NWS ID: 480212 **PROPERTY#:** 318493

STATUS: ACTIVE **RAWS SERIAL #:** 88017

LATITUDE:

LONGITUDE:

44:34:26

109:15:41

DCP/DATALOGGER:

DCP SOFTWARE VER:

H555

7al

ELEVATION: 8426 **DCP PROGRAM:**

SLOPE:

ASPECT DEGREE:

COVER CLASS:

CLIMATE ZONE:

1

125

13

22

CLASS:

CALIBRATION DATE:

INSTALLED DATE:

EFFECTIVE DATE:

1

Jan 8, 2010 12:00 AM

Aug 17, 1988 12:00 AM

Aug 30, 2007 9:44 PM

STATE: WY **EFFECTIVE TIME:**

COUNTY: Park

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE

REGION: WYOMING **TRANSMIT TIME:** 00:40:40:40

UNIT: WORLAND **CHANNEL:** 166

OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60

MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60

MAINTAINED BY: BLM **SOLAR RAD CONST:** 85.9

POINT OF CONTACT: Rance Neighbors **BP MECH HIGH:** 0

(307)431-9878 **BP MECH LOW:** 0

RESPONDER:

WEIGH GAUGE HIGH:

WEIGH GAUGE LOW:

SITE DESCRIPTION:

SITS NEXT TO RATTLESNAKE MTN. RANGE 1 MILE TO THE

SOUTHWEST

STATION IN A SADDLE BEHIND SMALL RIDGE WITH LARGE

VALLEY TO

THE NORHT WEST, AREA WAS BURNED IN 1965

SITS NEXT TO RATTLESNAKE MTN. RANGE 1 MILE TO THE

SOUTHWEST

STATION IN A SADDLE BEHIND SMALL RIDGE WITH LARGE

VALLEY TO

THE NORHT WEST, AREA WAS BURNED IN 1965

STATION NOTES:

TRX/SNOWMOBILE CELL PHONE COVERAGE.

GPS-3. GPS16. H-BOARD.

ROUTE:

CALL RANCHER GARY LUNDVALL 307-587-3992 AS COURTESY. WILL

ADVISE ON PLACE TO DOWNLOAD AND PARK. DISPATCH 307-587-1250

COMBO LOCK # 3006 NEXT TRIP TRY NEW COMBO PER POC #4570 or #1002. (ZURF)

RATTLESNAKE MTN., WYOMING

CLASS I

1. START MILEAGE AT INTERSECTION OF US 16

& HWY. 120 IN CODY WY. GO NORTH ON

HWY. 120.

2. 0.3 MILES, LEFT TURN STAY ON HWY. 120.

3. 0.5 MILES, CROSS BRIDGE, SHOSHONE RIVER.

4. APPROX 8 MILES, LEFT TURN ONTO COUNTY ROAD

7UH, GRAVEL, CG. (15.2 MILES INTO THE STATION FROM THIS POINT)

GOOD PLACE TO ATV FROM.

5. 0.4 MILES, CG

6. 0.6 MILES, RANCH HOUSE ON LEFT

7. 0.5 MILES, GATE. GOOD PLACE TO DOWNLOAD ATV'S (SM & ATV can go around

GATE) GATE CLOSED IN WINTER AND OPEN IN THE SUMMER

8. 0.3 MILES, CATTLE GUARD.

9. 0.8 MILES, CATTLE GUARD.

10. 2.7 MILES, CATTLE GUARD.

11. 1.3 MILES, CATTLE GUARD.

12. 1.2 MILES, CONTINUE STRAIGHT.
13. 0.7 MILES, CATTLE GUARD.
14. 0.4 MILES, LEFT FORK, CATTLE GUARD, FAR LEFT FORK THROUGH LOCKED GATE (COMBO# 3006) (5-WHEEL DROP POINT)
15. 2.2 MILES, WY STATE FORESTRY SIGN
16. 0.1 MILES, LEFT FORK-MAIN ROAD
17. 0.2 MILES, RIGHT FORK-MAIN ROAD
18. 0.2 MILES, CONTINUE STRAIGHT-MAIN ROAD
19. 0.2 MILES, CONTINUE STRAIGHT-MAIN ROAD
20. 1.1 MILES, LEFT FORK RD#1207
21. 1.1 MILES, WY STATE FORESTRY SIGN
22. 0.1 MILES, LEFT OFF MAIN ROAD
23. 0.4 MILES LEFT FORK
24. 0.1 MILES LEFT FORK
25. 0.4 MILES RIGHT AT "T"
26. 0.1 MILES LEFT FORK
27. 0.2 MILES STATIONON LEFT APPROX 75 YDS

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7a1
 DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED
 Wind Direction - 431A Vaisala Inc. 431A WD 2417 1166 Feb 19, 2010
 Solar Panel 20W Unregulated Power Up SP-20 WATT 0200607-G-00245 25541 Feb 18, 2010
 GPS Antenna - Omnisat (VAI)
 Trimble 56237-52
 Trimble 56237-52 25850100 106147 Feb 18, 2010
 Rain Gauge - RG-T (FTS) FTS Forest Technology
 Systems Ltd
 RG-T 031863 123339 Feb 18, 2010
 Relative Humidity / Air
 Temperature - 435A
 Vaisala Inc. 435A RH/AT 538 109042 Feb 18, 2010
 Antenna, (Vaisala) Goes -
 443A
 Vaisala Inc. 443A 1981 103969 Jan 5, 2008

SPLIT ROCK CREEK: 3278B79E

NWS ID: 480904 **PROPERTY#:** 318490

STATUS: ACTIVE **RAWS SERIAL #:** 88014

LATITUDE:

LONGITUDE:

43:33:39

107:23:48

DCP/DATALOGGER:

DCP SOFTWARE VER:

H555

7.aL

ELEVATION: 6616 **DCP PROGRAM:**

SLOPE:

ASPECT DEGREE:

COVER CLASS:

CLIMATE ZONE:

2

0

8

46

CLASS:

CALIBRATION DATE:

INSTALLED DATE:

EFFECTIVE DATE:

1

Oct 29, 2009 12:00 AM

Aug 16, 1988 12:00 AM

Aug 29, 2007 7:57 PM

STATE: WY **EFFECTIVE TIME:**

COUNTY: Washakie

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE

REGION: WYOMING **TRANSMIT TIME:** 00:40:50:50

UNIT: WORLAND **CHANNEL:** 166

OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60

MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60

MAINTAINED BY: BLM **SOLAR RAD CONST:** 79.1

POINT OF CONTACT: Rance Neighbors **BP MECH HIGH:** 0

(307)431-9878 **BP MECH LOW:** 0

RESPONDER:

WEIGH GAUGE HIGH:

WEIGH GAUGE LOW:

SITE DESCRIPTION:

SITS ON SMALL RIDGE, 75 YDS FROM COUNTY ROAD, LARGE

VALLEY

10 MILES NORTH, LARGER RIDGE 5 MILES TO EAST

SITS ON SMALL RIDGE, 75 YDS FROM COUNTY ROAD, LARGE

VALLEY

10 MILES NORTH, LARGER RIDGE 5 MILES TO EAST

STATION NOTES:

GPS'D, PHOTO'E'D & CELL PHONE COVERAGE.

GPS-16, RADIO KIT NOT USED, PGM:G3-0909

ROUTE:

SPLIT ROCK CREEK, WYOMING

CLASS I

1. FROM WORLAND DISTRICT OFFICE ON HWY 16

(BIG HORN AVE.). GO EAST ON HWY 16.

2. 25.6 MILES, RIGHT TURN ONTO NORWOOD RD.

(HWY. 434)

3. 20.3 MILES, CATTLE GUARD.

4. 0.5 MILES, CATTLE GUARD, PAVEMENT ENDS.

5. 0.4 MILES, CATTLE GUARD.

6. 4.0 MILES, CORRAL ON RIGHT.

7. 1.1 MILES, CATTLE GUARD.

8. 1.5 MILES, CATTLE GUARD.

9. 0.5 MILES, RANCH ON RIGHT.

10. 0.7 MILES, CATTLE GUARD, CONT. STRAIGHT.

11. 0.7 MILES, RANCH ON RIGHT.

12. 1.1 MILES, CATTLE GUARD.

13. 1.2 MILES, CATTLE GUARD.

14. 1.3 MILES, RANCH HOUSE, BRIDGE, THEN

LEFT FORK ON MAIN ROAD.

15. 0.6 MILES, CATTLE GUARD THEN BRIDGE.

16. 1.0 MILES, BRIDGE THEN CATTLE GUARD.

17. 0.5 MILES, CATTLE GUARD.

18. 1.9 MILES, LEFT TURN, BLM SIGN- SPLIT ROCK ROAD

**** GOOD PLACE TO DOWN LOAD IF WET OR SNOWY ****

19. 0.5 MILES, CATTLE GUARD.

20. 2.1 MILES, CATTLE GUARD.
21. 0.3 MILES, RIGHT FORK.
22. 1.3 MILES, STATION ON RIGHT.
23. STATION ID. 3278B79E
MPOC: Rance Neighbors- WORLAND
307 431-9878

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7.aL
DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED
Relative Humidity / Air
Temperature - 435A
Vaisala Inc. 435A RH/AT 02591 118062 Nov 30, 2009
Antenna, (Vaisala) Goes -
443A
Vaisala Inc. 443A 1989 103981 Jan 5, 2008
GPS Receiver - GPS 35HVS Garmin GPS-35HVS 71960514 103983 Aug 29, 2007
Generic Solar Pannel GSP GSP FE95K11664989 103982 Aug 29, 2007
Solar Radiation - 441A LI-COR 441A PY50397 103989 Aug 29, 2007
Tipping Bucket - 444A Vaisala Inc 444A 3814 103990 Aug 29, 2007

High Desert District

ANDERSON RIDGE: 32787280

NWS ID: 481903 **PROPERTY#:** 318482
STATUS: ACTIVE **RAWS SERIAL #:** 88006

LATITUDE:

LONGITUDE:

42:26:13

108:56:44

DCP/DATALOGGER:

DCP SOFTWARE VER:

H555

4.09

ELEVATION: 8120 **DCP PROGRAM:**

SLOPE:

ASPECT DEGREE:

COVER CLASS:

CLIMATE ZONE:

6

180

9

46

CLASS:

CALIBRATION DATE:

INSTALLED DATE:

EFFECTIVE DATE:

1

May 7, 2010 12:00 AM

Aug 9, 1988 12:00 AM

Apr 28, 2007 1:09 AM

STATE: WY **EFFECTIVE TIME:**

COUNTY: Sweetwater

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE

REGION: WYOMING **TRANSMIT TIME:** 00:50:30:30

UNIT: ROCK SPRINGS **CHANNEL:** 158

OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60

MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60

MAINTAINED BY: BLM **SOLAR RAD CONST:** 94.7

POINT OF CONTACT: Richard Putman **BP MECH HIGH:** 0

(307) 352-0236 **BP MECH LOW:** 0

RESPONDER:

WEIGH GAUGE HIGH:

WEIGH GAUGE LOW:

SITE DESCRIPTION:

SLIGHT SOUTHERN EXPOSURE IN ROLLING HILLS. LARGE MTN RANGE

35 MILES TO NORTH. SOME SCATTERED ROCK, GRASSY AREAS. PINE

TREES IN VALLEY 5-7 MILES NORTH. SCATTERED TREES IN ALL LOWER ELEVATIONS

SLIGHT SOUTHERN EXPOSURE IN ROLLING HILLS. LARGE MTN RANGE

35 MILES TO NORTH. SOME SCATTERED ROCK, GRASSY AREAS. PINE

TREES IN VALLEY 5-7 MILES NORTH. SCATTERED TREES IN ALL LOWER ELEVATIONS

STATION NOTES:

GPS'ED & PHOTO'ED, PROGRAM NAME: G3-0909

Access Info- Richard Putnam- 307-352-0236

ROUTE:

ANDERSON RIDGE, WYOMING

CLASS I

1. OUT OF FARSON, WYO, TAKE HWY. 28 NORTHEAST.

2. 34.3 MILES, LEFT TURN THRU REST AREA.

-DOWNLOAD GOOSENECK HERE-

3. 0.05 MILES, CATTLE GUARD.

4. 0.1 MILES, RIGHT FORK.

5. 0.3 MILES, STRAIGHT.

6. 0.1 MILES, THRU TREES AND UPHILL.

7. 2.2 MILES, RIGHT FORK.

8. 0.5 MILES, OLD CABIN ON LEFT, CONTINUE STRAIGHT.

9. 0.4 MILES, LEFT TURN AT CROSS ROAD.

10. 1.0 MILES, LANDER CUTOFF POST.

11. 0.2 MILES, STAY RIGHT
12. 0.1 MILES, RIGHT FORK.
13. 0.4 MILES, EITHER FORK
14. 0.2 MILES, THRU GATE STATION AT 12 O'CLOCK.
15. 0.3 MILES, RIGHT, STATION ON RIGHT.
16. 0.1 SITE.

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 4.09

DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED

Wind Speed - 430A Vaisala Inc. 430A WS 1160 100282 May 18, 2009

Wind Direction - 431A Vaisala Inc. 431A WD 1184 4391 May 18, 2009

Solar Radiation - 441A LI-COR 441A PY34906 108617 May 18, 2009

Tipping Bucket - 444A Vaisala Inc 444A 3672 100152 May 18, 2009

Antenna, (Vaisala) Goes -

443A

Vaisala Inc. 443A 2953 103933 Jan 5, 2008

DCP - H555B Vaisala Inc. H555B 5127 103937 Dec 18, 2007

GPS Receiver - GPS 35HVS Garmin GPS-35HVS 71960562 103935 Apr 27, 2007

Generic Solar Pannel GSP GSP C10112252113940 103934 Apr 27, 2007

COW CREEK: 3278471A

NWS ID: 482011 **PROPERTY#:** 318484
STATUS: ACTIVE **RAWS SERIAL #:** 88008
LATITUDE:
LONGITUDE:
41:18:32
107:34:26
DCP/DATALOGGER:
DCP SOFTWARE VER:
H555
7.aL
ELEVATION: 7234 **DCP PROGRAM:**
SLOPE:
ASPECT DEGREE:
COVER CLASS:
CLIMATE ZONE:
6
270
6
46
CLASS:
CALIBRATION DATE:
INSTALLED DATE:
EFFECTIVE DATE:
1
May 6, 2010 12:00 AM
Aug 3, 1988 12:00 AM
May 14, 2007 4:40 PM
STATE: WY **EFFECTIVE TIME:**
COUNTY: Carbon
AGENCY: BLM **TRANSMIT METHOD:** SATELLITE
REGION: WYOMING **TRANSMIT TIME:** 00:43:40:40
UNIT: RAWLINS **CHANNEL:** 158
OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60
MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60
MAINTAINED BY: BLM **SOLAR RAD CONST:** 88.4
POINT OF CONTACT: Richard Putnam **BP MECH HIGH:** 0
(307) 352-0236 **BP MECH LOW:** 0
RESPONDER:
WEIGH GAUGE HIGH:
WEIGH GAUGE LOW:
SITE DESCRIPTION:
SITE ON SOUTH RIM OF DEEP GULCH BESIDE A ROCK MARKER.
ROLLING HILLS AROUND, OIL WELLS STRAIGHT ACROSS GULCH.
COW CREEK IS WEST OF SITE APPROX. SEVEN MILES.
SITE ON SOUTH RIM OF DEEP GULCH BESIDE A ROCK MARKER.
ROLLING HILLS AROUND, OIL WELLS STRAIGHT ACROSS GULCH.
COW CREEK IS WEST OF SITE APPROX. SEVEN MILES.
STATION NOTES:
CELL COVERAGE
PROGRAM NAME: G3-E-0909
Access info- Richard Putnam- 307-352-0236

ROUTE:

COW CREEK, WYOMING
CLASS I
1. TAKE EXIT 187 FROM I-80 TOWARDS BAGGS.
THIS IS 24 MILES WEST OF RAWLINS-HWY 789
2. 28.5 MILES, LEFT TURN OFF HWY. 789 ONTO
WILLOWS ROAD. BLM SIGN - TRAILER DROP PT.
3. 3.0 MILES, RIGHT FORK.
4. 3.1 MILES, RIGHT TURN.
5. 2.6 MILES, BRIDGE.
6. 0.6 MILES, CATTLE GUARD
*** IF NOT MUCH SNOW YOU CAN PARK TRAILER HERE.
7. 1.5 MILES, HARD LEFT TURN, 180 DEGREES.
8. 0.9 MILES, RIGHT FORK
9. 1.4 MILES, LEFT FORK.
10. 0.2 MILES, FENCE AND GATE.
11. 2.4 MILES, LEFT TURN TO STATION.

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7.aL
DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED

Tipping Bucket - 444A Vaisala Inc 444A A1730001 125475 May 18, 2009
Antenna, (Vaisala) Goes -
443A
Vaisala Inc. 443A 2023 103897 Jan 5, 2008
DCP - H555B Vaisala Inc. H555B Y45104 103901 Dec 18, 2007
GPS Receiver - GPS 35HVS Garmin GPS-35HVS 71925945 103899 May 14, 2007
Generic Solar Pannel GSP GSP C10400216255731 103898 May 14, 2007

DODGE CREEK: 3276E38A

NWS ID: 482106 **PROPERTY#:** 318496
STATUS: ACTIVE **RAWS SERIAL #:** 88020
LATITUDE:
LONGITUDE:
41:58:01
105:31:09
DCP/DATALOGGER:
DCP SOFTWARE VER:
H555
7.al
ELEVATION: 7100 **DCP PROGRAM:**
SLOPE:
ASPECT DEGREE:
COVER CLASS:
CLIMATE ZONE:
7
120
9
46
CLASS:
CALIBRATION DATE:
INSTALLED DATE:
EFFECTIVE DATE:
1
May 5, 2010 12:00 AM
May 10, 1990 12:00 AM
May 2, 2007 3:38 PM
STATE: WY **EFFECTIVE TIME:**
COUNTY: Albany
AGENCY: BLM **TRANSMIT METHOD:** SATELLITE
REGION: WYOMING **TRANSMIT TIME:** 00:44:10:10
UNIT: RAWLINS **CHANNEL:** 158
OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60
MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60
MAINTAINED BY: BLM **SOLAR RAD CONST:** 84.4
POINT OF CONTACT: Richard Putnam **BP MECH HIGH:** 0
(307) 352-0236 **BP MECH LOW:** 0
RESPONDER:
WEIGH GAUGE HIGH:
WEIGH GAUGE LOW:
SITE DESCRIPTION:
STATION ON KNOLL BETWEEN TWO DRAWS.
SURROUNDED BY ROLLING HILLS.
SMALL RESERVOIR LOCATED @ 1/2 MI. WEST.
STATION ON KNOLL BETWEEN TWO DRAWS.
SURROUNDED BY ROLLING HILLS.
SMALL RESERVOIR LOCATED @ 1/2 MI. WEST.
STATION NOTES:
NO CELL COVERAGE, GPS'D.
PGM NAME: G3-E-0909
Access Info- Richard Putnam- 307-352-0236

ROUTE:

JERRY KENNEDY LAND OWNER/BLM FIRE 1ST
RESPONDER HAS PHONE-307-322-2345, ON STATION.
DODGE CREEK, WYOMING
CLASS I
ALTERNATE ROUTE
1. FROM CASPER, WY., I-25 SOUTH TO HWY.34
TO LARAMIE, WY (EXIT 73).
2. 16.05 MILES, RIGHT TURN TO JERRY KENNEDY
RANCH.(TUNNEL ROAD) (FIRE GUARD STATION)
APPROX. 21 MILES.
DODGE CREEK, WYOMING CLASS 1
1. TAKE I-80 EAST FROM RAWLINS. EXIT AT 235 AND GO LEFT ON HWY. 287
(HWY 30 EAST) TO MEDICINE BOW.
2. START MILEAGE IN MEDICINE BOW AT THE JUNCTION OF 487 & HWY 30 EAST, CONT. ON HWY 30 EAST.
3. 14.7 MILES, LEFT TURN ONTO COUNTY RD. 61 (M.M. 286/287)
FETTERMEN Rd. & CROSS CG
4. 1.2 MILES, CATTLE GUARD
5. 1.4 MILES, CATTLE GUARD
6. 1.2 MILES, CATTLE GUARD
7. 2.3 MILES, CATTLE GUARD
8. 1.2 MILES, CONTINUE STRAIGHT MAIN ROAD
9. 1.5 MILES, CATTLE GUARD

- 10. 2.5 MILES, CATTLE GUARD
- 11. 4.1 MILES, STAY RIGHT ONTO PALMER CANYON RD. #721 (MIDDLE FORK)
- 12. 1.1 MILES, RESERVOIR TO RIGHT
- 13. 1.2 MILES, CATTLE GUARD
- 14. 3.6 MILES, CATTLE GUARD
- 15. 1.7 MILES, CATTLE GUARD
- 16. 2.5 MILES, CATTLE GUARD
- 17. 0.8 MILES, RIGHT FORK ONTO TUNNEL Rd. #727
- 18. 1.5 MILES, STRAIGHT THROUGH INTERSECTION
- 19. 0.1 MILES, CATTLE GUARD
- 20. 1.1 MILES, CATTLE GUARD
- 21. 1.1 MILES, CATTLE GUARD
- 22. 0.4 MILES, LEFT TURN (FIRE GUARD SIGN-JERRY KENNEDY)
- ***DROP ATV'S/5TH WHEEL HERE OR @ #23***
- **LAND OWNER 307-322-2345 (KENNEDY) WILL ALLOW PHONE USE**
- 23. 0.2 MILES, TAKE LEFT AT GAS BARRELS
- 24. 0.2 MILES, GATE, LEFT FORK
- 25. 0.1 MILES, LEFT TURN ONTO 2 TRACK
- 26. 0.2 MILES, LEFT FORK
- 27. 0.1 STATION

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7.ai

DESCRIPTION	MANUFACTURER	MODEL	NUMBER	SERIAL	NUMBER	NAMS	ASSET	NUMBER	LAST	CHANGED
Antenna, (Vaisala) Goes - 443A	Vaisala Inc.	443A	1472	103885	Jan 5,	2008				
GPS Receiver -	GPS-16HVS	GPS-16HVS	81107487	103887	Dec 20,	2007				
GPS Receiver -	GPS-16HVS	GPS-16HVS	81107487	103887	Dec 20,	2007				
Generic Solar Pannel	GSP	GSP	C10402162557317	103886	May 2,	2007				

MUDDY CREEK: 327861F6

NWS ID: 481801 **PROPERTY#:** 318481
STATUS: ACTIVE **RAWS SERIAL #:** 88005
LATITUDE:
LONGITUDE:
41:24:01
110:33:05
DCP/DATALOGGER:
DCP SOFTWARE VER:
H555
7.al
ELEVATION: 6970 **DCP PROGRAM:**
SLOPE:
ASPECT DEGREE:
COVER CLASS:
CLIMATE ZONE:
0
0
9
46
CLASS:
CALIBRATION DATE:
INSTALLED DATE:
EFFECTIVE DATE:
1
May 3, 2010 12:00 AM
Aug 10, 1988 12:00 AM
Mar 26, 2007 9:24 PM
STATE: WY **EFFECTIVE TIME:**
COUNTY: Uinta
AGENCY: BLM **TRANSMIT METHOD:** SATELLITE
REGION: WYOMING **TRANSMIT TIME:** 00:43:50:50
UNIT: ROCK SPRINGS **CHANNEL:** 158
OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60
MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60
MAINTAINED BY: BLM **SOLAR RAD CONST:** 86.5
POINT OF CONTACT: Richard Putnam **BP MECH HIGH:** 0
(307) 352-0236 **BP MECH LOW:** 0
RESPONDER:
(307)352-0281
WEIGH GAUGE HIGH:
WEIGH GAUGE LOW:
SITE DESCRIPTION:
SITE SITS ON SMALL KNOB, WITH VALLEYS IN ALL DIRECTIONS
EXC
SE. IS LOCATED IN ROLLING HILLS WITH A LAERGE HILL .5 MILES
TO THE SE.
SITE SITS ON SMALL KNOB, WITH VALLEYS IN ALL DIRECTIONS
EXC
SE. IS LOCATED IN ROLLING HILLS WITH A LAERGE HILL .5 MILES
TO THE SE.
STATION NOTES:
BAD WEATHER TRX, GOOD CELL COVERAGE 10/06
GPS'ed 10/06, Pictures taken 8/8/94
PROGRAM G3-E-0909
access info- Richard Putnam 307-352-0236

ROUTE:

MUDDY CREEK, WYOMING
CLASS I
1. TAKE HWY. 412 NORTH (EXIT# 39). THIS IS APPROX.
30 MILES EAST OF EVANSTON AND 70 MILES
WEST OF ROCK SPRINGS OFF I-80.
2. 6.3 MILES, LEFT TURN (WEST) OFF HWY ONTO TWO TRACK.
(AT MM# 9) THIS LEFT IS ON RIDGETOP APPROX 1.5 MILES BEFORE
CARTER, WY.
DROP/DOWNLOAD 5TH WHEEL HERE.
3. 0.7 MILES, STRAIGHT.
4. 0.4 MILES, LEFT FORK.
5. 1.2 MILES, MAIN ROAD.
6. 0.7 MILES, MAIN ROAD. (STRAIGHT)
7. 0.7 MILES, STRAIGHT. (RIGHT FORK)
8. 0.2 MILES, LEFT FORK. (MAIN ROAD)
9. 0.7 MILES, STRAIGHT.
10. 0.4 MILES, BRIDGE, BE CAREFULL - USE CULVERT RIGHT OF BRIDGE.
11. 0.3 MILES, RIGHT RORK.
12. 0.1 MILES, MAIN ROAD. (LEFT FORK)

13. 0.35 MILES, LEFT FORK (MAIN ROAD).
14. 0.05 MILES, MAIN ROAD.
15. 0.1 MILES, MAIN ROAD.
16. 0.9 MILES, RIGHT FORK.
17. 0.8 MILES, RIGHT FORK.
18. 0.2 MILES, RIGHT FORK, MAIN ROAD.
19. 0.1 MILES, MAIN ROAD.
20. 0.9 MILES, LEFT FORK.
21. 0.6 MILES, LEFT FORK.
22. 0.1 MILES, RESERVOIR. GO TO THE LEFT OF RESERVIOR
23. 0.5 MILES, STATION.
24. STATION ID. 327861F6

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7.ai

DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED

Tipping Bucket - 444A

(Vaisala)

Vaisala Inc 444A 1473 7630 Mar 31, 2008

Antenna, (Vaisala) Goes -

443A

Vaisala Inc. 443A 2004 103921 Jan 5, 2008

GPS Receiver - GPS-16HVS GPS-16HVS 81108033 103923 Dec 20, 2007

GPS Receiver - GPS-16HVS GPS-16HVS 81108033 103923 Dec 20, 2007

DCP - H555B Vaisala Inc. H555B Y46102 103925 Dec 18, 2007

Generic Solar Pannel GSP GSP C10402172557337 103922 Mar 26, 2007

SNOW SPRINGS CREEK: 32789172

NWS ID: 481904 **PROPERTY#:** 318485
STATUS: ACTIVE **RAWS SERIAL #:** 88009

LATITUDE:

LONGITUDE:

41:25:02

109:02:09

DCP/DATALOGGER:

DCP SOFTWARE VER:

H555

7.aL

ELEVATION: 7550 **DCP PROGRAM:**

SLOPE:

ASPECT DEGREE:

COVER CLASS:

CLIMATE ZONE:

0

0

6

25

CLASS:

CALIBRATION DATE:

INSTALLED DATE:

EFFECTIVE DATE:

1

May 7, 2010 12:00 AM

Aug 11, 1988 12:00 AM

Mar 27, 2007 7:59 PM

STATE: WY **EFFECTIVE TIME:**

COUNTY: Sweetwater

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE

REGION: WYOMING **TRANSMIT TIME:** 00:44:00:0

UNIT: ROCK SPRINGS **CHANNEL:** 158

OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60

MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60

MAINTAINED BY: BLM **SOLAR RAD CONST:** 84.4

POINT OF CONTACT: Richard Putnam **BP MECH HIGH:** 0

(307) 352-0236 **BP MECH LOW:** 0

RESPONDER:

SITE DESCRIPTION:

FAIRLY FLAT WITH A SLIGHT SLOPE SOUTH, SHORT SAGE BRUCH WITH

SPARCE RANGE GRASS. OPEN AREA ON A KNOWEL OVERLOOKING CANYONS TO THE NORTH, SOUTH, AND EAST. STATION IS FENCED IN.

FAIRLY FLAT WITH A SLIGHT SLOPE SOUTH, SHORT SAGE BRUCH WITH

SPARCE RANGE GRASS. OPEN AREA ON A KNOWEL OVERLOOKING CANYONS TO THE NORTH, SOUTH, AND EAST. STATION IS FENCED IN.

STATION NOTES:

GPS'ED & PICTURES TAKEN 8/9/94

CELL PHONE COVERAGE. PGM NAME: G3-E-0909.

Access info- Richard Putnam 307-352-0236

ROUTE:

1. FROM ROCK SPRINGS GO SOUTH ON HWY. 430.
2. 4.0 MILES, RIGHT TURN. DIRECTLY ACROSS ENTRANCE TO CHEMICAL CO. (COUNTY ROAD #27)
3. 2.8 STAY ON MAIN ROAD.
4. 1.2 STRAIGHT ON MAIN RD.
5. 2.0 MILES, STAY ON MAIN RD 27.
6. 3.4 MILES, RIGHT FORK.
7. 1.7 MILES, CONT. STRAIGHT.(LEFT)
- SIGN ON RIGHT - PICNIC AREA. DROP TRAILER HERE.
8. 0.05 MILES, RIGHT FORK ONTO OLDER TWO TRACK.
9. 0.9 MILES, RIGHT FORK.
10. 0.2 MILES, STRAIGHT THRU INTERSECTION.
11. 0.4 MILES, LEFT FORK.
12. 0.5 MILES, RIGHT FORK.
13. 1.5 MILES, LEFT FORK.
14. 1.0 MILES, STATION.
15. STATION ID. 32789172

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7.aL

DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED

Tipping Bucket - 444A Vaisala Inc 444A 562 10713 May 13, 2008

Antenna, (Vaisala) Goes -

443A

Vaisala Inc. 443A 0987A00958 103945 Jan 5, 2008

DCP - H555B Vaisala Inc. H555B Y48310 103949 Dec 18, 2007

Generic Solar Pannel GSP GSP C10402162557318 103946 Mar 27, 2007

High Plains District

CASPER MOUNTAIN: 3264B19C

NWS ID: 481502 **PROPERTY#:** 354764

STATUS: ACTIVE **RAWS SERIAL #:** 90037

LATITUDE:

LONGITUDE:
42:42:39

106:20:49

DCP/DATALOGGER:

DCP SOFTWARE VER:

H555

7.aL

ELEVATION: 7740 **DCP PROGRAM:**

SLOPE:

ASPECT DEGREE:

COVER CLASS:

CLIMATE ZONE:

3

180

9

46

CLASS:

CALIBRATION DATE:

INSTALLED DATE:

EFFECTIVE DATE:

1

Jul 15, 2010 12:00 AM

Aug 5, 1992 12:00 AM

May 2, 2007 2:58 PM

STATE: WY **EFFECTIVE TIME:**

COUNTY: Natrona

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE

REGION: WYOMING **TRANSMIT TIME:** 00:52:20:20

UNIT: CASPER **CHANNEL:** 138

OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60

MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60

MAINTAINED BY: BLM **SOLAR RAD CONST:** 86

POINT OF CONTACT: Eric Chapman **BP MECH HIGH:** 0

(307)247-0939 **BP MECH LOW:** 0

RESPONDER:

WEIGH GAUGE HIGH:

WEIGH GAUGE LOW:

SITE DESCRIPTION:

STATION SITS ON WEST END OF E-W RUNNING FINGER RIDGE.
WIDE VALLEY 5 MILES TO THE WEST. NARROW VALLEY AND
MTNS.

TO THE SOUTH. DRAW AND MTNS. TO THE NORTH. ROCKY,
SAGEBRUSH

GRASS, AND MIXED PINE.

STATION SITS ON WEST END OF E-W RUNNING FINGER RIDGE.
WIDE VALLEY 5 MILES TO THE WEST. NARROW VALLEY AND
MTNS.

TO THE SOUTH. DRAW AND MTNS. TO THE NORTH. ROCKY,
SAGEBRUSH

GRASS, AND MIXED PINE.

STATION NOTES:

TRX WET/DRY,

Program = 03-E-0809

GPS'D

May 7 2010- - no access - snow. Cp

ROUTE:

CASPER MTN., WYOMING

IN CASPER TAKE I-25 SOUTH TO EXIT 187, TURN

RIGHT ONTO MCKINLEY ST. START MILEAGE HERE.

1. 0.2 MILES, RIGHT TURN ONTO "C" ST.

2. .45 MILES, LEFT TURN ONTO WOLCOTT ST.

3. 1.3 MILES, CONTINUE STRAIGHT (TURNS

INTO HWY. 251).

4. 2.1 STRAIGHT HWY.251

5. 1.9 MILES, LEFT FORK, STAY ON 251.

6. 3.8 MILES, RIGHT FORK. (LEAVE HWY. 251), Rd 504

7. 0.7 MILES, LEFT FORK ONTO GRAVEL ROAD.

DROP ATV, 5TH WHEEL TURN HERE

8. 0.4 MILES, RADIO TOWER & BLDG ON RIGHT.

DO NOT DRIVE BEYOND HERE GOOD TURN AROUND

9. 0.1 MILES, LEFT FORK.
10. 0.1 MILES, CONTINUE STRAIGHT, MAIN ROAD.
11. .05 MILES, LEFT FORK.
12. .05 MILES, RIGHT FORK.
13. 0.1 MILES, CONT. STRAIGHT LOG CABIN ON RIGHT.
14. 0.2 MILES, LEFT FORK, MAIN ROAD.
15. 0.4 MILES, RIGHT FORK, RADIO TOWER ON RIGHT
16. .05 MILES, RIGHT TURN.
17. 0.2 MILES, RIGHT FORK, MAIN ROAD, STAY ON MAIN ROAD.
18. 0.4 MILES, LEFT FORK, MAIN ROAD.
19. 0.3 MILES, RIGHT TURN.
20. 0.2 MILES, RIGHT FORK THRU FENCE ON 2 TRACK.
21. 0.4 MILES, SHARP TURN TO LEFT GOING DOWN HILL. APPROX. 3/4 THROUGH
TURN, RIGHT TURN ONTO FAINT 2 TRACK.
22. 0.3 MILES, STATION.
23. STATION ID. 3264b19c TX. 00:42:15 ch 76
POC: JIM JOHNSON (307) 261-7690
TRX WET/DRY
*****LAND OWNER HAS CLOSED FENCE AT #20, POC CONTACTED THEY NEED TO GET
ACCESS OR MOVE STATION***** 07/2003

ALTERNATE DIRECTIONS

1. OFF I-25 TAKE EXIT 185 AND TURN SOUTH ON WYOMING BLVD
2. 5.4 MILES LEFT TURN ONTO CASPER MTN RD. AT THE STOP LIGHT.
3. CLIMB MTN & ONCE ON TOP, RIGHT TURN ON RD 504 AND THEN
FOLLOW STEP #7.

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7.aL
DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED
Tipping Bucket - 444A
(Vaisala)
Vaisala Inc 444A 2103 119058 Jul 8, 2009
DCP - H555B Vaisala Inc. H555B C3410027 7043 Mar 10, 2009
Antenna, (Vaisala) Goes -
443A
Vaisala Inc. 443A 2624 103873 Jan 5, 2008
Solar Radiation - 441A LI-COR 441A PY39780 103878 May 2, 2007

ECHETA: 3278318A

NWS ID: 480501 **PROPERTY#:** 318480
STATUS: ACTIVE **RAWS SERIAL #:** 88004

LATITUDE:
LONGITUDE:

44:27:55
105:50:39

DCP/DATALOGGER:

DCP SOFTWARE VER:

H555

7aL

ELEVATION: 4320 **DCP PROGRAM:**

SLOPE:

ASPECT DEGREE:

COVER CLASS:

CLIMATE ZONE:

0

0

22

32

CLASS:

CALIBRATION DATE:

INSTALLED DATE:

EFFECTIVE DATE:

1

Jul 13, 2010 12:00 AM

Aug 9, 1988 12:00 AM

Apr 30, 2007 7:39 PM

STATE: WY **EFFECTIVE TIME:**

COUNTY: Campbell

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE

REGION: WYOMING **TRANSMIT TIME:** 00:51:00:0

UNIT: CASPER **CHANNEL:** 158

OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60

MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60

MAINTAINED BY: BLM **SOLAR RAD CONST:** 92.6

POINT OF CONTACT: Eric Chapman **BP MECH HIGH:** 0

(307)-247-0939 **BP MECH LOW:** 0

RESPONDER:

WEIGH GAUGE HIGH:

WEIGH GAUGE LOW:

SITE DESCRIPTION:

STATION SETS ON TOP OF BARREN FLAT KNOLL OVERLOOKING

TWO

SHALLOW RAVINES. KNOLL SLOPES NORTHEAST TO A FENCE LINE

WHICH MARKES THE EDGE OF BLM LAND. THE LANDFALL IS OF

RUGGED TERRAIN FOR 30 MILES.

STATION SETS ON TOP OF BARREN FLAT KNOLL OVERLOOKING

TWO

SHALLOW RAVINES. KNOLL SLOPES NORTHEAST TO A FENCE LINE

WHICH MARKES THE EDGE OF BLM LAND. THE LANDFALL IS OF

RUGGED TERRAIN FOR 30 MILES.

STATION NOTES:

TRX NEEDED WHEN WET, LOCATED NEXT TO OIL FIELD ROAD.

NO CELL COVERAGE

IMPROVED ROAD TO SITE (MAY2008). Program = 03-E-0809

BATT Date: 06/08

ROUTE:

ECHETA, WYOMING

CLASS I

1. OFF I-90 AT EXIT 124 AND GO NORTH

TOWARDS GILLETTE. START MILEAGE.

2. 0.15 MILES, LEFT TURN AT LIGHT.

3. 0.1 MILES, LEFT TURN AT LIGHT (BEFORE

R/R UNDERPASS) ONTO ECHETA RD

4. 5.8 MILES, RIGHT FORK (CATTLE GUARD)

STAY ON OIL.

5. 2.9 CATTLE GUARD, R/R TRACKS, ROAD

URNS TO GRAVEL. REFINERY ON LEFT.

6. 2.0 MILES, CATTLE GUARD.

7. 1.0 MILES, CATTLE GUARD.

8. 2.0 MILES, CATTLE GUARD.

9. 1.0 MILES, CATTLE GUARD.

10. 3.2 MILES, CATTLE GUARD.

11. 1.4 MILES, CATTLE GUARD.

12. 0.7 MILES, CATTLE GUARD.

13. 1.5 MILES, BRIDGE.

14. 0.3 MILES, CATTLE GUARD.
15. 1.5 MILES, R/R TRACK AND CATTLE GUARD.
16. TAKE HARD RIGHT ACROSS GATE & CATTLE GUARD.
17. .6 MILES, UNLOAD TRAILER NEXT TO GAS COMPANY FENCED YARD.
18. .3 MILES, CATTLE GUARD AND GATE.
19. 1 MILE, STRIGHT AT INTERSECTION
20. .5 MILES STAY MAIN ROAD
21. .6 AFTER HILL, SHARP RIGHT TO STATION
STATION ID. 3278318A TX. 00:51:02 CH. 158
MPOC: JAY ESPERANCE - GILLETE
307 261-7690

ALTERNATE DIRECTIONS.

AFTER CROSSING RR TRACKS #15.
16A. .05 MILES, RIGHT TURN, CROSS CG.
17A. 1.0 MILES, THRU GATE.
18A. 1.9 MILES. STATION UPHILL ON RIGHT.
RANCH OWNED BY EATON BROS. T.J. FERGUSON IS RANCH MANAGER. HOUSE PHONE
(307)736-2233, BUNK HOUSE (307)736-2412

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7aL
DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED
GPS Antenna - Omnisat (VAI)
Trimble 56237-52
Trimble 56237-52 22640074 103839 Jun 3, 2010
Wind Speed - 430A (Vaisala) Vaisala Inc. 430A WS 2632 1126 Jun 13, 2008
Antenna, (Vaisala) Goes -
443A
Vaisala Inc. 443A 2011 103837 Jan 5, 2008
DCP - H555B Vaisala Inc. H555B A1350004 103841 Dec 18, 2007
Generic Solar Pannel GSP GSP C10312292311087 103838 Apr 30, 2007
Solar Radiation - 441A LI-COR 441A PY50389 103845 Apr 30, 2007

FALES ROCK: 3265139E

NWS ID: 481503 **PROPERTY#:** 354768
STATUS: ACTIVE **RAWS SERIAL #:** 90041
LATITUDE:
LONGITUDE:
42:51:23
107:16:19
DCP/DATALOGGER:
DCP SOFTWARE VER:
H555
7aL

ELEVATION: 6380 **DCP PROGRAM:**
SLOPE:
ASPECT DEGREE:
COVER CLASS:
CLIMATE ZONE:

1
315
6
46

CLASS:
CALIBRATION DATE:
INSTALLED DATE:
EFFECTIVE DATE:

1
Jul 15, 2010 12:00 AM
Aug 5, 1992 12:00 AM
Apr 30, 2007 7:55 PM

STATE: WY **EFFECTIVE TIME:**
COUNTY: Natrona

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE
REGION: WYOMING **TRANSMIT TIME:** 00:10:30:30
UNIT: CASPER **CHANNEL:** 80
OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60
MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60
MAINTAINED BY: BLM **SOLAR RAD CONST:** 94.5
POINT OF CONTACT: ERIC Chapman **BP MECH HIGH:** 0
(307)247-0939 **BP MECH LOW:** 0

RESPONDER:
WEIGH GAUGE HIGH:
WEIGH GAUGE LOW:
SITE DESCRIPTION:

STATION SITS ON SMALL S.E. TO N.W FINGER RIDGE, JUST 15 YARDS SOUTH OF A 30 FT. WEATHER WITH AN RM YOUNG ON TOP.
THERE ARE ROLLING FOOTHILLS IN ALL DIRECTIONS. KNOB RISES 30' AT 50 YARDS S.E. OF STATIONS. FALES ROCKS 200 YDS WEST.
30' AT 50 YARDS S.E. OF STATIONS. FALES ROCKS 200 YDS WEST.
STATION SITS ON SMALL S.E. TO N.W FINGER RIDGE, JUST 15 YARDS SOUTH OF A 30 FT. WEATHER WITH AN RM YOUNG ON TOP.
THERE ARE ROLLING FOOTHILLS IN ALL DIRECTIONS. KNOB RISES

STATION NOTES:

PROGRAM NAME- 03-E-0809
GPS'D & PHOTO'D,
SOLAR RAD CONSTANT = 94.5
GOOD CELL PHONE COVERAGE MAY08.

ROUTE:

FALES ROCK
CASPER DISTRICT, WYOMING
1. IN CASPER TAKE THE POPLAR EXIT 188B OFF I-25 AND HEAD SOUTH, THEN 0.7 MILES, TAKE A RIGHT TURN AND HEAD WEST ON WEST 1ST ST. (20/26).
2. 2.1 MILES, LEFT TURN ONTO POISON SPIDER RD. (MINI MART ON LEFT)
3. 1.6 MILES, STOP SIGN, CONTINUE STRAIGHT, COUNTY RD. 201.
4. 4.8 MILES, PAVEMENT ENDS.
5. 2.9 MILES, STOP SIGN, TURN RIGHT AND GO 50 YDS TO THE NEXT STOP SIGN. TAKE A LEFT BACK ON PAVEMENT AND POISON SPIDER RD.
6. 2.6 MILES, CATTLE GUARD.
7. 4.8 MILES, CATTLE GUARD.
8. 1.4 MILES, PAVEMENT ENDS, LEFT TURN, RD. # 201.
9. 4.9 MILES, CATTLE GUARD
10. 2.1 MILES, CATTLE GUARD, CONTINUE ON 201.
11. 4.3 MILES, CATTLE GUARD.
12. 0.6 MILES, CONTINUE STRAIGHT ON 201.

13. 2.8 MILES, CATTLE GUARD.
14. 6.2 MILES, CATTLE GUARD.
15. 3.5 MILES, CATTLE GUARD.
16. 2.1 MILES, CATTLE GUARD.
17. 2.4 MILES, RIGHT TURN ONTO 2-TRACK TOWARDS ROCKS.
18. 0.2 MILES, RIGHT TURN ONTO FAINT 2-TRACK HEADING UP BETWEEN ROCK OUTCROPPINGS.
19. 0.3 MILES, STATION.

****ALTERNATE DIRECTIONS TO AVOID DOWNTOWN****

EXIT 189 NORTH OF CASPER, LEFT UNDER OVERPASS START MILAGE.

1. 2.6 MILES, RIGHT AT STOP LIGHT TO SHOSHONI
2. 0.3 MILES, LEFT ON ZERO RD.
3. 2.4 MILES, STOP SIGN, CONTINUE STRAIGHT ON ZERO RD.
4. 6.4 MILES, CONTINUE STRAIGHT WITH #6 ABOVE

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7aL

DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED

DCP - H555B Vaisala Inc. H555B C3410011 12202 Mar 11, 2009

Antenna, (Vaisala) Goes -
443A

Vaisala Inc. 443A 2630 103861 Jan 5, 2008

Solar Radiation - 441A LI-COR 441A PY52503 103870 Apr 30, 2007

Tipping Bucket - H-340 Design Analysis Associates,
Inc. (Waterlog)

H340 2081 103868 Apr 30, 2007

POKER CREEK: 3264E1E0

NWS ID: 481003 **PROPERTY#:** 354767
STATUS: ACTIVE **RAWS SERIAL #:** 90040
LATITUDE:
LONGITUDE:
43:34:09
106:58:41
DCP/DATALOGGER:
DCP SOFTWARE VER:
H555
7.aL

ELEVATION: 6440 **DCP PROGRAM:**

SLOPE:
ASPECT DEGREE:
COVER CLASS:
CLIMATE ZONE:

4
0
6
46

CLASS:
CALIBRATION DATE:
INSTALLED DATE:
EFFECTIVE DATE:

1
Jul 14, 2010 12:00 AM
Aug 6, 1992 12:00 AM
Apr 26, 2007 12:09 AM

STATE: WY **EFFECTIVE TIME:**

COUNTY: Johnson

AGENCY: BLM **TRANSMIT METHOD:** SATELLITE
REGION: WYOMING **TRANSMIT TIME:** 00:46:20:23
UNIT: CASPER **CHANNEL:** 38

OWNERSHIP TYPE: FIRE **MIN BETWEEN TRANS:** 60
MAINT CONTRACT: FULL BLM **MIN BETWEEN OBS:** 60
MAINTAINED BY: BLM **SOLAR RAD CONST:** 103.5
POINT OF CONTACT: ERIC Chapman **BP MECH HIGH:** 0
(307)247-0939 **BP MECH LOW:** 0

RESPONDER:
WEIGH GAUGE HIGH:
WEIGH GAUGE LOW:
SITE DESCRIPTION:

STATION SITS ON NORTH SIDE OF FINGER RIDGE. DRAW
DIRECTLY
NORTH OF STATION RUNNING E-W. ROLLING HILLS ALL AROUND.
ROCKY, SCRUB SAGE/GRASS, SPARCE PINE. RED WALL CLIFFS
APPROX. 6 MILES WEST. ***Assigned XMT time is 00:46:20
STATION SITS ON NORTH SIDE OF FINGER RIDGE. DRAW
DIRECTLY
NORTH OF STATION RUNNING E-W. ROLLING HILLS ALL AROUND.
ROCKY, SCRUB SAGE/GRASS, SPARCE PINE. RED WALL CLIFFS
APPROX. 6 MILES WEST.

STATION NOTES:

PROGRAM NAME 03E-1109
SOLAR RAD CONSTANT = 88.9
GPS LOCATION: 43:34.165//106:58.745

ROUTE:

POKER CREEK, WYOMING
CALL POC FOR LOCKED GATES
FROM CASPER TAKE I-25 NORTH TO EXIT 254, LEFT
ONTO HWY. 191 START MILEAGE HERE.
1. 1.0 MILES, LEFT TURN ONTO HWT. 190.
2. 15.4 MILES, PAVEMENT ENDS, LEFT FORK.
3. .15 MILES, LEFT FORK.
4. .15 MILES, CATTLE GUARD, LEFT FORK.
5. 1.2 MILES, LEFT FORK.
6. .15 MILES, C.G., GATE WITH "HOLE IN THE
WALL" RANCH SIGN.
7. 0.6 MILES, AIRCRAFT HANGAR/MACHINERY
SHED ON RIGHT.
8. 1.5 MILES, BRIDGE.
9. .05 MILES, RANCH ON LEFT, (KEY MAY BE
AVAILABLE HERE. CHECK-IN W/RANCHER!
HOLE IN THE WALL RANCH, JIM RIKENDIFER, 307-738-2373, OWNER
10. .65 MILES, CATTLE GUARD.
11. 0.1 MILES, LEFT TURN OFF MAIN ROAD, SIGNED PRIVATE LAND
12. .15 MILES, RIGHT TURN AWAY FROM DUMP PIT, KIND OF FOLLOW

FENCE LINE (THIS IS GOOD PLACE TO DOWNLOAD ATVS.)
13. 0.5 MILES, RIGHT TURN ONTO 2-TRACK.
14. 0.6 MILES, GATE, MAY BE LOCKED.
15. 1.1 MILES, WATER TANK ON LEFT.
16. 1.0 MILES, BLM SIGN. (FACING WEST)
16A. 0.7 MILES, METAL TANK OFF TO RIGHT
17. 1.0 MILES, GATE. MAY BE LOCKED.
***STATION IS AT ABOUT 1:00, OUT APPX .25 MILES, JUST OVER
HILL TOP, CAN SEE MAST TOP AT APPROX. 1:00***
18. .15 MILES, RIGHT TURN UPHILL AND OVER
HILL TO STATION.
19. 0.2 MILES, STATION.
20. STATION ID. 3264E1E0 TX. 00:43:45 CH. 76
POC: JOE MEYER/JIM JOHNSON (307) 261-7690
TRX WET/DRY

STATION SENSORS:

DCP MODEL: H555 SOFTWARE VER: 7.aL
DESCRIPTION MANUFACTURER MODEL NUMBER SERIAL NUMBER NAMS ASSET NUMBER LAST CHANGED
DCP - H555B Vaisala Inc. H555B A5210007 109530 Jul 20, 2010
GPS Antenna - Omnisat (VAI)
Trimble 56237-52
Trimble 56237-52 15980455 28235 Jun 9, 2010
Antenna, (Vaisala) Goes -
443A
Vaisala Inc. 443A 2622 103849 Jan 5, 2008
Solar Radiation - 441A LI-COR 441A PY34901 103854 Apr 25, 2007
Tipping Bucket - H-340 Design Analysis Associates,
Inc. (Waterlog)
H340 3943 103855 Apr 25, 2007