01-1099

TO; Atmospheric Programs Office, RD 2
National Oceanic and Atmospheric Administration
Rockville, Maryland 20852

Initial Report

NOAA Form 17-4 (4-81) U. S. Dept. of Commerce
Nat'l Oceanic & Atmospheric Adm.
INITIAL REPORT ON WEATHER MODIFICATION ACTIVITIES (P.L. 205, 92ND CONGRESS)

1. Project or Activity Designation, any: Wind River Weather Modification Project

2. Dates of Project

a. Date First Actual Weather Modification Activity is to be undertaken: 15-Nov-01

b. Expected Termination Date of Weather Modification Activities: 4/15/02

3. Purpose of Project or Activity: To increase water supply to Eden Valley Irrigation & Drainage District by increasing snowpack on the Big Sandy River Drainage.

4. (a) Sponsor

Name
Eden Valley Irrigation & Drainage District
Street Address: 13 Highway 28, P. O. Box 174

| City | State | Zip Code |
|---|---|---|
| Farson | Wyoming | 82932 |

4. (b) Operator

Name: Robert Cleveland
Affiliation: Eden Valley Irrigation & Drainage District
Address: P O Box 174, Farson, WY 82932

5. Target and Control Areas

| Target Area | | Control Area | |
|---|---|---|---|
| Location: Big Sandy River Drainage | Size of Area: 180 Sq. Miles | Location: Muddy Ridge | Size of Area: 3 sq. miles |

6. Description of Weather Modification Apparatus, Modification Agents and their Dispersal Rates, The Techniques Employed, etc Ground based AGI - NH4I generators using propane & dispersing about 10-15 grams per hour. A map of the area is attached. Ground based, propaned dispersed. The flow rate is approx. 3 gal. per hour. A map of this area is also attached.

7. Log Books: Enter name, affiliation, address and telephone number of responsible individual from whom log books or other records may be obtained.

Name: Robert Cleveland & Jan Mines
Affiliation: Eden Valley Irrigation & Drainage District
Street Addr: 13 Highway 28, P O Box 174

| City | State | Zip Code |
|---|---|---|
| Farson | Wyoming | 82932 |

This report is reguired by Public Law 92-205,;85 Stat 735; 15 U.S.C.3306. Knowing and willful violation of any rule adopted under the authority of Section 2 of Public Law 92-205 shall subject the person violating such rule to a fine of not more than $10,000 upon conviction thereof.

8. Safety and Environment

YES NO Has an Environmental Impact Stmt., Federal or State been filed? If yes, please furnish a copy as applicable.

YES NO Have provisions been made to acquire the latest forecasts, advisories, warnings, etc. of the National Weather Service, Forest Service, or others when issued prior to and during operations? If yes, please specify on a separate sheet/

YES NO Have any safety procedures (operational constraints, provisions for suspension of operations, monitoring methods, etc.) and any environmental guidelines (related to the possible effects of the operations) been included in the operational plans? If yes, please furnish copies or a description of the specific procedures and guidelines.

9. Optional Remarks: The snowpack in the treated drainage is monitored by U S Conservation Service. If the snowpack exceeds normal by significant amounts, operations are discontinued.

Name
Robert Cleveland
Affiliation: Eden Valley Irrigation & Drainage District
Street Address: 13 Highway 28

| City | State | Zip Code |
|---|---|---|
| Farson | Wyoming | 82932 |

Certification: I certify that these stmts are true, complete and correct to the best of my knowledge and belief.

Signature: Robert Cleveland JM

Official Titl: Manager

Date: 9/18/01 Phone #:(307)273-9566

Mailed out
Last week
should receive
by 5/10/02

**UNITED STATES DEPARTMENT OF COMMERCE**
**National Oceanic and Atmospheric Administration**
OFFICE OF OCEANIC AND ATMOSPHERIC RESEARCH
Office of Weather and Air Quality
1315 East-West Highway
Silver Spring, MD 20910

September 25, 2001

Ms. Jan Mines
Office Manager
Eden Valley Irrigation & Drainage District
P.O. Box 174
Farson, Wyoming 83923

Interim Report

Dear Ms. Mines:

Thank you for your Initial Report on weather modification activities for the Wind River Weather Modification Project. This project was assigned NOAA File Number 01-1099.

As a reminder, please submit a Final Report within 45 days after the project has terminated. This is mandated under Public Law 92-202.

Sincerely,

Karen King

Ms. Karen King, Manager
Weather Modification Activities
Reporting Program

Printed on Recycled Paper

NOAA Form 17-4A (4-81) — U.S. Department of Commerce — National Oceanic & Atmospheric Admin.

INTERIM ACTIVITY REPORTS & FINAL REPORT

This report is required by Public Law 92-205;85 Stat 735;15 U.S.C. 33 Ob. Knowing & willful violation of any rule adopted under the authority of Section 2 of Public Law 92-205 shall subject the person violating such rule to a fine of not more than $10,000 upon conviction thereof.

Complete in accordance with instructions and forward one copy to:
National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research R/PDC
1335 East-West Highway
Silver Spring, MD 20910

| NOAA File Number: | |
|---|---|
| 01-1099 | |
| | Interim Report |
| XXX | Final Report |
| Reporting Period | |
| From: 1/1/02 | TO: 4/15/02 |

| Month | # of Mod Days | Number of Modification Days per Major Purpose (b) Inc Precip | Alleviate Hail | Alleviate Fog | Alleviate Other | Hours of Apparatus Operation by Type (c) Airborne | Hours of Apparatus Operation by Type (c) Ground | Type and Amount of Agent Used (d) Silver Iodide | Carbon Dioxide | Urea | Sodium Chloride | Other |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jan | Non Operational Month | | | | | | | | | | | |
| Feb | Non Operational Month | | | | | | | | | | | |
| March | 3 | | | | snow | | 20 | 240 | | | | |
| April | Non Operational Month | | | | | | | | | | | |
| May | | | | | | | | | | | | |
| June | | | | | | | | | | | | |
| July | | | | | | | | | | | | |
| August | | | | | | | | | | | | |
| Sept | | | | | | | | | | | | |
| Oct | | | | | | | | | | | | |
| Nov | | | | | | | | | | | | |
| Dec | | | | | | | | | | | | |
| **Total** | **3** | | | | | | **20.0** | **240.0** | | | | |
| Intermim | 8 | | | | | | 165 | 1980 | | | | |
| Final | | | | | | | | | | | | |
| Total | 11 | | | | | | 185 | 2220 | | | | |

Date on Which Final Weather Mod. Activity Occurred (For Final Report Only)

CERTIFICATION: I certify that all statements in this report on this weather mod. project are complete & correct to the best of my knowledge & are made in good faith.

**Name of Reporting Person:** Robert Cleveland

**Affiliation** Eden Valley Irrigation & Drainage District

**Signature:** Robert Cleveland

**Street Address:** P O Box 174
Farson, WY 82932

**Official Title:** Manager

| City: | State: | Zip Cd | Date: |
|---|---|---|---|
| Farson | WY | 82932 | |

NOAA Form 17-4A — U.S. Department of Commerce
(4-81) — National Oceanic & Atmospheric Admin.

**INTERIM ACTIVITY REPORTS & FINAL REPORT**

This report is required by Public Law 92-205;85 Stat 735;15 U.S.C. 33 Ob. Knowing & willful violation of any rule adopted under the authority of Section 2 of Public Law 92-205 shall subject the person violating such rule to a fine of not more than $10,000 upon conviction thereof.

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National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research R/PDC
1335 East-West Highway
Silver Spring, MD 20910

**NOAA File Number:** 01-1099

XXX **Interim Report**

**Final Report**

**Reporting Period**
**From:** 11/15/02 **TO:** 12/31/01

| Month | # of Mod Days | Number of Modification Days per Major Purpose (b) Inc Precip | Alleviate Hail | Alleviate Fog | Other | Hours of Apparatus Operation by Type (c) Airborne | Ground | Type and Amount of Agent Used (d) Silver Iodide | Carbon Dioxide | Urea | Sodium Chloride | Other |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jan | | | | | | | | | | | | |
| Feb | | | | | | | | | | | | |
| March | | | | | | | | | | | | |
| April | | | | | | | | | | | | |
| May | | | | | | | | | | | | |
| June | | | | | | | | | | | | |
| July | | | | | | | | | | | | |
| August | | | | | | | | | | | | |
| Sept | | | | | | | | | | | | |
| Oct | | | | | | | | | | | | |
| Nov | 6 | | | | snow | | 124.5 | 1494.0 | | | | |
| Dec | 2 | | | | snow | | 40.5 | 486.0 | | | | |
| **Total** | **8** | | | | | | **165.0** | **1980.0** | | | | |
| Total for Final Report | | | | | | | | | | | | |

Date on Which Final Weather Mod. Activity Occurred (For Final Report Only)

CERTIFICATION: I certify that all statements in this report on this weather mod. project are complete & correct to the best of my knowledge & are made in good faith.

**Name of Reporting Person:** Robert Cleveland

**Affiliation** Eden Valley Irrigation & Drainage District

**Signature:** Robert Cleveland

**Street Address:** P O Box 174
Farson, WY 82932

**Official Title:** Manager

**City:** Farson **State:** WY **Zip Cd** 82932

**Date:**

EDEN VALLEY IRRIGATION & DRAINAGE DISTRICT
P O BOX 174
FARSON, WYOMING 83923
(307) 273-9566

SEPTEMBER 18, 2001

Ms. Karen King, Manager
Weather Modification Activities Reporting Program
NOAA/Office of Oceanic and Atmospheric Research
1315 East-West Highway
SSMC3, R/WA, Room 11216
Silver Spring, MD 20910

Dear Ms. King:

Please find enclosed the Initial Report for our Weather Modification activities and a map of the target areas for our project.

Please assign us a NOAA file number for the 2001-2002 season, which will run from November 15, 2001 to April 15, 2002.

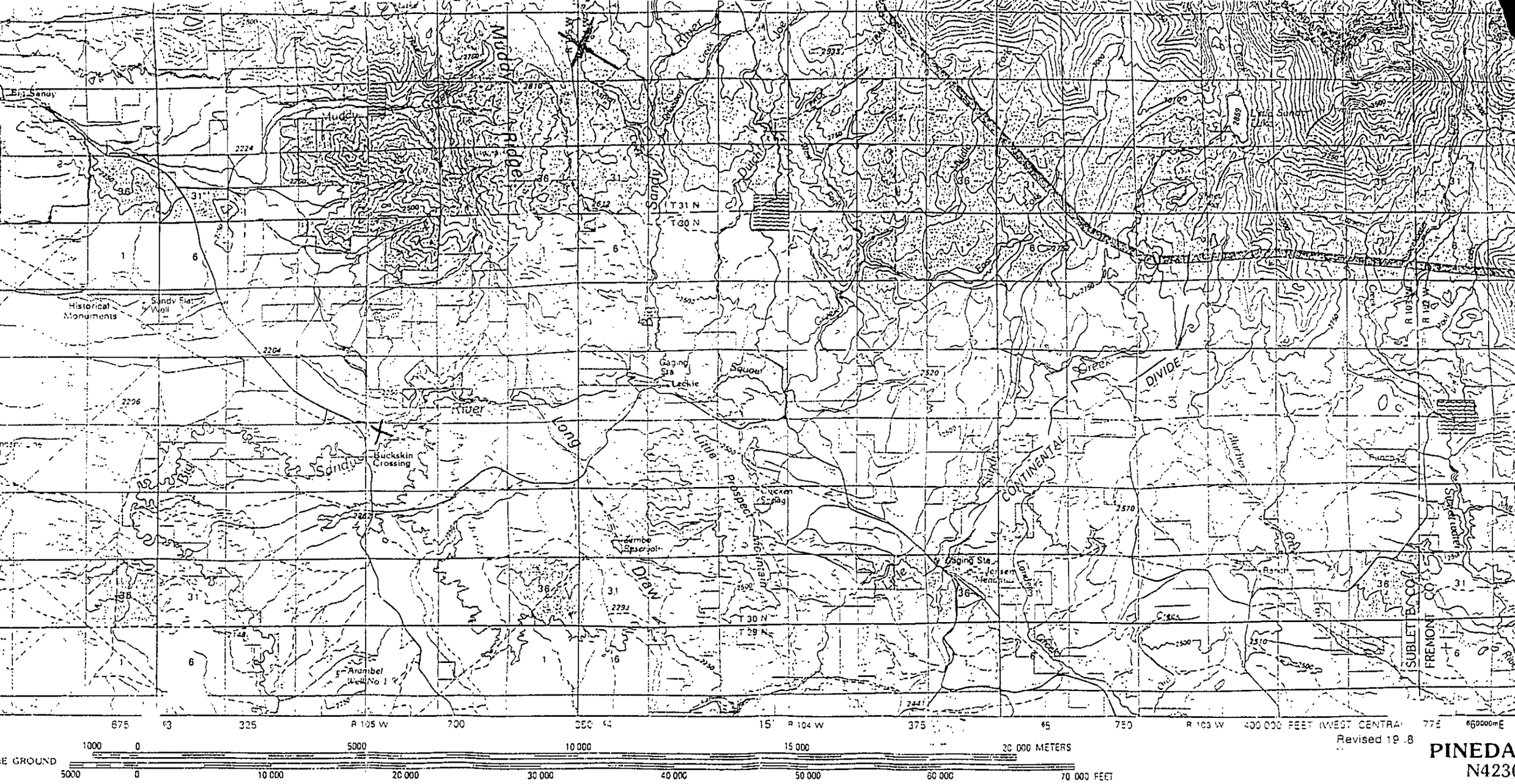
We appreciate your help in this matter.

Sincerely,

Jan Mines
Office Manager

jm

Enclosures



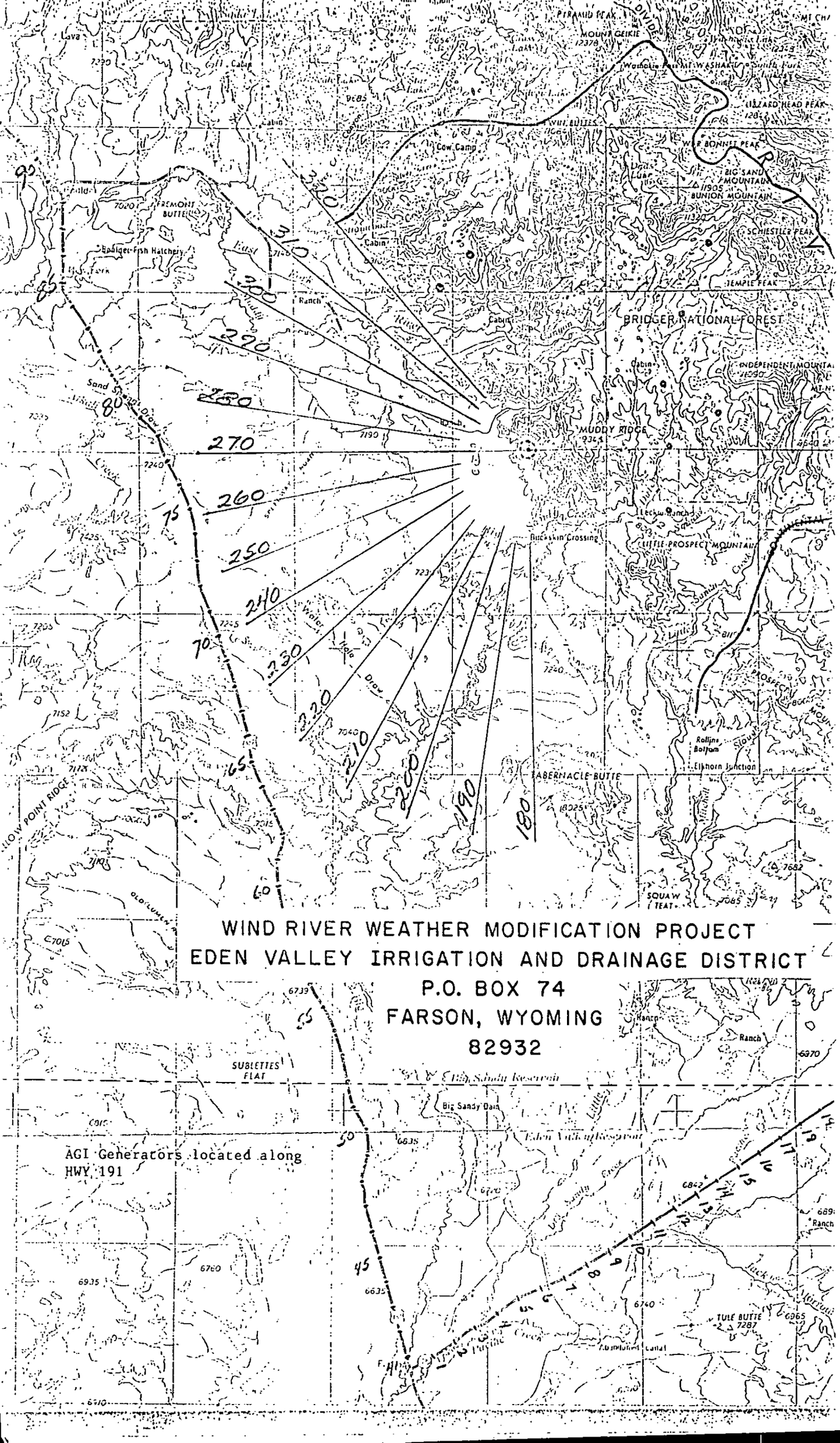

ELEN VALLEY IRRIGATION
PROPOSED WEATHER MODIFICATION SITE.

BIG SANDY OPENING
LAT. - N42° 36' 18.9"
LONG - W109°, 13', 13.7"
SECTION 19, T31N R104W

Department of Energy (DOE)

NONE

State, County, City, Wildlife, Park and Outdoor Recreation Areas


WIND RIVER WEATHER MODIFICATION PROJECT
EDEN VALLEY IRRIGATION AND DRAINAGE DISTRICT
P.O. BOX 74
FARSON, WYOMING
82932
AGI Generators located along
HWY. 191
320
310
300
290
280
270
260
250
240
230
220
210
200
190
180
95
90
85
80
75
70
65
60
55
50
45
BRIDGER NATIONAL FOREST
MUDDY RIDGE
TABERNACLE BUTTE
LITTLE PROSPECT MOUNTAIN
SUBLETTES FLAT
TULE BUTTE
Big Sandy Dam
Eden Valley Irrigation Canal