02-1126

Complete in accordance with instructions on reverse and forward copy:

TO: National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research
1315 East-West Highway SSMC-3 Room 11554
Silver Spring, MD 20910

Form Approved: OMB No. 0648-0025 Expires 10/31/2001

NOAA FORM 17-4 (4-81) — U.S. DEPARTMENT OF COMMERCE
NAT'L OCEANIC AND ATMOSPHERIC ADM.

INITIAL REPORT ON WEATHER MODIFICATION ACTIVITIES (P.L. 205, 92ND. CONGRESS)

1. PROJECT OR ACTIVITY DESIGNATION, IF ANY
Cache County

2. DATES OF PROJECT
a. DATE FIRST ACTUAL WEATHER MODIFICATION ACTIVITY IS TO BE UNDERTAKEN: 12/01/2001
b. EXPECTED TERMINATION DATE OF WEATHER MODIFICATION ACTIVITIES: 03/31/2002

3. PURPOSE OF PROJECT OR ACTIVITY
Augment Winter Snowpack

4. (a) SPONSOR

NAME		
Lynn Lemon		
AFFILIATION: Cache County, Utah	PHONE NUMBER: (801) 257-5101	
STREET ADDRESS: 120 North 100 West		
CITY: Logan	STATE: Ut	ZIP CODE: 84321

4. (b) OPERATOR

NAME		
Don Griffith		
AFFILIATION: North American weather Consultants, Inc.	PHONE NUMBER: (801) 984-6600	
STREET ADDRESS: 9678 South 700 East, Ste. 101		
CITY: Sandy	STATE: UT	ZIP CODE: 84070

5. TARGET AND CONTROL AREAS *(See Instructions)*

TARGET AREA		CONTROL AREA	
LOCATION: see figure	SIZE OF AREA: 150 SQ.MI	LOCATION: see figure	SIZE OF AREA: 450 SQ.MI.

6. DESCRIPTION OF WEATHER MODIFICATION APPARATUS, MODIFICATION AGENTS AND THEIR DISPERSAL RATES, THE TECHNIQUES EMPLOYED, ETC. *(See Instructions)*
Approximately 25 ground-based silver iodide generators will be utilized. Each generator will emit 8 grams per hour of silver iodide. Perational decisions will be made from NAWC offices in Sandy, Utah.

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

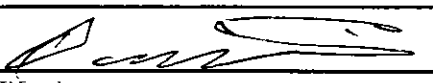
NAME		
Don Griffith		
AFFILIATION: same	PHONE NUMBER:	
STREET ADDRESS:		
CITY:	STATE:	ZIP CODE:

THIS REPORT IS REQUIRED BY PUBLIC LAW 92-205; 85 STAT 735; 15 U.S.C. 330b. 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 [X] NO — Has an Environmental Impact Statement, Federal or State been filed? If yes, please furnish a copy as applicable.
- [X] 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.
- [X] 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 *(See Instructions. Use Separate Sheet.)*

NAME	CERTIFICATION: I certify that the above statements are true, complete and correct to the best of my knowledge and belief.	
Don Griffith		
AFFILIATION: Morth American Weather Consultants, Inc.	SIGNATURE: 	
STREET ADDRESS: 9678 South 700 East	OFFICIAL TITLE: President	
CITY: Sandy / STATE: UT / ZIP CODE: 84070	DATE: 11/21/2001	PHONE NUMBER: 984-6600

NOAA FORM 17-4A (4-81)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Form Approved OMB No. 0648-0025
Expires 10/31/2001

INTERIM ACTIVITY REPORTS AND FINAL REPORT

This report is required by Public Law 92-205; 85 Stat. 735; 145 U.S.C. 330b. 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.

NOAA FILE NUMBER: 02-1126

[x] INTERIM REPORT [ ] FINAL REPORT

Complete in accordance with instructions on reverse and forward one copy to:
National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research
1315 East-West Highway SSMC-3 Room 11554
Silver Spring, MD 20910

REPORTING PERIOD: FROM 12/01/2001 TO 12/31/2001

MONTH	(a) NUMBER OF MODIFICATION DAYS	(b) NUMBER OF MODIFICATION DAYS PER MAJOR PURPOSE				(c) HOURS OF APPARATUS OPERATION BY TYPE		(d) TYPE AND AMOUNT OF AGENT USED				
		INCREASE PRECIPITATION	ALLEVIATE		OTHER	AIRBORNE	GROUND	SILVER IODIDE	CARBON DIOXIDE	UREA	SODIUM CHLORIDE	OTHER
			HAIL	FOG								
JANUARY												
FEBRUARY												
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER	9	9					715	5,722				
TOTAL	9	9	0	0	0	0	715	5,722	0	0	0	0
TOTALS FOR FINAL REPORT												

DATE ON WHICH FINAL WEATHER MODIFICATION ACTIVITY OCCURRED *(For Final Report only.)*

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

NAME OF REPORTING PERSON: Don Griffith

AFFILIATION: North American Weather Consultants

SIGNATURE:

STREET ADDRESS: 9678 S. 700 E., Suite 101

OFFICIAL TITLE: President

CITY: Sandy STATE: UT ZIP CODE: 84070

DATE: 01/03/2002

NOAA FORM 17-4A (4-81)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Form Approved OMB No. 0648-0025
Expires 10/31/2001

INTERIM ACTIVITY REPORTS AND FINAL REPORT

This report is required by Public Law 92-205; 85 Stat. 735; 145 U.S.C. 330b. 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.

NOAA FILE NUMBER: 02-1126

[ ] INTERIM REPORT [x] FINAL REPORT

Complete in accordance with instructions on reverse and forward one copy to:
National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research
1315 East-West Highway SSMC-3 Room 11554
Silver Spring, MD 20910

REPORTING PERIOD: FROM 12/01/2001 TO 03/31/2002

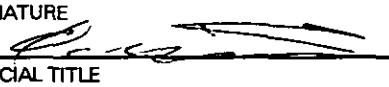
MONTH	(a) NUMBER OF MODIFICATION DAYS	(b) NUMBER OF MODIFICATION DAYS PER MAJOR PURPOSE				(c) HOURS OF APPARATUS OPERATION BY TYPE		(d) TYPE AND AMOUNT OF AGENT USED				
		INCREASE PRECIPITATION	ALLEVIATE HAIL	ALLEVIATE FOG	OTHER	AIRBORNE	GROUND	SILVER IODIDE	CARBON DIOXIDE	UREA	SODIUM CHLORIDE	OTHER
JANUARY	5	5					466	3,728				
FEBRUARY	3	3					131	1,048				
MARCH	4	4					221	1,768				
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER												
DECEMBER	9	9					715	5,720				
TOTAL	21	21	0	0	0	0	1,533	12,264	0	0	0	0
TOTALS FOR FINAL REPORT	21	21	0	0	0	0	1,533	12,264	0	0	0	0

DATE ON WHICH FINAL WEATHER MODIFICATION ACTIVITY OCCURRED *(For Final Report only.)* 03/24/2002

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

NAME OF REPORTING PERSON: Don Griffith

AFFILIATION: North American Weather Consultants

SIGNATURE: 

STREET ADDRESS: 9678 S. 700 E., Suite 101

OFFICIAL TITLE: President

CITY: Sandy | STATE: UT | ZIP CODE: 84070

DATE: 04/19/2002

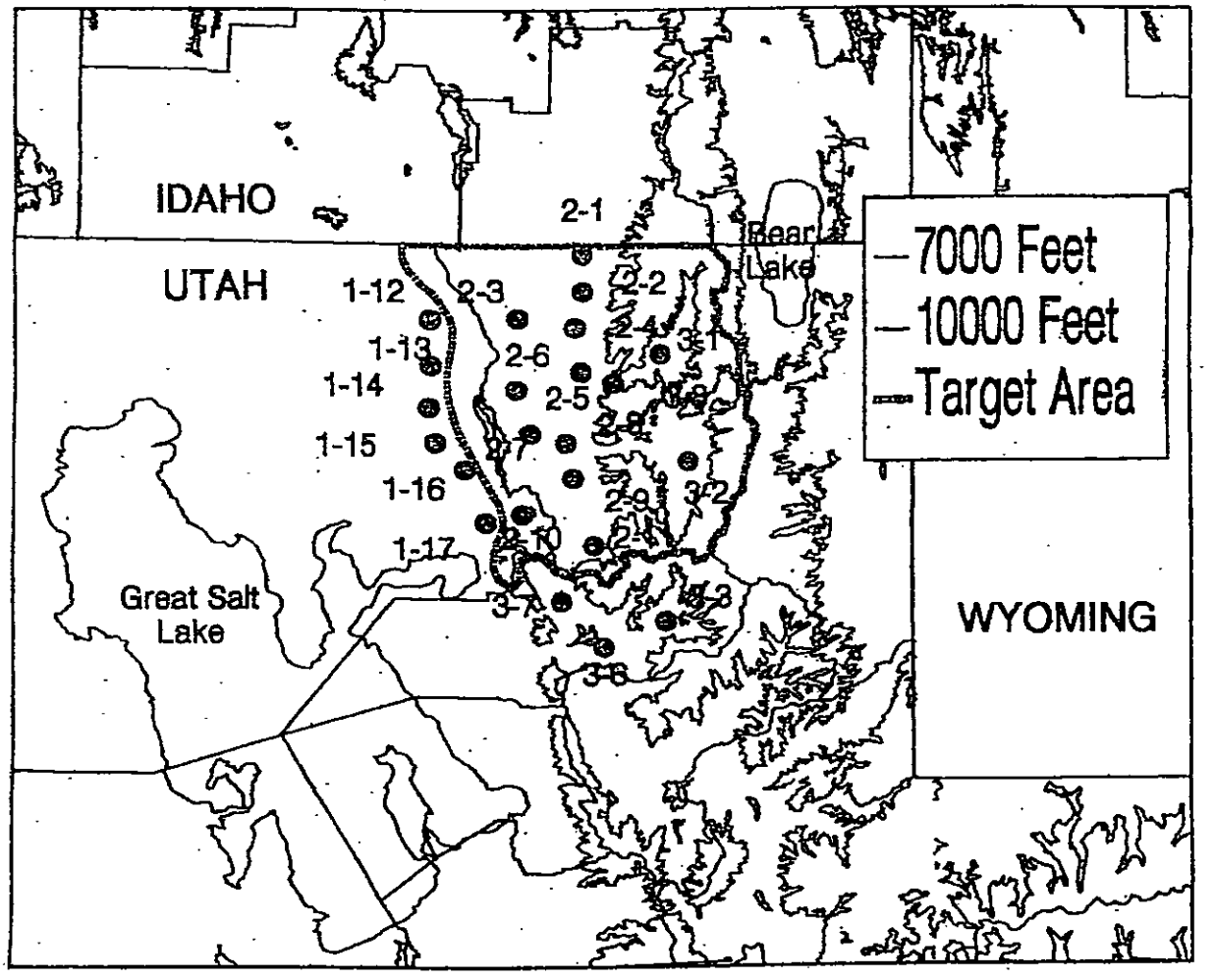


Figure 2.1 **CNG Sites for the Northern Utah Weather Modification Program,**

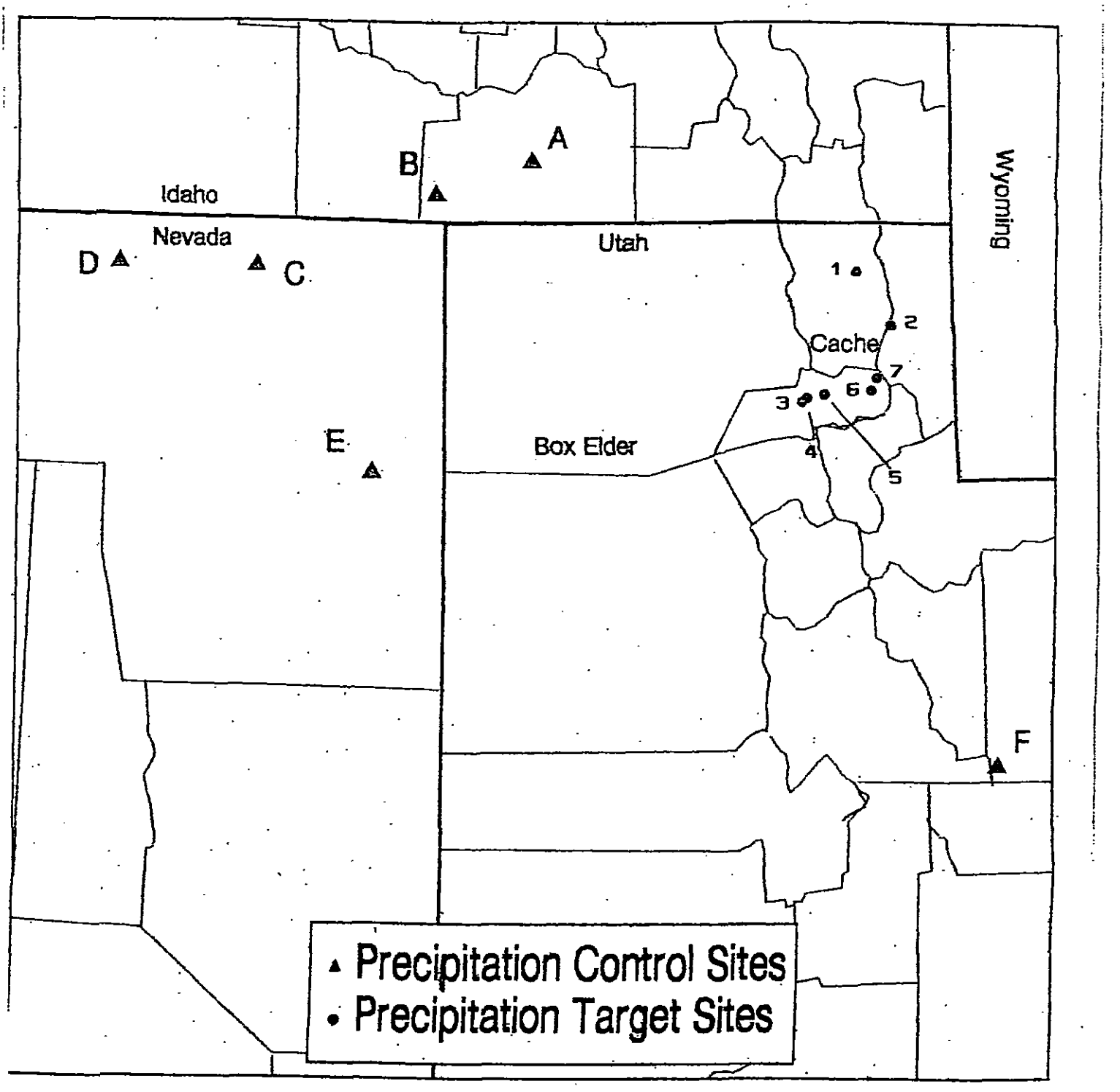


Figure 4.1 · Precipitation Gauge Sites Used in Evaluation.

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

December 6, 2001

Mr. Don A. Griffith
President
North American Weather Consultants, Inc.
9678 South 700 East, Suite 101
Sandy, UT 84070

Dear Mr. Griffith:

Thank you for your Initial Reports for weather modification activities for Cache County, Santa Barbara and Southern San Luis Obispo Counties and Western Uintas. Your projects have been assigned the following NOAA file numbers:

PROJECT NAME	NOAA FILE NUMBER
Cache County	02-1126
Santa Barbara and Southern San Luis Obispo Counties	02-1127
Western Uintas.	02-1128

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

Karen King, Manager
Weather Modification Activities
Reporting Program

Printed on Recycled Paper

North American Weather Consultants, Inc.

Air Quality, Applied Meteorology, Meteorological Research, Weather Modification

9678 South 700 East. Suite 101
Sandy, Utah 84070
Telephone 801-984-6600
Facsimile 801-984-0185
E-Mail nawc@xmission.com

November 21, 2001

Karen King
NOAA/Office of Oceanic and Atmospheric Research
Routing Code R/WA
1315 East-West Highway, Room 11216
Silver Spring, MD 20910

Dear Ms. King:

Initial reports for three cloud seeding programs slated to be operated this winter season are enclosed as follows:

1. Cache County, Utah 02-1126
2. Western Uintas, Utah 02-1127
3. Santa Barbara and Southern San Luis Obispo Counties, California 02-1128

If you have any questions please call me at 801-984-6600.

Sincerely,

Don A. Griffith
President

enclosures