

03-1206

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 U.S. DEPARTMENT OF COMMERCE (4-81) NAT'L OCEANIC AND ATMOSPHERIC ADM. INITIAL REPORT ON WEATHER MODIFICATION ACTIVITIES (P.L. 205, 92 ND . CONGRESS)
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1. PROJECT OR ACTIVITY DESIGNATION, IF ANY Alta/Snowbird	2. DATES OF PROJECT
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3. PURPOSE OF PROJECT OR ACTIVITY Increase snowpack for ski areas	a. DATE FIRST ACTUAL WEATHER MODIFICATION ACTIVITY IS TO BE UNDERTAKEN 10/15/2003 b. EXPECTED TERMINATION DATE OF WEATHER MODIFICATION ACTIVITIES 12/24/2003
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4. (a) SPONSOR	4. (b) OPERATOR
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NAME Onno Wieringa	NAME Don Griffith
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AFFILIATION Alta Ski Lifts Co.	PHONE NUMBER (801) 359-1078	AFFILIATION North American Weather Consultants	PHONE NUMBER (801) 942-9005
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STREET ADDRESS P.O. Box 8007	STREET ADDRESS 8160 South Highland Dr., Suite A-2
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CITY Alta	STATE UT	ZIP CODE 84092	CITY Sandy	STATE UT	ZIP CODE 84093
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5. TARGET AND CONTROL AREAS (See Instructions)

TARGET AREA		CONTROL AREA	
LOCATION	SIZE OF AREA	LOCATION	SIZE OF AREA
Alta and Snowbird ski resorts	10 SQ.MI	N/A	N/A SQ.MI.

6. DESCRIPTION OF WEATHER MODIFICATION APPARATUS, MODIFICATION AGENTS AND THEIR DISPERSAL RATES, THE TECHNIQUES EMPLOYED, ETC. (See Instructions)

Three ground-based silver iodide generators will be used. Each generator emits 8 grams per hour of silver iodide. Operational decisions will be made from NAWC offices in Sandy, Utah.

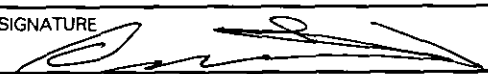
7. LOG BOOKS: Enter name, affiliation, address, and telephone number of responsible individual from whom log books or other records may be obtained.

NAME Don Griffith AFFILIATION North American Weather Consultants STREET ADDRESS 8160 South Highland Dr., Suite A-2 CITY Sandy	STATE UT	ZIP CODE 84093	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.
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8. SAFETY AND ENVIRONMENT

<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	Has an Environmental Impact Statement, Federal or State been filed? If yes, please furnish a copy as applicable.
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> 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.
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> 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 Don Griffith	CERTIFICATION: I certify that the above statements are true, complete and correct to the best of my knowledge and belief.		
AFFILIATION North American Weather Consultants	SIGNATURE 		
STREET ADDRESS 8160 South Highland Dr., Suite A-2	OFFICIAL TITLE President		
CITY Sandy	STATE UT	ZIP CODE 84093	DATE 09/25/2003
		PHONE NUMBER (801) 942-9005	

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

03-1206

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 10/15/2003

TO 12/24/2003

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 PRECIPITA- TION	ALLEVIATE		OTHER	AIRBORNE	GROUND	SILVER IODIDE	CARBON DIOXIDE	UREA	SODIUM CHLORIDE	OTHER
			HAIL	FOG								
JANUARY												
FEBRUARY												
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER	1	1					17	207				
NOVEMBER	11	11					172	2,061				
DECEMBER	4	4					118	1,410				
TOTAL	16	16	0	0	0	0	307	3,678	0	0	0	0
TOTALS FOR FINAL REPORT	16	16	0	0	0	0	307	3,678	0	0	0	0

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

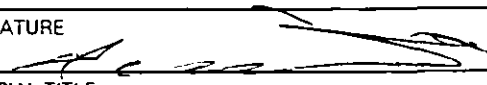
CERTIFICATION: I certify that all statements in this report on this weather modification project are complete and correct to the best of my knowledge and are made in good faith.

NAME OF REPORTING PERSON

Don Griffith

AFFILIATION North American Weather Consultants

SIGNATURE



STREET ADDRESS 8160 South Highland Dr., Suite A-2

OFFICIAL TITLE

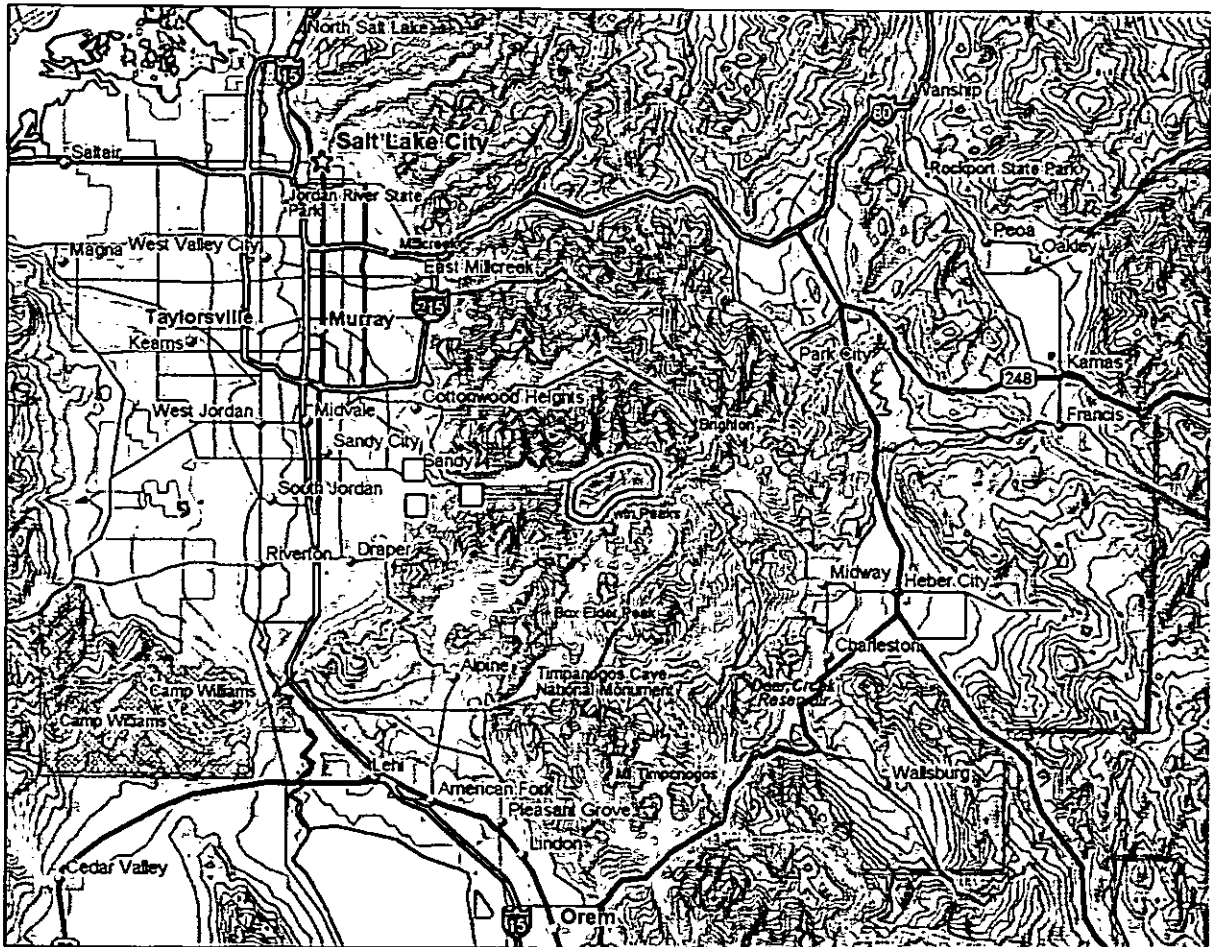
President

CITY Sandy

STATE UT

ZIP CODE 84093

DATE 01/07/2004



© 2011 DeLorme, Topo 7.500 2.0
Scale 1:100,000. Elevation 2-4 Feet. WGS84 Map Projection. UTM Magnetic Declination 12.0°E

Alta and Snowbird target area (black outline) and generator sites (yellow squares)



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Silver Spring, MD 20910
OFFICE OF OCEANIC AND ATMOSPHERIC RESEARCH

November 17, 2003

Mr. Don A. Griffith
North American Weather Consultants, Inc.
8160 South Highland Drive, Suite A-2
Sandy, Utah 84093

Dear Mr. Griffith:

Thank you for your Initial Reports on weather modification activities. The projects were assigned the following NOAA file numbers:

<u>PROJECT NAME:</u>	<u>NOAA FILE NUMBER:</u>
1). Alta/Snowbird, Utah	03-1206
2). Central and Southern Utah	03-1207
3). Boise River, Idaho	03-1208
4). Gunnison County, Colorado	03-1209
5). Santa Barbara, California	03-1210

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

Sincerely,

Ms. Karen King, Manager
Weather Modification Activities
Reporting Program