


05-1260

Complete in accordance with instructions on reverse and forward copy:				Form Approved: OMB No. 0648-0025 Expires 10/31/2001			
TO: National Oceanic and Atmospheric Administration Office of Oceanic and Atmospheric Research 1315 East-West Highway SSMC-3 Room 11554 Silver Spring, MD 20910				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)			
1. PROJECT OR ACTIVITY DESIGNATION, IF ANY Alta/Snowbird				2. DATES OF PROJECT			
3. PURPOSE OF PROJECT OR ACTIVITY Increase snowpack for ski areas				a. DATE FIRST ACTUAL WEATHER MODIFICATION ACTIVITY IS TO BE UNDERTAKEN		10/15/2004	
				b. EXPECTED TERMINATION DATE OF WEATHER MODIFICATION ACTIVITIES		12/24/2004	
4. (a) SPONSOR				4. (b) OPERATOR			
NAME Onno Wieringa				NAME Don Griffith			
AFFILIATION Alta Ski Lifts Co.		PHONE NUMBER (801) 359-1078		AFFILIATION North American Weather Consultants		PHONE NUMBER (801) 942-9005	
STREET ADDRESS P.O. Box 8007				STREET ADDRESS 8160 South Highland Dr. Ste A-2			
CITY Alta		STATE UT	ZIP CODE 84092	CITY Sandy		STATE UT	ZIP CODE 84093
5. TARGET AND CONTROL AREAS (See Instructions)							
TARGET AREA				CONTROL AREA			
LOCATION Alta and Snowbird ski resorts		SIZE OF AREA 10 SQ.MI		LOCATION N/A		SIZE OF AREA N/A SQ.MI.	
6. DESCRIPTION OF WEATHER MODIFICATION APPARATUS, MODIFICATION AGENTS AND THEIR DISPERSAL RATES, THE TECHNIQUES EMPLOYED, ETC. (See Instructions)							
Four ground-based silver iodide generators will be used. Each generator emits 12 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				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.			
AFFILIATION North American Weather Consultants		PHONE NUMBER (801) 942-9005					
STREET ADDRESS 8160 South Highland Dr. Ste. A-2							
CITY Sandy		STATE UT	ZIP CODE 84093				
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., Ste. A-2				OFFICIAL TITLE President			
CITY Sandy		STATE UT	ZIP CODE 84093	DATE 10/13/2004		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

05-1260 Alta/Snowbird

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 10/15/2004 TO 12/24/2004

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	6	6					193	2,316					
NOVEMBER	5	5					98	1,176					
DECEMBER	4	4					67	804					
TOTAL	15	15	0	0	0	0	358	4,296	0	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 8160 South Highland Dr., Suite A-2

OFFICIAL TITLE

President

CITY Sandy

STATE UT

ZIP CODE 84093

DATE 01/05/2005



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

October 20, 2004

Don A. Griffith
President
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 for the 2004-2005 winter season. The projects were assigned the following NOAA File Numbers:

<u>Project Name:</u>	<u>NOAA File Number:</u>
Alta/Snowbird	05-1260
Central and Southern Utah	05-1261
Boise River, Idaho	05-1262

As a reminder, please submit a Final Report within 45 days after the project has terminated. This is mandated under Public Law 92-205.

Sincerely,

Ms. Karen King, Manager
Weather Modification Activities
Reporting Program



**North American
Weather Consultants, Inc.**

8160 South Highland Drive, Suite A-2
Sandy, Utah 84093
Telephone 801-942-9005
Facsimile 801-942-9007
E-Mail nawc@nawcinc.com

Air Quality, Applied Meteorology, Meteorological Research, Weather Modification

October 13, 2004

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:

Enclosed are initial cloud seeding reports for the 2004-2005 winter season, as listed below:

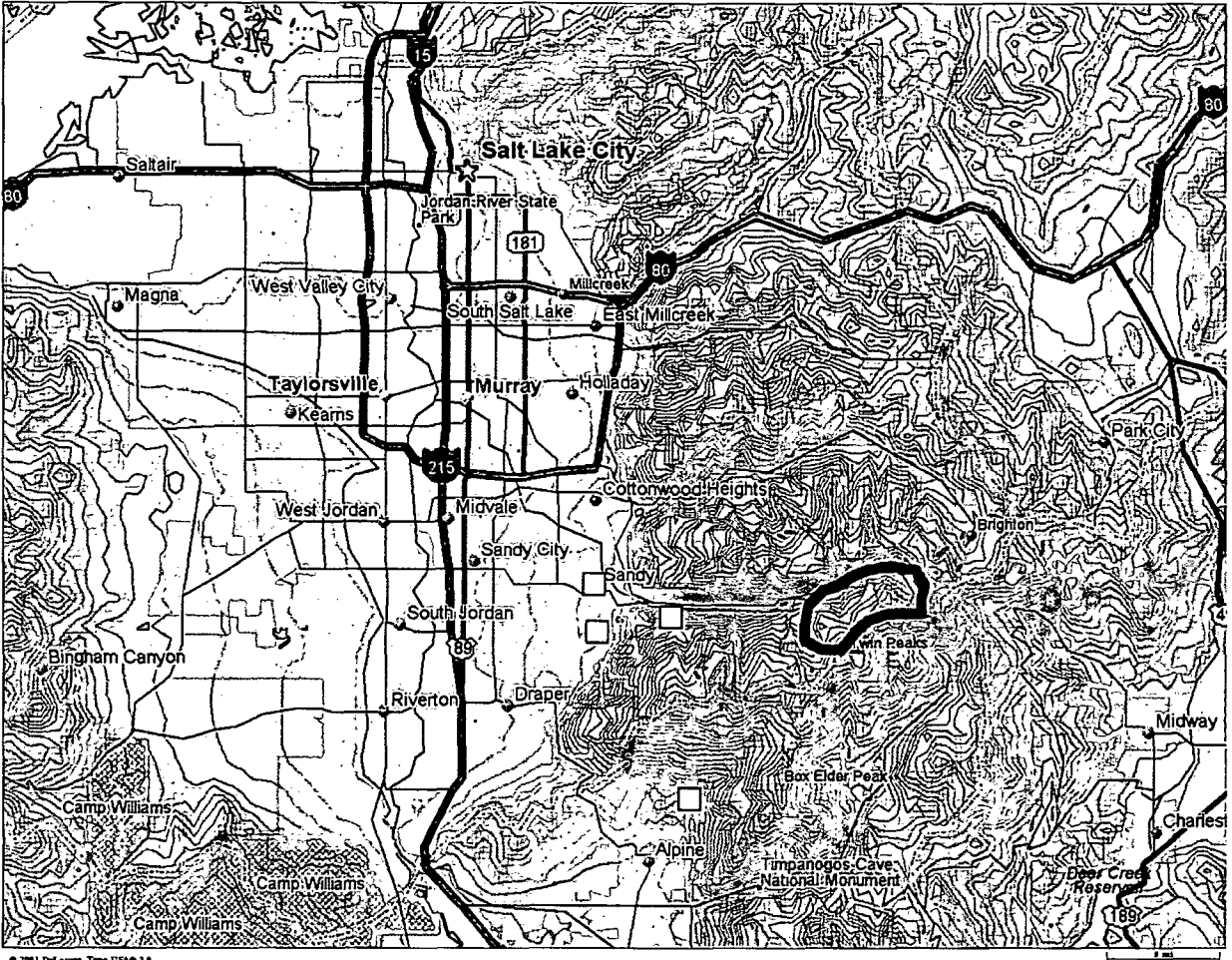
Alta/Snowbird, Utah - 05-1260
Central and Southern Utah - 05-1261
Boise River, Idaho 05-1262

If you have any questions, please call me at 801-942-9005.

Sincerely,



Don A. Griffith
President



© 2001 DeLorme Topo USA® 2.0
 Scale: 1:225,000 Series Level: 8-7 Datum: WGS84 Map Projection: UTM Magnetic Declination: 13.3°E

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