


11-1533 ✓

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 11216 Silver Spring, MD 20910				Form Approved: OMB No. 0648-0025 Expires 12/31/2007			
1. PROJECT OR ACTIVITY DESIGNATION, IF ANY Alta and Snowbird, Utah				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		10/15/2011	
				b. EXPECTED TERMINATION DATE OF WEATHER MODIFICATION ACTIVITIES		12/24/2011	
4. (a) SPONSOR				4. (b) OPERATOR			
NAME Onno Wieringa		PHONE NUMBER (801) 359-1078		NAME Mark Solak		PHONE NUMBER (801) 942-9005	
AFFILIATION Alta Ski Lifts Company		STREET ADDRESS PO Box 8007		AFFILIATION North American Weather Consultants		STREET ADDRESS 8180 South Highland Drive, Suite B-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 NA		SIZE OF AREA NA 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 for this program. 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 Mark Solak			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 8180 South Highland Drive, Suite B-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 Mark Solak			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 8180 South Highland Drive, Suite B-2			OFFICIAL TITLE Vice President				
CITY Sandy	STATE UT	ZIP CODE 84093	DATE 10/05/2011	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

11-1533 Alta/Snowbird, Utah

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 11216
Silver Spring, MD 20910

REPORTING PERIOD

FROM 10/15/2011 TO 12/24/2011

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	7	7					127	1,016					
DECEMBER	1	1					20	160					
TOTAL	8	8	0	0	0	0	147	1,176	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

Mark Solak

AFFILIATION North American Weather Consultants

SIGNATURE 

STREET ADDRESS 8180 South Highland Drive, Suite B-2

OFFICIAL TITLE
Vice President

CITY Sandy

STATE UT
ZIP CODE 84093

DATE 01/05/2012

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
11-1533 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 11216
Silver Spring, MD 20910

REPORTING PERIOD
FROM 10/15/2011 TO 12/24/2011

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	7	7					127	1,016					
DECEMBER	1	1					20	160					
TOTAL	8	8	0	0	0	0	147	1,176	0	0	0	0	0
TOTALS FOR FINAL REPORT	8	8	0	0	0	0	147	1,176	0	0	0	0	0

DATE ON WHICH FINAL WEATHER MODIFICATION ACTIVITY OCCURRED (For Final Report only.) 12/21/2011

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 8180 South Highland Drive, Suite B-2

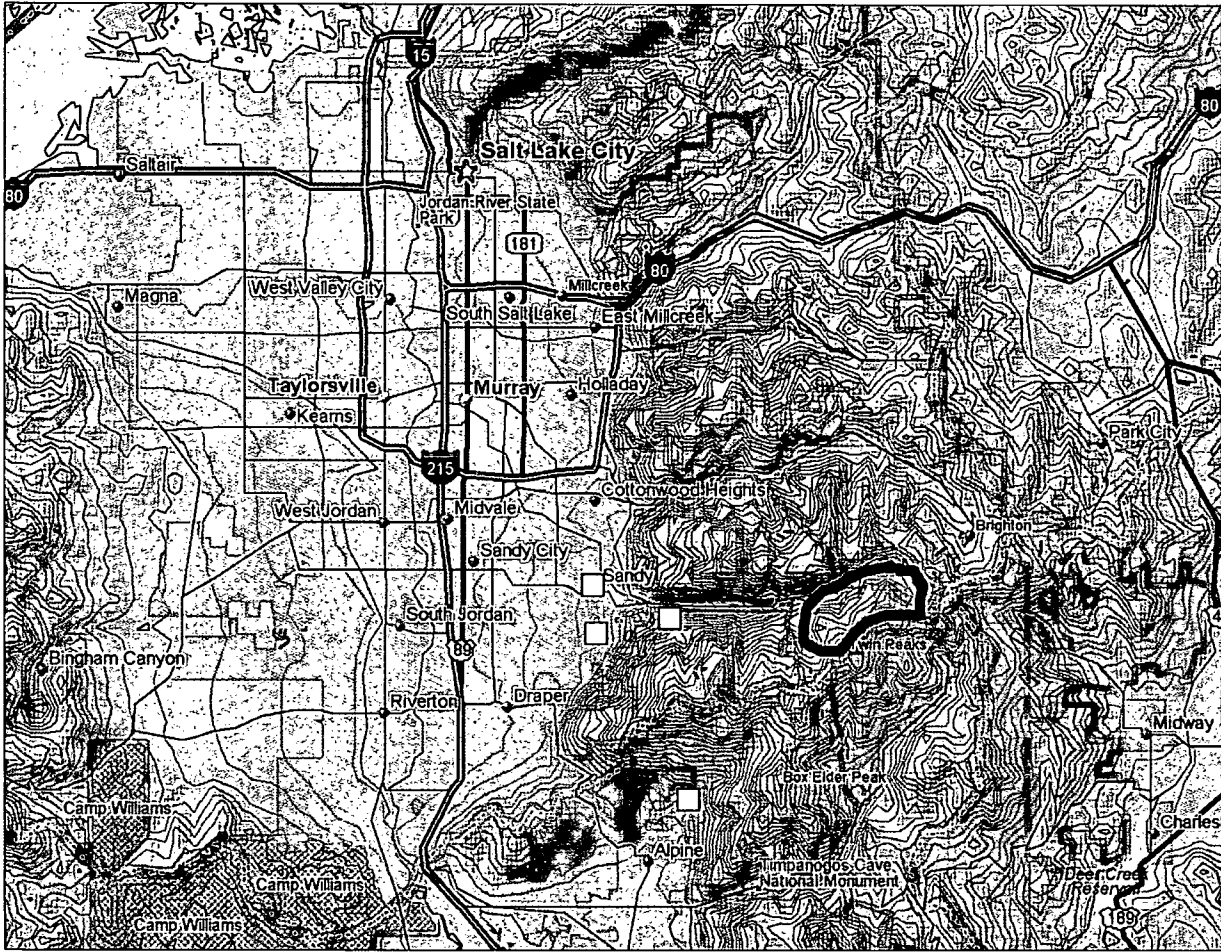
OFFICIAL TITLE
President

CITY Sandy

STATE UT

ZIP CODE 84093

DATE 04/23/2012



© 2001 DeLorme, Type USNG 2.0
Scale: 1 : 227,000 Zoom Level: 6.7 Datum: WGS84 Map Projection: UTM Magnitude: Distortion: 0.0%

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

October 12, 2011

Mr. Mark Solak
North American Weather Consultants, Inc.
8180 South Highland Drive, Suite B-2
Sandy, Utah 84093

Dear Mr. Solak:

Thank you for your Initial Reports for the North American Weather Consultants. The projects were assigned the following NOAA File Numbers:

<u>Project Name:</u>	<u>NOAA File Number:</u>
Southern/Central UT	11-1531
High Uintas	11-1532
Alta/Snowbird	11-1533
Northern Utah	11-1534

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,

Karen Williams, Manager
Weather Modification Activities
Reporting Program

P.S. Enclosed are the newly revised forms to be used for all future activities. Please discard the old ones. Thank you.



Printed on Recycled Paper

