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APPENDIX A.  
Committee Membership and Charter

***National Air Tanker Study  
Committee Membership  
January 17, 1995***

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***National Air Tanker Study  
Committee Membership  
January 17, 1995***

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DG:None  
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## CHARTER FOR NATIONAL AIRTANKER STUDY

The National Airtanker Study (NATS) is chartered by the Steering Committee for the USDA-Forest Service National Shared Forces Task Force Report.

### VISION

The National Airtanker Study shall provide to managers information, guidance and support for National and Regional decisions affecting the National large airtanker program and their support components for the next 10-20 years.

### MISSION

The National Airtanker Study shall provide analytical support and model development allowing for display of interrelationships and tradeoffs of different airtanker capability and location in support of wildfire initial attack and extended attack. In addition, support and interrelationships to large fire suppression will be obtained. Analytical support and model development shall result in the identification of the most effective and efficient utilization of airtankers. The study will be conducted in two phases.

The goal for Phase 1 is optimize the currently available airtanker fleet and find the best base locations. Realistic opportunities for change and interagency coordination will be considered. A recommendation will be made on the number and size of airtankers by location. A recommendation will be made if cruise speed should be part of contract specification. A recommendation will be made on the indication of need for airtankers with capacity of between 1000 and 2000 gallons. A recommendation will be made on an indication of need to develop night time capability. The outcome of Phase 1 will provide the basis for the 1996-1998 contract. Phase 1 shall be completed by March 1, 1995.

The goal of Phase 2 is to optimize all reasonable airtanker base and airtanker fleet possibilities and is not constrained by the current fleet. The outcomes of Phase 2 will provide information to guide modernization of the airtanker program and will allow for stabilization of the airtanker supply and agency demand situation. The study will reflect move-up conductivity of the system, optimize dispatch philosophy and the role of the total initial attack organization. The study will clarify the roles of initial attack and large fire support. Specifically, examine airtanker performance, airtanker capability in the 1000 and 2000 gallon size class, night use, the role of MAFFS and the role of Type I and II helicopters in the applying of retardant. A recommendation will be made defining the optimum airtanker numbers, size, and performance criteria by location. The outcome of Phase 2 will provide the basis for the 1999+ contract. Phase 2 will be completed by March 1, 1996.

CHARTER FOR NATIONAL AIRTANKER STUDY

GUIDING PRINCIPLES and ASSUMPTIONS

Though NATS is a USDA-Forest Service effort, it shall be conducted interagency in scope with committee representation from the USDI-Bureau of Land Management and State wildfire suppression agencies through federal geographic area representatives. Coordination with the USDI-National Park Service, Bureau of Indian Affairs, Fish and Wildlife Service and Office of Aircraft Services shall be through the BLM agency representatives.

In Phase 1, use of the IAA and existing local NFMAS analysis will be assumed. Use past history of demand and assume current dispatch philosophy in initial attack analysis (NFMAS). Assume historic unavailability. Conduct without considering National flow model to reflect move-up. Use past history of demand and current dispatch philosophy in initial attack analysis (NFMAS).

Phase 2 will utilize the best available technology.

Traditional methods of operation shall be examined and challenged where appropriate.

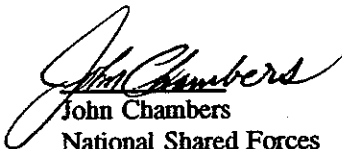
A structured critical path for the study shall define benchmarks and timeframes.

A study communications plan shall define actions to convey study progress, status and recommendations to effected groups.

The study will examine the cost of institutional barriers to total availability, mobility, flexibility and most cost effective delivery and application of retardant.

The study shall include alternatives for maximizing the cost effectiveness of airtankers.

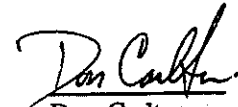
Airtankers including all helicopter types and multi-engine fixed wing platforms will be analyzed in Phase 2.

  
John Chambers  
National Shared Forces  
Task Force Report  
Liaison

Date: 10/19/94

  
Al Dunton  
Chief, Division of Fire  
Aviation Policy Management

Date: 9/23/94

  
Don Carlton  
Chair, Airtanker  
Study Committee

Date: 9/24/94

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WASHINGTON, D.C. 20240

November 4, 1994

In Reply Refer To:  
9400 (RP-122)

EMS TRANSMISSION 11/7/94  
Information Bulletin No. 95-2003

To: State Directors, D-NIFC  
From: Director  
Subject: National Airtanker Study

The Bureau of Land Management (BLM) is participating in an interagency airtanker study. A recent audit by the Office of Inspector General (OIG) of the USDA Forest Service (FS) identified a need for updating our data to more fully support and define our contract requirements. In order to avoid duplication of efforts and to assure interagency coordination in this area, we will join with the FS in this analysis and study. The other Bureaus in the Department of the Interior (DOI) will also be looking at their future needs for heavy airtankers. A survey of current airtanker base locations, conditions and possible recommendations for adjustments will be included in this study.

The study will be completed in two phases. Phase 1 will define the FS and DOI's (BLM, BIA, FWS, and NPS) needs for large airtankers for the 1996-1998 fire seasons. Phase 2 will support the needs of both agencies for the period starting in 1999. Phase 1 will be completed by March 1, 1995 and Phase 2 has a completion target of March 1, 1999 for a final report.

The goals of Phase 1 and 2 are as follows:

Phase 1 - Optimize the currently available airtanker fleet and determine the best airtanker base locations. Realistic opportunities for change and interagency coordination will be considered. A recommendation will be made on the number and size of airtankers by location.

Phase 2 - Optimize all reasonable airtanker base and airtanker fleet possibilities; not constrained by the current fleet. The outcome of Phase 2 will provide information to guide modernization of the airtanker program and will allow for stabilization of the airtanker supply and agency demand situation.



The committee's charter and membership list are attached. Agency contacts are identified on the membership list. The committee has developed a communication plan to direct contact efforts with all interested groups and individuals including industry. Communication to the study committee can be accomplished through committee representatives. These representatives will also be responsible for coordinating information gathering and information flow back to Geographic Areas. The committee will be coordinating all information and data requests to insure minimum impact to the field.

Coordination with the states will be through Geographic Area representatives. These representatives are as follows:

<u>Committee Members</u>	<u>Geographic Area</u>
Ginger Brudevold	Southern and Eastern
Don Carlton, Ward Monroe	Pacific Northwest
Terry Cullin	Great Basin
Hank Dominguez	Rocky Mountain
Gary Johnson	Alaska
Bernie Lionberger	Northern Rockies
Scott Vail	California
Dan Winner	Southwest

To complete Phase 1, there will be a need to analyze several airtanker options on a national basis. Geographic Areas will be encouraged to use this forum to explore identified interagency issues in your areas. This analysis will be transmitted to you early in November with a completion date of January 1, 1995. The analysis process will use established Fire Management Activity Plan (FMAP) models and processes. It is estimated this work will require about two weeks to complete. Not every state has established airtanker programs so some states will not need to supply data. The states that have programs (including primary and reload airtanker bases) will be contacted by their Geographic Area representative for information on flight time, gallons dropped, etc. Technical questions relating to the FMAP process should be directed to Bill Mitchell at the National Interagency Fire Center (208-387-5420). All coordination, questions and information exchange should be through your Geographic Area representative.

Your support for this study is critical. If you have further questions, please contact Gary Johnson (907-356-5523).

Signed Gardner W. Ferry  
Assistant Director,  
Fire and Law Enforcement  
Acting

Authenticated Marj Wenman  
Records Manager

2 - Attachments

1 - Charter (2 pp.)

2 - National Airtanker Study Committee Membership (2 pp.)

United States  
Department of  
Agriculture

Forest  
Service

Washington  
Office

14th & Independence SW  
P.O. Box 96090  
Washington, DC 20090-6090

Reply to: 5700

Date: October 17, 1994

Subject: National Airtanker Study

To: Regional Foresters and Area Director

The last National Airtanker Study was completed in 1984. Regional periodic updates have been made to determine contract needs. Recent Office of Inspector General (OIG) audits suggest the need for a current national study to support future contracting actions. Further, a survey of the current airtanker base locations and conditions indicates a need for review.

I have asked the PNW Region to coordinate the completion of an interagency study of our National Airtanker Program to support future contract actions and airtanker base improvements. The study will be completed in two phases. Phase 1 will define both Forest Service and BLM needs for large airtankers for the 1996-1998 fire seasons. Phase 2 will support both agency needs for the period starting in 1999. Phase 1 will be completed by March 1, 1995, and available for distribution at that time. A target completion for a final report of Phase 2 is March 1, 1996.

The goals for phase 1 and 2 of this study are as follows:

The goal for Phase 1 is optimize the currently available airtanker fleet and determine the best base locations. Realistic opportunities for change and interagency coordination will be considered. A recommendation will be made on the number and size of airtankers by location.

The goal of Phase 2 is to optimize all reasonable airtanker base and airtanker fleet possibilities and is not constrained by the current fleet. The outcomes of Phase 2 will provide information to guide modernization of the airtanker program and will allow for stabilization of the airtanker supply and agency demand situation.

John Chambers, Assistant Director - Aviation, FS Fire and Aviation Management; Al Dunton, BLM Chief, Fire and Aviation Management; and Don Carlton (Committee Chair) have led the development of the Charter for the Study. Don Carlton, Fire Planning Specialist, PNW Region, has agreed to serve as Team Leader for the Study. Frequent management oversight will be provided by the National Shared Forces Task Force Report Steering Committee with John Chambers acting as the Steering Committee Liaison (202/205-1505).

With this letter, I wish to transmit the Committee's Charter and membership list to you. Regional and BLM contacts are identified on the membership list. The Committee has developed a Communications Plan to direct contact efforts with all interested groups and individuals including industry. Communication to the study committee can be accomplished through committee representatives.

Regional Foresters and Area Director

2

These representatives will also be responsible for coordinating information gathering and information flow-back to geographic areas. The committee will be coordinating all information and data requests to insure as minimal an impact as possible to the field. Coordination with States will be through geographic area representatives. Geographic area representatives are as follows.

<u>Committee Member</u>	<u>Geographic Area</u>
Ginger Brudevold	Northeast and Southern Region
Don Carlton, Ward Monroe	Northwest Region
Terry Cullen	Intermountain Region
Hank Dominguez	Rocky Mountain Region
Gary Johnson	Alaska
Bernie Lionberger	Northern Region
Scott Vail	Pacific Southwest Region
Dan Winner	Southwest Region

To complete Phase 1, there will be a need to analyze several airtanker options on a National basis. Regions will be encouraged to use this forum to explore identified Regional issues. This analysis will be transmitted to you about November 1 with a completion date of January 1, 1995. The analysis process will use established National Fire Management Analysis System (NFMAS) models and processes. It is estimated this work will require about 1-2 weeks to complete. A committee member with NFMAS expertise has been assigned, as follows, to provide coordination between the Regions and the study committee.

<u>Committee Member</u>	<u>Geographic Area</u>
Ginger Brudevold	Intermountain, Eastern, and Southern Regions
Don Carlton, Ward Monroe	Alaska, Northwest, Northern and Pacific SW Regions
Dan Winner	Rocky Mountain and Southwest Regions

Full support of this Study is critical; therefore, I ask that you provide support as requested by the Study Team and this office. The timelines are short and the consequences of missing any study due date are significant.

/s/ Joan M. Comanor

JOAN M. COMANOR  
Deputy Chief for  
State and Private Forestry

Enclosures (2)

cc: Director, Engineering, WO

Committee Membership, Charter and Letters - Appendix A

United States  
Department of  
Agriculture

Forest  
Service

Pacific  
Northwest  
Region

P.O. Box 3623  
Portland, OR 97208-3623  
333 S.W. First Avenue  
Portland, OR 97204

---

Reply To: 5100

Date: December 22, 1994

Company Name

Dear Company,

The last National Airtanker Study was completed in 1984. Regional periodic updates have been made to determine contract needs. Recent Office of Inspector General (OIG) audits suggest the need for a current National study to support future contracting actions. Further, a survey of the current airtanker base locations and conditions indicates a need for review.

The Pacific Northwest Region, USDA Forest Service, has been asked to coordinate the completion of an interagency study of our National Airtanker Program to support future multi-engine airtanker staffing and contract soliciations and airtanker base improvements. The study will be completed in two phases. Phase 1 will define both Forest Service and Department of Interior needs for large airtankers for the 1996-1998 fire seasons. Phase 2 will support both agency needs for the period starting in 1999. Phase 1 will be completed by March 1, 1995, and available for distribution at that time. A target completion for a final report of Phase 2 is March 1, 1996.

The goals for Phase 1 and 2 of this study are as follows:

The goal for Phase 1 is optimize the currently available airtanker fleet and determine the best base locations. Realistic opportunities for change and interagency coordination will be considered. A recommendation will be made on the number and size of airtankers by location.

The goal of Phase 2 is to optimize all reasonable airtanker base and airtanker fleet possibilities and is not constrained by the current fleet. The outcome of Phase 2 will provide information to guide modernization of the airtanker program and will allow for stabilization of the airtanker supply and agency demand situation.

John Chambers, Assistant Director, Aviation, Forest Service Fire and Aviation Management; Al Dunton, Bureau of Land Management Chief, Fire and Aviation Management; and Don Carlton (Committee Chair) have led the development of the Charter for the Study. Don has agreed to serve as Team Leader for the study. Frequent management oversight will be provided by the National Shared Forces Task Force Report Steering Committee with John Chambers acting as the Steering Committee Liaison (202) 205-1505.

On Behalf of the Forest Service Washington Office and as study committee chair, I wish to transmit the Committee's Charter to you and inform you of the study process. At your discretion, I would like to ask you to provide us with information to aid the study efforts. Information your company provides will be held confidential and used by only those individuals who have a need to know to support the study process.

1. What is your inventory of aircraft that might reasonably be able to be tanked and used as medium or heavy airtankers? If possible, please be specific as to aircraft model, engine configuration, and retardant tank size.

2. What is your capability to tank, based on Interagency Airtanker Board standards, additional airtankers for the contract period 1996-1998? If possible, please be specific as to aircraft model, engine configuration, and retardant tank size.

3. What are your concerns about the airtanker program, particularly the airtanker fleet and primary base locations, that you might wish to share with the study committee? Your ideas for improvement are very important to us and the future of the airtanker program. Be as specific or as general as you wish.

4. Phase 2 of the study provides an opportunity to define the vision for the airtanker program beyond the 1996-1998 contract period. This includes both multi-engine and rotor wing, as well as initial attack and large fire support needs. What would be your vision and what capability enhancements would you support the committee exploring?

5. If you have any additional information that you wish to share with the study committee, please do so.

I would like to thank you in advance for your cooperation and assistance. Please send your reply by January 28, 1995, to Don Carlton, USDA Forest Service, Pacific Northwest Region Region, Fire and Aviation Management, P.O. Box 3623, Portland, Oregon 97208. Address questions to Don Carlton (503) 326-4931 or John Chambers (202) 205-1505.

Sincerely,

DONALD W. CARLTON  
Fire Protection  
Planning Specialist

Enclosures

Committee Membership, Charter and Letters - Appendix A

Companies Mailing Sent To for Information on National Airtanker Study

Aero Flite, Inc.  
Attn: Mathew Ziomek  
4700 Flightline Drive  
Kingman, AZ 86401

Aero Union Corporation  
Attn: Charles Isele  
100 Lockheed Avenue  
Chico, CA 95926

Ardco, Incorporated  
Attn: Roger L. Iverson  
9400 West Ajo Way  
P.O. Box 23450  
Tucson, AZ 85734

Carson Services, Incorporated  
Attn: Scott Spittler  
32-H Blooming Glen Road  
Perkasie, PA 18944

Central Air Service, Incorporated  
Attn: Bill Dempsey  
850 East Susanna  
Tucson, AZ 85706

Columbia Helicopters, Incorporated  
Attn: Tod Peterson  
P.O. Box 3500  
Portland, OR 97208

Erickson Aircrane Company  
Attn: Jack Erickson  
3100 Willow Spring Road  
P.O. Box 3247  
Central Point, OR 97502

Evergreen Helicopters  
3850 Three Mile Lane  
McMinnville, OR 97128

Hawkins and Powers Aviation, Inc.  
Attn: Gene Powers  
P.O. Box 391  
Greybull, WY 82426

Hemet Valley Flying Service  
Attn: James Venable  
P.O. Box 3780  
Hemet, CA 92546

Hirth Airtankers  
160 Airport Road  
Buffalo, WY 82834  
Kroman Corporation  
Attn: Dan Leach  
801 Avenue C  
White City, OR 97503

Dave Kelly  
Butler Aircraft Co.  
P.O. Box 338  
Redmond, Oregon 97756

Minden Air Corporation  
Attn: Janet Shepardson  
4807 South Windrose Drive  
Tucson, AZ 85730

Neptune, Incorporated  
Attn: Mark Timmons  
5225 Highway 10 West, Box 17  
Missoula, MT 59802

Robin Rogers  
Rogers Heavy Lift Helicopters  
P.O. Box 4  
Clovis, California 93613

Bob Schlaefli  
SLAFCO, Inc.  
4101 Peninsula Drive  
Moses Lake, Washington 98837

Siller Brothers, Incorporated  
Attn: Neal Siller  
P.O. Box 1585  
Yuba City, CA 95992

T&G Aviation, Incorporated  
Attn: Woody Grantham  
Memorial Field  
22000 South Price Road  
Chandler, AZ 85248

T.B.M., Incorporated  
Attn: Hank Moore  
Mefford Field  
P.O. Box 868  
Tulare, CA 93275

**APPENDIX B.**  
**Initial Attack Analysis Assumptions and Rules**





Initial Analysis Assumptions and Rules

1. Forest Service units will use MNIAAPC Version 4.85 as the Initial Attack model. A copy of this version will be distributed for this study . Use of DARTS software to run MNIAAPC is supported.
2. Geographic areas will work with cooperators and adjacent geographic areas within their geographic areas to develop and analyze alternative airtanker configurations within each scenario.

If a cooperator receives heavy airtanker support exclusively from the agency and if the cooperator does not have the capability to do initial attack analysis on cooperator lands, then the effects of alternatives should be estimated using the effects on agency lands applied appropriately and proportionately to the cooperator lands. Document well the assumptions and display effects on cooperator lands on separate worksheets (see Appendix A).

3. Use MEL budget level from the Forest preferred NFMAS alternative currently approved by the Region. In the OST, label this budget level MEL. Alternative Cost for this study will not include the presuppression cost to staff the MEL organization as this is constant.
4. All representative fire locations will have a legal description (lat/long or T/R/S). If this has not been done yet, use the airtanker attack times in the MRT to determine an appropriate legal description. This is needed to allow for calculation of attack times from alternative airtanker bases locations serving a representative fire.

All airtanker attack times and UMC costs will be calculated using the ATATTACK spreadsheet or equivalent process. Units are encouraged to use the spreadsheet. If an equivalent process is used, it must utilize the same assumptions as the spreadsheet. The spreadsheet assumes the following information. These are 1995 dollars.

Aircraft Type	Base Flight Rate	(Knots) Speed	Number of Minutes To Climb				
			<-----To Given Altitude (Ft. AGL)----->				
			1000	2000	3000	4000	5000
T1500	\$1,740	250	0.70	1.30	2.00	2.70	3.30
T3000	\$2,801	238	0.70	1.30	2.00	2.70	3.30
R2200	\$1,467	189	1.05	2.10	3.20	4.30	5.30
R3000	\$2,145	235	1.30	2.60	3.90	5.20	6.50

The ATATTACK spreadsheet provides the time for aircraft to climb to an altitude (AGL). Use of other times must be first agreed to by geographic area NFMAS technical contact.

Allow adequate get-away time, drop setup time, time to do drop, and land/taxi times. Utilize information to compute unit mission cost.

Retardant cost per gallon is assumed to be \$0.758.

5. Use the following naming convention for airtankers in the OST and MRT files where the generic tag format is ATAABBCD. AT will be used to describe the airtanker category as follows: A1 for a T1500, A3 for a T3000, A5 for a R2200, A7 for a R3000 and A9 for cooperator airtankers. AA is the base ID that the AT is being dispatched from, BB is the reload base ID, C is the airtanker number from the initial attack base and D is the load number. Example: A7RDTD12 is the tag for the second load (2) from the first (1) 3000 gallon reciprocating engine airtanker (A7) where the initial load came from Redmond (RM) and reloading is at Troutdale (TD).
6. To assure all reports will be generated correctly using the ATSUM program, the resource A0XXXX00 must be entered in each OST and sent at FIL 1. The resource A0XXXX00 must be entered in the MRT with a gallons of 0, arrival time of 1 minute and a unit mission cost of \$0. The resource A0XXXX00 must also be entered in the ROM with entries of 1 for all alternatives. For a FMAZ with 4 representative fire locations, an example entry in the MRT would be as follows:

A0XXXX00 01,00R01,01,01,01\$0\*

7. Airtanker base identification in NFMAS identification tags will be as defined as follows:

A	A		A	A	
R	B		R	B	
E	B		E	B	
A	R	Base	A	R	Base
--	--	-----	--	--	-----
AK	FW	Fairbanks (Ft. Wainwright)	NR	BL	Billings
AK	FY	Fort Yukon	NR	A1	Coeur d'Alene
AK	GA	Galena	NR	A2	Grangeville
AK	MG	McGrath	NR	HE	Helena
AK	PL	Palmer	NR	A3	Kalispell
AK	TN	Tanacross	NR	LE	Lewistown
CA	BI	Bishop	NR	A4	Missoula
CA	CH	Chester	PNW	DP	Deer Park
CA	C1	Chico	PNW	PA	Everett
CA	CO	Columbia	PNW	KF	Klamath Falls
CA	FR	Fresno	PNW	LG	La Grande
CA	GV	Grass Valley	PNW	LV	Lakeview
CA	HR	Hemit-Ryan	PNW	MF	Medford
CA	HO	Hollister	PNW	OM	Omak
CA	FF	Lancaster	PNW	RD	Redmond

Initial Attack Analysis Assumptions and Rules - Appendix B

A	A			A	A	
R	B			R	B	
E	B			E	B	
A	R	Base		A	R	
-----				-----		
CA	MA	Mather AFB		PNW	TD	Troutdale
CA	MO	Montague		PNW	WE	Wenatchee
CA	NO	Norton AFM		RM	GJ	Grand Junction
CA	PO	Paso Roble		RM	GR	Greybull
CA	PV	Porterville		RM	JC	Jeffco
CA	RM	Ramona		RM	RC	Rapid City
CA	RE	Redding		RM	A5	West Yellowstone
CA	RH	Rohnerville		S	AV	Ashville
CA	SB	Santa Barbara		S	FS	Fort Smith
CA	SR	Santa Rosa		S	GE	Georgetown
CA	SK	Stockton		S	KI	Kinston
CA	UK	Ukiah		S	KX	Knoxville
EA	BE	Bemidji		S	LC	Lake City
EA	BR	Brainard		S	LO	London
EA	1A	Ely		S	ST	Staunton
EA	3A	Hibbing		S	TA	Tallahassee
EA	2A	Traverse		SW	AL	Alamogordo
GB	BM	Battle Mountain		SW	AB	Albuquerque
GB	BO	Boise		SW	FH	Fort Huachuca
GB	CC	Cedar City		SW	GC	Grand Canyon
GB	HI	Hill AFB		SW	PH	Phoenix
GB	MC	McCall		SW	PR	Prescott
GB	MI	Minden		SW	RS	Roswell
GB	PT	Pocatello		SW	SC	Silver City
GB	SL	Salt Lake City		SW	TU	Tucson
GB	SD	Stead (Reno)		SW	WR	White River
GB	TF	Twin Falls		SW	WS	Winslow

8. Express all dollars in 1995. Use the following CPI index to move all dollars to 1995. The appropriate factor to use to move dollars to 1995 is listed below.

Year	CPI Index	Factor
1984	224.8	1.4564
1985	233.3	1.4033
1986	240.3	1.3625
1987	247.5	1.3228
1988	257.1	1.2734
1989	266.1	1.2304
1990	276.6	1.1837
1991	282.1	1.1606
1992	295.1	1.1095
1993	304.8	1.0741
1994	314.2	1.0420
1995	327.4	1.0000

9. Use the 1995 Contract Solicitation to determine number of days of availability at each contract base (core base). Use the following availability costs. These are 1995 dollars.

<u>Aircraft Type</u>	<u>Daily Availability</u>
T1500	\$2,381
T3000	\$2,486
R2200	\$1,987
R3000	\$2,420

10. Assume existing dispatch philosophy from preferred IAA alternative in scenarios 1, 3, 4 and 6. Maintain this dispatch philosophy in all scenarios. For example, the dispatch philosophy in the preferred IAA alternative might be:

<u>FIL</u>	<u>FL (ft)</u>	<u># of Fires</u>	<u>Number of Airtanker Loads</u>	
			<u>At MEL</u>	
1	0-2	100.0	0	
2	2-4	10.0	0	
3	4-6	5.0	1	
4	6-8	3.0	3	
5	8-10	1.5	6	
6	10-12+	0.5	9	

The intent of this rule is to assure that the dispatch still includes the same number of dispatches with airtanker staffing at the 1995 levels but that airtankers come from further away or from a closer location. In scenario 7, maintain the number of gallons delivered by FIL as much as possible allowing the IAA to determine if all available dispatches loaded will be used.

11. In alternatives addressing scenario 5, reduce the number of airtanker loads dispatched proportionate with the reduction of Forest Service contract airtankers cut within the Geographic Area. If example, if the number of airtankers staffed was reduced from 8 to 6 or 25%, then the loads sent would be as the following table indicates. If all airtankers at a base are cut in an alternative, still maintain the airtanker base as a reload facility.

<u>FIL</u>	<u>FL (ft)</u>	<u># of Fires</u>	<u>Number of Airtanker Loads</u>	
			<u>At MEL</u>	<u>At Reduction</u>
1	0-2	100.0	0	0
2	2-4	10.0	0	0
3	4-6	5.0	1	1
4	6-8	3.0	3	2
5	8-10	1.5	6	4
6	10-12+	0.5	9	7

12. When using airtanker loads from another geographic area in an alternative, assume these loads are available based on the staffing of the 1995 airtanker contract.

13. Some standardization will be valuable in the definition of alternatives. Name the current program in scenario 1 alternative 01 and the no airtanker alternative in scenario 2 alternative 02. Be sure to complete the worksheet documenting the theme behind each alternative.
14. If a ROM file is NOT used, then utilize the second entry on line 7 of the JCL to identify the alternative number being run. Do this by entering a RXX where the XX represents the alternative number. As an example, to run alternative 21, line 7 will have MEL,R21 entered. This is critical as the electronic output file generated when DATA-IAA is entered in line 2 of the JCL has a specific naming convention. The file naming structure is UUFFSRXX.MEL where UU is the 2 digit unit (Forest) identification from line 3 of the JCL, FF is the 2 digit FMAZ identification from line 4 of the JCL, and XX is the shared resource alternative number being analyzed. The entry RXX in the file name comes from line 7 of the JCL. The resultant electronic IAA output file name might look like 06EASR21.MEL.
15. To allow for tracking of JCL's when a ROM file is not used, name JCL's with a format of UUFFSRXX.JCL where UU is the 2 digit unit (Forest) identification from line 3 of the JCL, FF is the 2 digit FMAZ identification from line 4 of the JCL, SR is constant and inserted automatically by MNIAA485, and XX is the shared resource alternative number being analyzed. Example: 06EASR21.JCL for the JCL to run alternative 21.
16. If a ROM file is used, the file naming convention will apply automatically with the first column in the ROM file being alternative 1, column 2 alternative 2, etc.
17. To allow for tracking of JCL's when a ROM file is used, name JCL's with a format of UUFFROMX.JCL where UU is the 2 digit unit (Forest) identification from line 3 of the JCL, FF is the 2 digit FMAZ identification from line 4 of the JCL, and X is a wild card identifier to allow for labeling of several files. Example: 06EAROM1.JCL.
18. Reload at the closest capable airtanker base.
19. Report requested items. Airtanker use of large fires will be addressed Nationally based on expected number of large fires.
20. Complete forms to send results back to the study committee.

Detailed Procedures

- Step 1: Coordinate with cooperators. Assure involvement of cooperator's thoughts, concerns and expectations when developing alternatives within scenarios, particularly when airtankers are being cut, added or moved. Coordinate with cooperators on how they will be involved in the analytical part of the analysis.
- Step 2: Determine the process the Geographic Area will use to do the analysis. Assure local NFMAS files are available for the analysis.
- Step 3: Determine the alternatives that will be examined within scenarios 3, 5, 6 and 7.
- Step 4: Develop accurate capital investment costs if needed for scenario 3 alternatives. Annualize these in 1995 dollars using approved agency processes. Develop pre-positioning and operation and maintenance costs for each alternative within a scenario.
- Step 5: Edit Forest NFMAS files with Average Acre (Suppression) Costs (AAC) and Net Value Change (NVC) values to assure all dollars are expressed in 1995 dollars.
- Step 6: Utilize the ATATTACK spreadsheet or equivalent process with given flight speeds and costs to determine initial attack times and unit mission costs to support Master Resource Table (MRT) changes needs for all alternatives within scenarios.
- Step 7: Edit Forest NFMAS Master Resource Table (MRT) files as needed to: include the addition of the AOAAAA00 resource and tag; to edit airtanker coding and gallons based on 1995 airtanker contract; to edit MRT airtanker attack times; to edit UMC's to reflect ATATTACK spreadsheet values for airtankers and to edit UMC's for non-airtanker resources to reflect 1995 year dollars. It is also suggested that all airtanker resources be moved to the top of the MRT listing for easy and quick reference.
- Step 8: Run scenario 1 and validate outputs.
- Step 9: Run scenario 2 to determine a baseline to measure airtanker alternative benefits.

Initial Attack Analysis Assumptions and Rules - Appendix B

- Step 10: Analyze alternatives in scenario 3 to address geographic area issues related to airtanker bases. Utilize Geographic Area cooperators input and internal Forest Service decision processes to decide if scenario 1 or 3 will be used to in the running of scenarios 4-7.
- Step 11: Run scenario 4 at each airtanker base. Note that this is a scenario with results aggregated and reported by airtanker base.
- Step 12: Analyze alternatives in scenario 5 to address Forest Service contract airtanker number reductions Nationally.
- Step 13: Analyze alternatives in scenario 6 to address Forest Service contract airtanker number additions Nationally.
- Step 14: Analyze alternatives based on selected locations in scenario 7 to address Forest Service contract airtanker deployment of T1500 airtanker types.
- Step 15: Complete forms for each scenario.

Documentation

Document all assumptions, processes, and results. Complete forms in Appendix A and feel free to develop additional forms or data bases which allow for easy of documentation. In the reply, identify where this documenation. As a minimum, keep all documentation until the end of 1996.





**Geographic Area Airtanker Program Cost Data and Detailed Reports for  
Initial Attack Analysis**

**APPENDIX C.  
Alaska Geographic Area**





UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
Office of Fire and Aviation  
3833 S. Development Avenue  
Boise, Idaho 83705-5354

FEB 9 - 1995

In Reply Refer To:  
9400 (RP-120)

Memorandum

To: Chair, National Air Tanker Study  
From: Director, Office of Fire and Aviation  
Subject: Bureau's Recommendations to the National Air Tanker Study (NATS)

The following are the Bureau of Land Management's (BLM) recommendations to the NATS on location and type (turbine vs. recip) of Office of Aircraft Services (OAS) contracted air tankers for the 1996 contract. We have compiled all of the recommendations for each state in this letter. This information should agree with the geographic area representative's information.

Our recommendations are:

Montana - Retain the air tanker at Billings. Provide the funding to upgrade the base to standards.

Idaho - Retain the air tanker at Pocatello. Upgrade to a turbine aircraft.

Nevada - By rank, our first priority is to add an air tanker at Battle Mountain for a total of three air tankers in the State. If air tanker availability and funding do not allow this additional air tanker there, then we recommend that a shared contract be pursued (perhaps with Alaska). For phase two of the study, we will want to seriously look at moving the air tanker base at Stead to another base, perhaps Battle Mountain.

Colorado - No changes in air tankers.

California - Move the air tanker from Porterville to Mather.

Alaska - No change in air tankers in Alaska. We do recommend that a shared contract be pursued between the States of Alaska (Fairbanks) and Nevada (Battle Mountain). The contracted air tanker would move down from Alaska around the end of July.

Minnesota - No change in air tankers. The Bureau of Indian Affairs will add one additional pit to the Bemidji Tanker Base.

We have made no recommendations concerning the 1000-2000 gallon air tankers or night capabilities. We feel these needs can be better addressed in phase two. We also recommend that phase two address the single engine air tanker issue. These recommendations are based on some analytical data and subjective analysis. We do not see any major changes for the 1996-98 contract period.

If you have any questions concerning this information, please contact Gary Johnson (BLM) at 907-356-5523 or John Piekareki (OAS) at 208-387-5776, our representatives for the study.

**MEMORANDUM**  
**Department of Natural Resources**

**State of Alaska**  
**Forestry / Aviation**

TO: Gary Johnson AFS Aviation Manager	DATE: February 2, 1995
	FILE NO: 9-2170
	TELEPHONE NO: 762-2124
FROM: Dennis Ricker Aviation Officer	SUBJECT: Airtanker Location and utilization
	REPLY DUE:

The State of Alaska, Division of Forestry (DOF) contracts for two Airtankers for use within Alaska. These two tankers are "pooled" with two additional Airtankers from the Alaska Fire Service (BLM). The Alaska Inter-agency Fire Coordination Center (AIFCC) based in Fairbanks dispatches and allocates all airtanker resources to fires within the State.

DOF has airtanker contracts which mirror the national airtanker equipment and flight crew specifications. Two differences in these contracts include:

- 1) Aircraft are contracted dry. (DOF provides fuel or contracts with the private sector for fuel).
- 2) Aircraft can be extended on contract for up to 4, 7-day periods.

DOF bases a 2,000 gallon Airtanker in the Southern part of the State in Palmer, Alaska. This Tanker starts on May 1st and continues for 90 days until July 29th. Human-caused fire in the urban-interface is the primary concern from mid-April through green-up in mid to late May. The lightning season in the Southern Zone begins around the 1st or 2nd week of June and continues until the end of July. This Palmer-based aircraft is pre-positioned to McGrath, Alaska during this time. This aircraft averages 75 to 100 hours of flight time per year. After July 29th, this aircraft is offered up through channels for mobilization to the Lower 48. The Palmer Tanker is moved to the Lower 48 on an average of 3 out of 5 years.

The State locates a 3,000 gallon Airtanker at the Ft. Wainwright Ramp in Fairbanks with AFS. It typically starts on May 22 and continues for a 90-day contract until August 19. Its primary purpose is to provide retardant support to high value lands within the Fairbanks Bowl. DOF's protection area also extends to the Delta and Tok areas of the State. Its 3,000 gallon capability (16 gates with the KC-97) and large fuel capacity makes it an excellent resource to deploy on long dispatches to the remote areas of Alaska during periods of high fire occurrence due to lightning. This aircraft

averages 75 to 100 hours of flight time per year. Because of its late contract start date and ability to be used anywhere in the State, this aircraft is typically the last one to either go off contract or be mobilized to the Lower 48. It is mobilized to the Lower 48 on the average of 3 years out of 5.

The combination of a 2,000 gallon tanker which starts early in the year with a 3,000 gallon tanker which starts later has been an effective tool for the State. The two DOF Tankers in addition to the two 2,200 gallon Tankers that are provided by AFS provide adequate retardant support to the fire program in a normal year. In extreme years, air tanker resources have been mobilized from cooperators in the Lower 48 and Canada to Alaska.

**To: Gary Johnson, Jim Ward**

**This is pretty quick and dirty....feel free to edit. Call me if this is not what you are looking for...Dennis 762-2124.**

## Alaska Fire Service Airtanker Dispatches

FIRE NAME	YEAR	LOADS 1500-2000 GALLONS	LOADS 2000+ GALLONS	TOTAL LOADS	SIZE CLASS
B016	1985	1		1	B
A012	1986		1	1	C
A029	1986		1	1	B
A058	1986		1	1	C
A068	1986		1	1	B
A131	1986		4	4	C
A187	1986		1	1	B
A274	1986	2		2	B
A292	1986	3		3	B
A338	1986	1		1	A
A341	1986		1	1	B
A343	1986		2	2	B
B052	1987		1	1	C
B088	1987		1	1	C
B103	1987	1	1	2	C
B105	1987	1		1	B
B159	1987	1	1	2	C
B162	1987		2	2	B
B184	1987		1	1	A
B188	1987		1	1	A
B218	1987		4	4	D
A059	1988	1	1	2	A
A068	1988	1		1	B
A076	1988	2		2	B
A081	1988	1		1	B
A107	1988	8		8	D
A178	1988	16		16	C
A191	1988	1		1	B
A209	1988	3		3	C
A229	1988	2		2	A
A265	1988	3		3	G
A273	1988	1		1	B
A276	1988	1		1	B
A296	1988	4		4	C
A314	1988	1		1	C
A319	1988	1		1	A
A322	1988	1		1	B
B031	1989	1		1	B
A019	1990	7		7	E
A051	1990	1		1	D

## Alaska Fire Service Airtanker Dispatches

FIRE NAME	YEAR	LOADS 1500-2000 GALLONS	LOADS 2000+ GALLONS	TOTAL LOADS	SIZE CLASS
A139	1990	1		1	D
A179	1990	2		2	C
A186	1990	2		2	D
A188	1990		1	1	B
A201	1990		1	1	C
A299	1990	12		12	D
A403	1990	1		1	B
A456	1990	1		1	B
A462	1990	1		1	C
A483	1990	1		1	E
B229	1991	1		1	E
B239	1991	1		1	F
B356	1991	11		11	G
B360	1991	1		1	B
B381	1991	1		1	G
B423	1991	1		1	B
B426	1991	1		1	B
B431	1991	1		1	B
B476	1991	2		2	C
B487	1991	2		2	B
B517	1991	1		1	B
B565	1991	1		1	A
B567	1991	1		1	A
B595	1991	6		6	C
B718	1991	1		1	C
B125	1993	1		1	B
B142	1993		1	1	B
B164	1993	1		1	B
B185	1993	2		2	B
B206	1993	1		1	C
B235	1993	1		1	B
B262	1993	1		1	F
B430	1993	1		1	C
B451	1993	2		2	B
B462	1993	1		1	C
B558	1993	1		1	C
B715	1993	1		1	B
B718	1993	3		3	C
B729	1993	1		1	B
B813	1993	1		1	C
B816	1993	3		3	C

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Geographic Area Airtanker Program Cost Data and Detailed Reports for  
Initial Attack Analysis

APPENDIX D.  
California Geographic Area



United States  
Department of  
Agriculture

Forest  
Service  
Region

Pacific  
Southwest

Regional Office  
630 Sansome Street  
San Francisco, CA 94111

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File Code: 5170

Date: January 27, 1995

Subject: National Airtanker Study

To: Don Carlton, Chair National Airtanker Study

After conducting an extensive review of existing and potential airtanker bases within the Pacific Southwest Region I am making the following recommendations beginning with the 1996 contracts:

- 1) Move the existing airtanker at Chico to Mather Field in Sacramento.
- 2) Move the existing airtankers at Hemet Ryan to Norton AFB (San Bernardino County Airport).
- 3) All other airtankers and bases will remain as presently configured.

Additionally, the Bureau of Land management, based on their own and our analysis, will be recommending relocating their Porterville airtanker to Mather Field.

If you have further questions please direct them to the Pacific Southwest Representative to the Airtanker Study, Scott Vail (916-621-5225).

/s/Ray Quintanar  
Acting Assistant Regional Forester  
for Fire and Aviation Management



UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
Office of Fire and Aviation  
3833 S. Development Avenue  
Boise, Idaho 83705-5354

FEB 9 - 1995

In Reply Refer To:  
9400 (RP-120)

Memorandum

To: Chair, National Air Tanker Study  
From: Director, Office of Fire and Aviation  
Subject: Bureau's Recommendations to the National Air Tanker Study (NATS)

The following are the Bureau of Land Management's (BLM) recommendations to the NATS on location and type (turbine vs. recip) of Office of Aircraft Services (OAS) contracted air tankers for the 1996 contract. We have compiled all of the recommendations for each state in this letter. This information should agree with the geographic area representative's information.

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If you have any questions concerning this information, please contact Gary Johnson (BLM) at 907-356-5523 or John Piekarski (OAS) at 208-387-5776, our representatives for the study.

California  
Forest Service

New  
Costs

ALT	FREQ	ACRES	ESC	FFF	UMC	TOT	FFF	NVC	AT	PG	CT	TOTAL	\$\$\$	DIFF	AC	DIFF	ATTY	ATTX-	DESCRIPTION	TOTAL	D-F	FIRES	TOTAL	G	FIRES	TOTAL	AT	DISP
10	2349	74731	57738465	13546079	71284544	-64469415	4146588	139900547	-----	1995 Contract	37.00	3.80	843.46															
21	2349	99135	83201804	14490450	97692254	-99859198	0	197551452	-24404	10-21	No airtankers	34.12	5.46	0.00														
31	2349	74711	57660972	13389428	71050400	-64422385	4307144	139780529	20	10-31	CHC->MHR	36.96	3.80	869.95														
32	2349	74726	57748237	13534722	71282959	-64466911	4293752	140043622	5	10-32	HMT->SBC	36.88	3.80	845.41														
33	2349	74131	57202328	13592757	70795083	-64505206	4288366	139588655	600	10-33	BLM PTV->MHR	37.01	3.72	753.57														
34	2349	75425	58434929	13566456	72001385	-64468670	4146588	140616643	-694	10-34	BLM PTV->BFL	37.02	3.90	840.14														
35	2349	74126	57212098	13581400	70793498	-64502702	4435530	139731730	605	10-35	HMT->SBC+BLM PTV->MHR	36.89	3.72	755.52														
36	2349	75420	58444704	13555096	71999800	-64466166	4293752	140759718	-689	10-36	HMT->SBC+BLM PTV->BFL	36.90	3.90	842.09														
37	2349	74706	57670744	13378071	71048815	-64420481	4454308	139923604	-23057	10-37	HMT->SBC+CIC->MHR	36.84	3.80	871.90														
41	2349	76505	60013516	13145527	73159043	-64998789	3957467	142115299	-1774	10-41	ALL RECIP	27.40	3.97	807.99														
42	2349	76448	59923679	13180836	73104515	-64987511	4023335	142115361	-62	41-42	T-3000 @ SBA	27.31	3.97	824.38														
43	2349	75694	59147792	13191770	72339562	-64951053	4026828	141317443	797856	41-43	T-3000 @ FAT	27.27	3.87	824.59														
44	2349	75604	58673931	13254022	71927953	-64535802	4011359	140475114	1640185	41-44	T-3000 @ RDD	37.16	3.90	851.46														
45	2349	76468	59931507	13207303	73138810	-64951221	3957467	142047498	67801	41-45	T-3000 @ LMT	27.43	3.97	821.30														
46	2349	76483	59939863	13235803	73175666	-64991974	4036309	142203949	-88650	41-46	T-3000 @ HMT	27.40	3.97	837.52														
51	2349	74131	57124761	13427235	70551996	-64421214	3645864	138619074	1281473	10-51	CUT 1 EA @ WJK & HMT	36.84	3.72	878.97														
52	2349	74145	57148697	13478980	70627677	-64437818	3787642	138853137	1047410	10-52	AL51 + BLM PTV->MHR	36.88	3.72	878.33														
61	2349	74102	57084034	13460786	70544820	-64440845	4518961	139504626	395921	10-52	ADD 1 T3000 @ MHR	36.97	3.72	857.95														

**ALTERNATIVES**

	<u>SIY</u>	<u>RDD</u>	<u>CHR</u>	<u>CIC</u>	<u>MHR</u>	<u>SCK</u>	<u>FAT</u>	<u>BHP</u>	<u>PTV</u>	<u>SBA</u>	<u>WJF</u>	<u>HMT</u>	<u>SBC</u>	<u>RMA</u>	<u>BFL</u>	<u>LMT</u>
ALTERNATIVE 10 Current Program	R1d	T30	R22	R22	0	R1d	T30	R1d	R22 R22	T30	R22 R22	R22 R22	0	R22	0	T30
ALTERNATIVE 21 No Airtankers																
ALTERNATIVE 31 CHC to MHR	R1d	T30	R22	0	R22	R1d	T30	R1d	R22 R22	T30	R22 R22	R22 R22	0	R22	0	T30
ALTERNATIVE 32 HMT to SBC	R1d	T30	R22	R22	0	R1d	T30	R1d	R22 R22	T30	R22 R22	0	R22 R22	R22	0	T30
ALTERNATIVE 33 BLM PTV to MHR	R1d	T30	R22	R22	R22	R1d	T30	R1d	R22	T30	R22	R22	0	R22	0	T30
ALTERNATIVE 34 BLM PTV to BFL	R1d	T30	R22	R22		R1d	T30	R1d	R22	T30	R22	R22	0	R22	R22	T30
ALTERNATIVE 35 BLM PTV to MHR HMT to SBC	R1d	T30	R22	R22	R22	R1d	T30	R1d	R22	T30	R22	0	R22 R22	R22	0	T30
ALTERNATIVE 36 BLM PTV to BFL HMT to SBC	R1d	T30	R22	R22	0	R1d	T30	R1d	R22	T30	R22	0	R22 R22	R22	R22	T30
ALTERNATIVE 37 HMT to SBC CIC to MHR	R1d	T30	R22	0	R22	R1d	T30	R1d	R22 R22	T30	R22 R22	0	R22 R22	R22	0	T30
ALTERNATIVE 41 No turbines	R1d	R22	R22	R22	0	R1d	R22	R1d	R22 R22	R22	R22 R22	R22 R22	0	R22	0	R22
ALTERNATIVE 42 T3000 SBA only	R1d	R22	R22	R22	0	R1d	R22	R1d	R22 R22	T30	R22 R22	R22 R22	0	R22	0	R22
ALTERNATIVE 43 T3000 FAT only	R1d	R22	R22	R22	0	R1d	T30	R1d	R22 R22	R22	R22 R22	R22 R22	0	R22	0	R22
ALTERNATIVE 44 T3000 RDD only	R1d	T30	R22	R22	0	R1d	R22	R1d	R22 R22	R22	R22 R22	R22 R22	0	R22	0	R22
ALTERNATIVE 45 T3000 LMT only	R1d	R22	R22	R22	0	R1d	R22	R1d	R22 R22	R22	R22 R22	R22 R22	0	R22	0	T30
ALTERNATIVE 46 T3000 HMT only	R1d	R22	R22	R22	0	R1d	R22	R1d	R22 R22	R22	R22 R22	T30 R22	0	R22	0	R22

California Geographic Area - Forest Service

	<u>SIY</u>	<u>RDD</u>	<u>CHR</u>	<u>CIC</u>	<u>MHR</u>	<u>SCK</u>	<u>FAT</u>	<u>BHP</u>	<u>PTV</u>	<u>SBA</u>	<u>WJF</u>	<u>HMT</u>	<u>SBC</u>	<u>RMA</u>	<u>BFL</u>	<u>LMT</u>
ALTERNATIVE 51 Reduce 2 A/T'S WJF & HMT	Rld	T30	R22	R22	0	Rld	T30	Rld	R22	T30	R22	R22	0	R22	0	T30
ALTERNATIVE 52 Reduce 2 A/T'S WJF & HMT BLM PTV to MHR	Rld	T30	R22	R22	R22	Rld	T30	Rld	R22	T30	R22	R22	0	R22	0	T30
ALTERNATIVE 61 Add 1 A/T MHR	Rld	T30	R22	R22	R22	Rld	T30	Rld	R22	T30	R22	R22	0	R22	0	T30

SIY=Montague/Siskiyou Co. Airport Reload  
 RDD=Redding  
 CHC=Chester  
 CIC=Chico  
 MHR=Mather  
 SCK=Stockton Reload  
 FAT=Fresno  
 BHP=Bishop Reload  
 PTV=Porterville (this ATB has a BLM airtanker as well as an FS airtanker)  
 SBA=Santa Barbara  
 WJF=Fox Field  
 HMT=Hemet Ryan  
 SBC=San Bernardino Co Airport aka Norton  
 RMA=Ramona  
 BFL=Bakersfield  
 LMT=Klamath Falls

R22=Recip 2200  
 T30=Turbine 3000  
 Rld=Reload  
 BLM PTV= BLM airtanker at Porterville

**AIRTANKER PROGRAM COSTS**

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
10 Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather					\$0	\$0
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total =\$4,146,588

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
21 Chester					\$0	\$0
Chico					\$0	\$0
Mather					\$0	\$0
Fresno					\$0	\$0
Hemet					\$0	\$0
Hemet					\$0	\$0
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster					\$0	\$0
Lancaster					\$0	\$0
Porterville					\$0	\$0
Ramona					\$0	\$0
Redding					\$0	\$0
Santa Barbara					\$0	\$0
Montique Reload						\$0
Stockton Reload						\$0
Bishop Reload						\$0

Forest Service Total = \$0



## AIRTANKER PROGRAM COSTS

Forest Service	Alt. Airtanker Base	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
	31 Chester		\$92,000	106	R2200	\$210,622	\$302,622
	Chico					\$0	\$0
	Mather	\$99,556	\$92,000	91	R2200	\$180,817	\$372,373
	Fresno		\$150,000	139	T3000	\$345,554	\$495,554
	Hemet		\$190,000	158	R2200	\$313,946	\$503,946
	Hemet			134	R2200	\$266,258	\$266,258
	Norton					\$0	\$0
	Norton					\$0	\$0
	Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
	Lancaster			118	R2200	\$234,466	\$234,466
	Porterville		\$60,000	125	R2200	\$248,375	\$308,375
	Ramona		\$102,000	184	R2200	\$365,608	\$467,608
	Redding		\$126,000	108	T3000	\$268,488	\$394,488
	Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
	Montique Reload		\$20,000				\$20,000
	Stockton Reload		\$5,000				\$5,000
	Bishop Reload		\$10,000				\$10,000

Forest Service Total = \$4,307,144

Cost of one-time capital improvements at Mather AFB are assumed to be \$1,000,000. In addition, a one time temporary moving cost of \$353,000 is expected. The amortized value of \$1,353,000 over 30 years at 4% is \$99,556 per annum.

Forest Service	Alt. Airtanker Base	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
	32 Chester		\$92,000	106	R2200	\$210,622	\$302,622
	Chico		\$31,000	91	R2200	\$180,817	\$211,817
	Mather					\$0	\$0
	Fresno		\$150,000	139	T3000	\$345,554	\$495,554
	Hemet					\$0	\$0
	Hemet					\$0	\$0
	Norton	\$147,164	\$190,000	158	R2200	\$313,946	\$651,110
	Norton			134	R2200	\$266,258	\$266,258
	Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
	Lancaster			118	R2200	\$234,466	\$234,466
	Porterville		\$60,000	125	R2200	\$248,375	\$308,375
	Ramona		\$102,000	184	R2200	\$365,608	\$467,608
	Redding		\$126,000	108	T3000	\$268,488	\$394,488
	Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
	Montique Reload		\$20,000				\$20,000
	Stockton Reload		\$5,000				\$5,000
	Bishop Reload		\$10,000				\$10,000

Forest Service Total = \$4,293,752

Cost of one-time capital improvements at San Bernardino County Airport are assumed to be \$2,000,000. The amortized value of \$2,000,000 over 30 years at 4% is \$147,164 per annum.

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base 33						
Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather	\$49,778	\$92,000	BLM		\$0	\$141,778
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total =\$4,288,366

In alternative 33, the capital improvement costs are assumed to be split with the BLM on a 50-50 basis. BLM is assumed to be paying 100% of the contract availability.

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base 34						
Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000			\$0	\$31,000
Mather			91	R2200	\$180,817	\$180,817
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total =\$4,146,588

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
35 Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather	\$49,778	\$92,000	BLM		\$0	\$141,778
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet					\$0	\$0
Hemet					\$0	\$0
Norton	\$147,164	\$190,000	158	R2200	\$313,946	\$651,110
Norton			134	R2200	\$266,258	\$266,258
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total = \$4,435,530

In alternative 35, the capital improvement costs are assumed to be split with the BLM on a 50-50 basis. BLM is assumed to be paying 100% of the contract availability.

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
36 Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather					\$0	\$0
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet					\$0	\$0
Hemet					\$0	\$0
Norton	\$147,164	\$190,000	158	R2200	\$313,946	\$651,110
Norton			134	R2200	\$266,258	\$266,258
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total = \$4,293,752

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base 37						
Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico					\$0	\$0
Mather	\$99,556	\$92,000	91	R2200	\$180,817	\$372,373
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet					\$0	\$0
Hemet					\$0	\$0
Norton	\$147,164	\$190,000	158	R2200	\$313,946	\$651,110
Norton			134	R2200	\$266,258	\$266,258
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total = \$4,454,308

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base 41						
Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather					\$0	\$0
Fresno		\$150,000	139	R2200	\$276,193	\$426,193
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	R2200	\$214,596	\$340,596
Santa Barbara		\$155,000	132	R2200	\$262,284	\$417,284
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total = \$3,957,467

California Geographic Area - Forest Service

**AIRTANKER PROGRAM COSTS**

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base 42						
Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather					\$0	\$0
Fresno		\$150,000	139	R2200	\$276,193	\$426,193
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	R2200	\$214,596	\$340,596
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total =\$4,023,335

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base 43						
Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather					\$0	\$0
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	R2200	\$214,596	\$340,596
Santa Barbara		\$155,000	132	R2200	\$262,284	\$417,284
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total =\$4,026,828

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
44 Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather					\$0	\$0
Fresno		\$150,000	139	R2200	\$276,193	\$426,193
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	R2200	\$262,284	\$417,284
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total =\$4,011,359

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
45 Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather					\$0	\$0
Fresno		\$150,000	139	R2200	\$276,193	\$426,193
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	R2200	\$214,596	\$340,596
Santa Barbara		\$155,000	132	R2200	\$262,284	\$417,284
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total =\$3,957,467

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
46 Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather					\$0	\$0
Fresno		\$150,000	139	R2200	\$276,193	\$426,193
Hemet		\$190,000	158	T3000	\$392,788	\$582,788
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	R2200	\$214,596	\$340,596
Santa Barbara		\$155,000	132	R2200	\$262,284	\$417,284
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total =\$4,036,309

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
51 Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather					\$0	\$0
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet					\$0	\$0
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster					\$0	\$0
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total =\$3,645,864

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base 52						
Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather	\$49,778	\$92,000	BLM	R2200	\$0	\$141,778
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet					\$0	\$0
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster					\$0	\$0
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total = \$3,787,642

In alternative 52, the capital improvement costs are assumed to be split with the BLM on a 50-50 basis. BLM is assumed to be paying 100% of the contract availability.

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base 61						
Chester		\$92,000	106	R2200	\$210,622	\$302,622
Chico		\$31,000	91	R2200	\$180,817	\$211,817
Mather	\$99,556	\$92,000	91	R2200	\$180,817	\$372,373
Fresno		\$150,000	139	T3000	\$345,554	\$495,554
Hemet		\$190,000	158	R2200	\$313,946	\$503,946
Hemet			134	R2200	\$266,258	\$266,258
Norton					\$0	\$0
Norton					\$0	\$0
Lancaster		\$133,330	156	R2200	\$309,972	\$443,302
Lancaster			118	R2200	\$234,466	\$234,466
Porterville		\$60,000	125	R2200	\$248,375	\$308,375
Ramona		\$102,000	184	R2200	\$365,608	\$467,608
Redding		\$126,000	108	T3000	\$268,488	\$394,488
Santa Barbara		\$155,000	132	T3000	\$328,152	\$483,152
Montique Reload		\$20,000				\$20,000
Stockton Reload		\$5,000				\$5,000
Bishop Reload		\$10,000				\$10,000

Forest Service Total = \$4,518,961



California Geographic Area - Forest Service

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values										
ALT	UN NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL10		2349		74731	57738465	13546079	71284544	-64469415	4146588	139900547
AL21		2349		99135	83201804	14490450	97692254	-99859198	0	197551452
AL31		2349		74711	57660972	13389428	71050400	-64422985	4307144	139780529
AL32		2349		74726	57748237	13534722	71282959	-64466911	4293752	140043622
AL33		2349		74131	57202326	13592757	70795083	-64505206	4288366	139588655
AL34		2349		75425	58434929	13566456	72001385	-64468670	4146588	140616643
AL35		2349		74126	57212098	13581400	70793498	-64502702	4435530	139731730
AL36		2349		75420	58444704	13555096	71999800	-64466166	4293752	140759718
AL37		2349		74706	57670744	13378071	71048815	-64420481	4454308	139923604
AL41		2349		76505	60013516	13145527	73159043	-64998789	3957467	142115299
AL42		2349		76448	59923679	13180836	73104515	-64987511	4023335	142115361
AL43		2349		75694	59147792	13191770	72339562	-64951053	4026828	141317443
AL44		2349		75604	58673931	13254022	71927953	-64535802	4011359	140475114
AL45		2349		76468	59931507	13207303	73138810	-64951221	3957467	142047498
AL46		2349		76483	59939863	13235803	73175666	-64991974	4036309	142203949
AL51		2349		74131	57124761	13427235	70551996	-64421214	3645864	138619074
AL52		2349		74145	57148697	13478980	70627677	-64437818	3787642	138853137
AL61		2349		74102	57084034	13460786	70544820	-64440845	4518961	139504626

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL10		1742.82	504.62	59.68	21.35	9.71	5.94	3.80	2347.92
AL21		1612.06	576.12	110.11	24.35	10.98	8.79	5.46	2347.87
AL31		1750.23	497.66	59.32	21.31	9.71	5.94	3.80	2347.97
AL32		1742.17	506.01	59.07	21.23	9.71	5.94	3.80	2347.93
AL33		1743.11	503.92	60.18	21.34	9.73	5.94	3.72	2347.94
AL34		1742.82	505.24	58.96	21.35	9.73	5.94	3.90	2347.94
AL35		1742.46	505.31	59.57	21.22	9.73	5.94	3.72	2347.95
AL36		1742.17	506.63	58.35	21.23	9.73	5.94	3.90	2347.95
AL37		1749.58	499.05	58.71	21.19	9.71	5.94	3.80	2347.98
AL41		1734.29	510.50	61.78	21.15	10.25	6.00	3.97	2347.94
AL42		1735.03	510.36	61.30	21.08	10.23	6.00	3.97	2347.97
AL43		1742.12	503.17	61.52	21.11	10.21	5.95	3.87	2347.95
AL44		1740.90	506.54	59.44	21.19	9.97	6.00	3.90	2347.94
AL45		1735.65	509.96	60.93	21.34	10.10	5.99	3.97	2347.94
AL46		1734.86	509.92	61.78	21.15	10.25	6.00	3.97	2347.93
AL51		1749.58	496.72	61.14	21.19	9.71	5.94	3.72	2348.00
AL52		1749.58	495.85	61.97	21.23	9.71	5.94	3.72	2348.00
AL61		1750.48	497.29	59.50	21.32	9.71	5.94	3.72	2347.96

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

**Airtanker Codes A1-A7 Only**

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL10			441.85	292.18	58.36	25.39	13.08	8.07	4.53	843.46
AL21			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL31			462.37	296.21	59.39	26.15	13.08	8.21	4.54	869.95
AL32			440.91	295.31	58.24	25.27	13.08	8.07	4.53	845.41
AL33			360.74	283.98	58.10	25.55	12.87	8.06	4.27	753.57
AL34			441.85	291.83	55.53	25.26	12.93	8.01	4.73	840.14
AL35			359.80	287.11	57.98	25.43	12.87	8.06	4.27	755.52
AL36			440.91	294.96	55.41	25.14	12.93	8.01	4.73	842.09
AL37			461.43	299.34	59.27	26.03	13.08	8.21	4.54	871.90
AL41			435.17	282.73	50.16	20.38	9.93	5.77	3.85	807.99
AL42			436.26	288.23	55.53	22.22	11.60	5.93	4.61	824.38
AL43			445.64	278.54	54.18	22.59	11.76	7.30	4.58	824.59
AL44			449.76	302.99	53.79	23.05	11.22	6.64	4.01	851.46
AL45			437.21	288.60	51.42	22.27	11.27	6.45	4.08	821.30
AL46			435.75	288.30	62.53	27.22	11.16	7.76	4.80	837.52
AL51			461.43	298.36	62.45	28.00	14.31	9.53	4.89	878.97
AL52			461.43	296.85	63.24	28.08	14.31	9.53	4.89	878.33
AL61			459.33	289.19	58.00	25.75	13.22	8.07	4.39	857.95

**Airtanker Codes A1-A7 and A9**

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL10			441.85	294.88	60.29	27.28	14.29	9.21	4.81	852.61
AL21			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL31			462.37	298.91	60.83	28.04	14.27	8.67	4.82	877.91
AL32			440.91	298.01	60.17	27.16	14.29	9.21	4.81	854.56
AL33			455.85	315.53	60.41	25.99	13.25	8.82	4.42	884.27
AL34			441.85	300.72	61.73	27.77	14.85	8.57	5.22	860.71
AL35			454.91	318.66	60.29	25.87	13.25	8.82	4.42	886.22
AL36			440.91	303.85	61.61	27.65	14.85	8.57	5.22	862.66
AL37			461.43	302.04	60.71	27.92	14.27	8.67	4.82	879.86
AL41			435.17	285.42	51.60	22.31	11.14	6.36	4.23	816.23
AL42			436.26	290.81	56.97	24.15	12.81	6.52	4.99	832.51
AL43			445.64	281.35	55.62	24.48	12.95	7.76	4.86	832.66
AL44			449.76	305.68	55.23	24.98	12.43	7.23	4.39	859.70
AL45			437.21	291.29	52.86	24.20	12.48	7.04	4.46	829.54
AL46			435.75	290.99	63.97	29.15	12.37	8.35	5.18	845.76
AL51			461.43	298.36	62.45	28.00	14.31	9.53	4.89	878.97
AL52			461.43	300.98	64.75	28.32	14.33	10.28	4.92	885.01
AL61			459.33	289.19	58.00	25.75	13.22	8.07	4.39	857.95

**Key To National Forest Identification Numbers  
 Used in the Initial Attack Analysis**

- |                 |                      |                        |
|-----------------|----------------------|------------------------|
| 01-Angeles NF   | 07-Los Padres NF     | 13-Sequoia NF          |
| 02-Cleveland NF | 08-Mendocino NF      | 14-Shasta-Trinity NF   |
| 03-Eldorado NF  | 09-Modoc NF          | 15-Sierra NF           |
| 04-Inyo NF      | 10-Six Rivers NF     | 16-Stanislaus NF       |
| 05-Klamath NF   | 11-Plumas NF         | 17-Tahoe NF            |
| 06-Lassen NF    | 12-San Bernardino NF | 19-Lake Tahoe Basin MU |

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values										
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS	
AL10										
	01	105	8531	3085551	868276	3953827	-3185136	-	7138963	
	02	86	4262	4791624	740335	5531959	-1583761	-	7115720	
	03	88	218	599239	199149	798388	-1200635	-	1999023	
	04	112	1189	1039431	261576	1301007	-354852	-	1655859	
	05	154	9076	7442994	1062544	8505538	-13018636	-	21524174	
	06	118	2170	1394677	461595	1856272	-1335384	-	3191656	
	07	80	13248	7550452	823850	8374302	-3703106	-	12077408	
	08	55	727	623733	226774	850507	-1431315	-	2281822	
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424	
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407	
	11	201	849	1769885	1004667	2774552	-4726605	-	7501157	
	12	227	13118	8884400	980692	9865092	-4675600	-	14540692	
	13	189	6276	4478972	1190883	5669855	-5565349	-	11235204	
	14	204	1766	3029329	2232239	5261568	-2857267	-	8118835	
	15	160	1118	1804365	677428	2481793	-1389401	-	3871194	
	16	144	5171	3398932	974568	4373500	-13488985	-	17862485	
	17	157	862	771244	899874	1671118	-1313888	-	2985006	
	19	81	41	272371	85550	357921	-18009	-	375930	
	Total:		2349	74731	57738465	13546079	71284544	-64469415	4146588	139900547
AL21										
	01	105	8540	3107857	845158	3953015	-3187227	-	7140242	
	02	86	4299	4925049	615853	5540902	-1592912	-	7133814	
	03	88	232	663402	197215	860617	-1296568	-	2157185	
	04	112	1482	1274389	243020	1517409	-421687	-	1939096	
	05	154	22152	18640065	1307680	19947745	-23923451	-	43871196	
	06	118	2193	1479569	436872	1916441	-1354421	-	3270862	
	07	80	13782	8126913	848959	8975872	-3789224	-	12765096	
	08	55	828	678421	208763	887184	-1633497	-	2520681	
	09	113	4889	3494138	314372	3808510	-2360666	-	6169176	
	10	58	1587	4627405	173012	4800417	-2903464	-	7703881	
	11	201	1070	2359298	1100424	3459722	-5721037	-	9180759	
	12	227	14934	10358867	739622	11098489	-5168385	-	16266874	
	13	189	11273	9380068	1681095	11061163	-21705706	-	32766869	
	14	204	3140	5397735	2356610	7754345	-5307723	-	13062068	
	15	160	1221	2067661	603764	2671425	-1479661	-	4151086	
	16	144	6419	5232218	1796877	7029095	-16439065	-	23468160	
	17	157	1052	1105779	936202	2041981	-1555610	-	3597591	
	19	81	42	282970	84952	367922	-18894	-	386816	
	Total:		2349	99135	83201804	14490450	97692254	-99859198	0	197551452

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

		Annual Expected Values						UNIT'S	
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL31									
	01	105	8531	3085551	868276	3953827	-3185136	-	7138963
	02	86	4262	4791624	740335	5531959	-1583761	-	7115720
	03	88	216	586529	229275	815804	-1190144	-	2005948
	04	112	1189	1039431	261576	1301007	-354852	-	1655859
	05	154	9076	7442903	1062644	8505547	-13018636	-	21524183
	06	118	2170	1392700	463177	1855877	-1335407	-	3191284
	07	80	13248	7550452	823850	8374302	-3703106	-	12077408
	08	55	721	615607	229312	844919	-1417607	-	2262526
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407
	11	201	842	1750467	1015278	2765745	-4705867	-	7471612
	12	227	13118	8884400	980692	9865092	-4675600	-	14540692
	13	189	6276	4478972	1190883	5669855	-5565349	-	11235204
	14	204	1772	3050079	2236647	5286726	-2873836	-	8160562
	15	160	1118	1803440	677852	2481292	-1388927	-	3870219
	16	144	5160	3341270	826299	4167569	-13471094	-	17638663
	17	157	862	774311	842621	1616932	-1314267	-	2931199
	19	81	41	271970	84632	356602	-17910	-	374512
Total:		2349	74711	57660972	13389428	71050400	-64422985	4307144	140001274
AL32									
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840
	02	86	4265	4795148	740993	5536141	-1584369	-	7120510
	03	88	218	599239	199149	798388	-1200635	-	1999023
	04	112	1189	1039431	261576	1301007	-354852	-	1655859
	05	154	9076	7442994	1062544	8505538	-13018636	-	21524174
	06	118	2170	1394677	461595	1856272	-1335384	-	3191656
	07	80	13248	7550452	823850	8374302	-3703106	-	12077408
	08	55	727	623733	226774	850507	-1431315	-	2281822
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407
	11	201	849	1769885	1004667	2774552	-4726605	-	7501157
	12	227	13110	8892037	970114	9862151	-4672785	-	14534936
	13	189	6276	4478972	1190883	5669855	-5565349	-	11235204
	14	204	1766	3029329	2232239	5261568	-2857267	-	8118835
	15	160	1118	1804365	677428	2481793	-1389401	-	3871194
	16	144	5171	3398932	974568	4373500	-13488985	-	17862485
	17	157	862	771244	899874	1671118	-1313888	-	2985006
	19	81	41	272371	85550	357921	-18009	-	375930
Total:		2349	74726	57748237	13534722	71282959	-64466911	4466889	140216759

California Geographic Area - Forest Service

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

		Annual Expected Values						AT	UNIT'S
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	PROG COST	ALT COSTS
AL33									
	01	105	8531	3085551	868276	3953827	-3185136	-	7138963
	02	86	4262	4791624	740335	5531959	-1583761	-	7115720
	03	88	220	610852	229990	840842	-1221328	-	2062170
	04	112	1189	1039151	261856	1301007	-354852	-	1655859
	05	154	9076	7442994	1062544	8505538	-13018636	-	21524174
	06	118	2170	1394677	461595	1856272	-1335384	-	3191656
	07	80	13248	7550137	823824	8373961	-3703095	-	12077056
	08	55	727	623733	226774	850507	-1431315	-	2281822
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407
	11	201	849	1769885	1004667	2774552	-4726605	-	7501157
	12	227	13118	8884400	980692	9865092	-4675600	-	14540692
	13	189	5659	3887755	1200463	5088218	-5560329	-	10648547
	14	204	1765	3029145	2232652	5261797	-2862661	-	8124458
	15	160	1120	1806814	678669	2485483	-1391243	-	3876726
	16	144	5172	3397209	922352	4319561	-13491118	-	17810679
	17	157	874	808586	954073	1762659	-1323960	-	3086619
	19	81	42	278547	87916	366463	-18697	-	385160
Total:		2349	74131	57202326	13592757	70795083	-64505206	4398739	139699028
AL34									
	01	105	8531	3085551	868276	3953827	-3185136	-	7138963
	02	86	4262	4791624	740335	5531959	-1583761	-	7115720
	03	88	218	599239	199149	798388	-1200635	-	1999023
	04	112	1189	1039151	261856	1301007	-354852	-	1655859
	05	154	9076	7442994	1062544	8505538	-13018636	-	21524174
	06	118	2170	1394677	461595	1856272	-1335384	-	3191656
	07	80	13277	7601158	835476	8436634	-3708014	-	12144648
	08	55	727	623733	226774	850507	-1431315	-	2281822
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407
	11	201	849	1769885	1004667	2774552	-4726605	-	7501157
	12	227	13118	8884533	980559	9865092	-4675600	-	14540692
	13	189	6948	5165105	1206443	6371548	-5571988	-	11943536
	14	204	1766	3029329	2232239	5261568	-2857267	-	8118835
	15	160	1118	1804365	677428	2481793	-1389401	-	3871194
	16	144	5164	3358704	967612	4326316	-13476693	-	17803009
	17	157	862	771244	899874	1671118	-1313888	-	2985006
	19	81	41	272371	85550	357921	-18009	-	375930
Total:		2349	75425	58434929	13566456	72001385	-64468670	4 46588	140616643

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

ALT	UN NO	FREQ	ACRES	Annual Expected Values			NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS	
				ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST				
AL35										
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840	
	02	86	4265	4795148	740993	5536141	-1584369	-	7120510	
	03	88	220	610852	229990	840842	-1221328	-	2062170	
	04	112	1189	1039151	261856	1301007	-354852	-	1655859	
	05	154	9076	7442994	1062544	8505538	-13018636	-	21524174	
	06	118	2170	1394677	461595	1856272	-1335384	-	3191656	
	07	80	13248	7550137	823824	8373961	-3703095	-	12077056	
	08	55	727	623733	226774	850507	-1431315	-	2281822	
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424	
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407	
	11	201	849	1769885	1004667	2774552	-4726605	-	7501157	
	12	227	13110	8892037	970114	9862151	-4672785	-	14534936	
	13	189	5659	3887755	1200463	5088218	-5560329	-	10648547	
	14	204	1765	3029145	2232652	5261797	-2862661	-	8124458	
	15	160	1120	1806814	678669	2485483	-1391243	-	3876726	
	16	144	5172	3397209	922352	4319561	-13491118	-	17810679	
	17	157	874	808586	954073	1762659	-1323960	-	3086619	
	19	81	42	278547	87916	366463	-18697	-	385160	
Total:			2349	74126	57212098	13581400	70793498	-64502702	4435530	139731730
AL36										
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840	
	02	86	4265	4795148	740993	5536141	-1584369	-	7120510	
	03	88	218	599239	199149	798388	-1200635	-	1999023	
	04	112	1189	1039151	261856	1301007	-354852	-	1655859	
	05	154	9076	7442994	1062544	8505538	-13018636	-	21524174	
	06	118	2170	1394677	461595	1856272	-1335384	-	3191656	
	07	80	13277	7601158	835476	8436634	-3708014	-	12144648	
	08	55	727	623733	226774	850507	-1431315	-	2281822	
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424	
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407	
	11	201	849	1769885	1004667	2774552	-4726605	-	7501157	
	12	227	13110	8892173	969978	9862151	-4672785	-	14534936	
	13	189	6948	5165105	1206443	6371548	-5571988	-	11943536	
	14	204	1766	3029329	2232239	5261568	-2857267	-	8118835	
	15	160	1118	1804365	677428	2481793	-1389401	-	3871194	
	16	144	5164	3358704	967612	4326316	-13476693	-	17803009	
	17	157	862	771244	899874	1671118	-1313888	-	2985006	
	19	81	41	272371	85550	357921	-18009	-	375930	
Total:			2349	75420	58444704	13555096	71999800	-64466166	4293752	140759718

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 (Per Acre And Unit Mission Separate)

		Annual Expected Values						AT	UNIT'S
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	PROG COST	ALT COSTS
AL37									
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840
	02	86	4265	4795148	740993	5536141	-1584369	-	7120510
	03	88	216	586529	229275	815804	-1190144	-	2005948
	04	112	1189	1039431	261576	1301007	-354852	-	1655859
	05	154	9076	7442903	1062644	8505547	-13018636	-	21524183
	06	118	2170	1392700	463177	1855877	-1335407	-	3191284
	07	80	13248	7550452	823850	8374302	-3703106	-	12077408
	08	55	721	615607	229312	844919	-1417607	-	2262526
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407
	11	201	842	1750467	1015278	2765745	-4705867	-	7471612
	12	227	13110	8892037	970114	9862151	-4672785	-	14534936
	13	189	6276	4478972	1190883	5669855	-5565349	-	11235204
	14	204	1772	3050079	2236647	5286726	-2873836	-	8160562
	15	160	1118	1803440	677852	2481292	-1388927	-	3870219
	16	144	5160	3341270	826299	4167569	-13471094	-	17638663
	17	157	862	774311	842621	1616932	-1314267	-	2931199
	19	81	41	271970	84632	356602	-17910	-	374512
Total:		2349	74706	57670744	13378071	71048815	-64420481	4454308	139923604
AL41									
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840
	02	86	4265	4795148	740993	5536141	-1584369	-	7120510
	03	88	216	586529	229275	815804	-1190144	-	2005948
	04	112	1264	1090319	258803	1349122	-374052	-	1723174
	05	154	9764	7944158	1007728	8951886	-13050326	-	22002212
	06	118	2178	1420038	460047	1880085	-1343173	-	3223258
	07	80	13329	7657170	790953	8448123	-3717903	-	12166026
	08	55	732	641165	218706	859871	-1435785	-	2295656
	09	113	4886	3451258	345848	3797106	-2358274	-	6155380
	10	58	1396	3947898	456952	4404850	-2593237	-	6998087
	11	201	864	1844497	1010555	2855052	-4766348	-	7621400
	12	227	13111	8895749	966163	9861912	-4673028	-	14534940
	13	189	6950	5171816	1188932	6360748	-5573371	-	11934119
	14	204	1796	3192621	2224882	5417503	-2933816	-	8351319
	15	160	1152	1870035	671145	2541180	-1404343	-	3945523
	16	144	5166	3370169	794862	4165031	-13480729	-	17645760
	17	157	864	778814	828212	1607026	-1317142	-	2924168
	19	81	41	271970	84632	356602	-17910	-	374512
Total:		2349	76505	60013516	13145527	73159043	-64998789	3957467	142115299

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 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

ALT NO	UN NO	FREQ	ACRES	Annual Expected Values			NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
				ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST			
AL42									
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840
	02	86	4265	4795148	740993	5536141	-1584369	-	7120510
	03	88	216	586529	229275	815804	-1190144	-	2005948
	04	112	1264	1090319	258803	1349122	-374052	-	1723174
	05	154	9764	7944158	1007728	8951886	-13050326	-	22002212
	06	118	2178	1420038	460047	1880085	-1343173	-	3223258
	07	80	13273	7570931	822425	8393356	-3706868	-	12100224
	08	55	732	641165	218706	859871	-1435785	-	2295656
	09	113	4886	3451258	345848	3797106	-2358274	-	6155380
	10	58	1396	3947898	456952	4404850	-2593237	-	6998087
	11	201	864	1844497	1010555	2855052	-4766348	-	7621400
	12	227	13110	8892151	970000	9862151	-4672785	-	14534936
	13	189	6950	5171816	1188932	6360748	-5573371	-	11934119
	14	204	1796	3192621	2224882	5417503	-2933816	-	8351319
	15	160	1152	1870035	671145	2541180	-1404343	-	3945523
	16	144	5166	3370169	794862	4165031	-13480729	-	17645760
	17	157	864	778814	828212	1607026	-1317142	-	2924168
	19	81	41	271970	84632	356602	-17910	-	374512
Total:		2349	76448	59923679	13180836	73104515	-64987511	4023335	142115361
AL43									
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840
	02	86	4265	4795148	740993	5536141	-1584369	-	7120510
	03	88	216	586529	229275	815804	-1190144	-	2005948
	04	112	1189	1039431	261576	1301007	-354852	-	1655859
	05	154	9764	7944158	1007728	8951886	-13050326	-	22002212
	06	118	2178	1420038	460047	1880085	-1343173	-	3223258
	07	80	13303	7624420	793470	8417890	-3713805	-	12131695
	08	55	732	641165	218706	859871	-1435785	-	2295656
	09	113	4886	3451258	345848	3797106	-2358274	-	6155380
	10	58	1396	3947898	456952	4404850	-2593237	-	6998087
	11	201	864	1844497	1010555	2855052	-4766348	-	7621400
	12	227	13111	8895635	966277	9861912	-4673028	-	14534940
	13	189	6276	4478972	1190883	5669855	-5565349	-	11235204
	14	204	1798	3195492	2224543	5420035	-2940046	-	8360081
	15	160	1118	1803440	677852	2481292	-1388927	-	3870219
	16	144	5162	3344765	827382	4172147	-13473499	-	17645646
	17	157	864	778814	828212	1607026	-1317142	-	2924168
	19	81	41	271970	84632	356602	-17910	-	374512
Total:		2349	75694	59147792	13191770	72339562	-64951053	4026828	141317443



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 Summary By Alternative and Forest  
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 (Per Acre And Unit Mission Separate)

Annual Expected Values										
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS	
AL44										
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840	
	02	86	4265	4795148	740993	5536141	-1584369	-	7120510	
	03	88	216	586529	229275	815804	-1190144	-	2005948	
	04	112	1264	1090319	258803	1349122	-374052	-	1723174	
	05	154	9096	7434345	1045693	8480038	-13041035	-	21521073	
	06	118	2170	1396030	459847	1855877	-1335407	-	3191284	
	07	80	13329	7657170	790953	8448123	-3717903	-	12166026	
	08	55	721	615607	229312	844919	-1417607	-	2262526	
	09	113	4886	3451258	345848	3797106	-2358274	-	6155380	
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407	
	11	201	842	1750467	1015278	2765745	-4705867	-	7471612	
	12	227	13111	8895749	966163	9861912	-4673028	-	14534940	
	13	189	6950	5171816	1188932	6360748	-5573371	-	11934119	
	14	204	1779	3096520	2222871	5319391	-2900281	-	8219672	
	15	160	1152	1870035	671145	2541180	-1404343	-	3945523	
	16	144	5165	3367222	794799	4162021	-13478989	-	17641010	
	17	157	862	774311	842621	1616932	-1314267	-	2931199	
	19	81	41	271970	84632	356602	-17910	-	374512	
Total:			2349	75604	58673931	13254022	71927953	-64535802	4011359	140475114
AL45										
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840	
	02	86	4265	4795148	740993	5536141	-1584369	-	7120510	
	03	88	216	586529	229275	815804	-1190144	-	2005948	
	04	112	1264	1090319	258803	1349122	-374052	-	1723174	
	05	154	9744	7950714	1032282	8982996	-13027781	-	22010777	
	06	118	2172	1402408	457575	1859983	-1337635	-	3197618	
	07	80	13329	7657170	790953	8448123	-3717903	-	12166026	
	08	55	732	641165	218706	859871	-1435785	-	2295656	
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424	
	10	58	1396	3947898	456952	4404850	-2593237	-	6998087	
	11	201	864	1844497	1010555	2855052	-4766348	-	7621400	
	12	227	13111	8895749	966163	9861912	-4673028	-	14534940	
	13	189	6950	5171816	1188932	6360748	-5573371	-	11934119	
	14	204	1786	3136951	2254363	5391314	-2915235	-	8306549	
	15	160	1152	1870035	671145	2541180	-1404343	-	3945523	
	16	144	5166	3370169	794862	4165031	-13480729	-	17645760	
	17	157	864	778814	828212	1607026	-1317142	-	2924168	
	19	81	41	271970	84632	356602	-17910	-	374512	
Total:			2349	76468	59931507	13207303	73138810	-64951221	3957467	142047498

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 (Without Breakdown Of NVC)  
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		Annual Expected Values							
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL46									
	01	105	8530	3081887	870016	3951903	-3184357	-	7136260
	02	86	4255	4764763	760086	5524849	-1581878	-	7106727
	03	88	216	586529	229275	815804	-1190144	-	2005948
	04	112	1264	1090319	258803	1349122	-374052	-	1723174
	05	154	9764	7944158	1007728	8951886	-13050326	-	22002212
	06	118	2178	1420038	460047	1880085	-1343173	-	3223258
	07	80	13329	7657170	790953	8448123	-3717903	-	12166026
	08	55	732	641165	218706	859871	-1435785	-	2295656
	09	113	4886	3451258	345848	3797106	-2358274	-	6155380
	10	58	1396	3947898	456952	4404850	-2593237	-	6998087
	11	201	864	1844497	1010555	2855052	-4766348	-	7621400
	12	227	13100	8854756	1034169	9888925	-4669186	-	14558111
	13	189	6950	5171816	1188932	6360748	-5573371	-	11934119
	14	204	1796	3192621	2224882	5417503	-2933816	-	8351319
	15	160	1152	1870035	671145	2541180	-1404343	-	3945523
	16	144	5166	3370169	794862	4165031	-13480729	-	17645760
	17	157	864	778814	828212	1607026	-1317142	-	2924168
	19	81	41	271970	84632	356602	-17910	-	374512
Total:		2349	76483	59939863	13235803	73175666	-64991974	4036309	142203949
AL51									
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840
	02	86	4267	4802950	734607	5537557	-1584604	-	7122161
	03	88	216	586529	229275	815804	-1190144	-	2005948
	04	112	1189	1039151	261856	1301007	-354852	-	1655859
	05	154	9076	7442903	1062644	8505547	-13018636	-	21524183
	06	118	2170	1392700	463177	1855877	-1335407	-	3191284
	07	80	13249	7550762	825230	8375992	-3703457	-	12079449
	08	55	721	615607	229312	844919	-1417607	-	2262526
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407
	11	201	842	1750467	1015278	2765745	-4705867	-	7471612
	12	227	13150	8939585	1005617	9945202	-4677988	-	14623190
	13	189	5658	3877609	1209270	5086879	-5560293	-	10647172
	14	204	1772	3050079	2236647	5286726	-2873836	-	8160562
	15	160	1118	1803440	677852	2481292	-1388927	-	3870219
	16	144	5160	3341270	826299	4167569	-13471094	-	17638663
	17	157	862	774311	842621	1616932	-1314267	-	2931199
	19	81	41	271970	84632	356602	-17910	-	374512
Total:		2349	74131	57124761	13427235	70551996	-64421214	3645864	138619074

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Annual Expected Values									
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S	
NO	NO	FREQ	ACRES	SUPP	MISSION	SUPP COST	PROG	ALT	
				COST	COST		COST	COSTS	
						CHANGE			
AL52									
	01	105	8531	3084162	866839	3951001	-3184839	-	7135840
	02	86	4267	4802950	734607	5537557	-1584604	-	7122161
	03	88	216	586529	229275	815804	-1190144	-	2005948
	04	112	1189	1039151	261856	1301007	-354852	-	1655859
	05	154	9076	7442903	1062644	8505547	-13018636	-	21524183
	06	118	2170	1392700	463177	1855877	-1335407	-	3191284
	07	80	13249	7550762	825230	8375992	-3703457	-	12079449
	08	55	721	615607	229312	844919	-1417607	-	2262526
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407
	11	201	842	1750467	1015278	2765745	-4705867	-	7471612
	12	227	13150	8939585	1005617	9945202	-4677988	-	14623190
	13	189	5658	3877609	1209270	5086879	-5560293	-	10647172
	14	204	1772	3043650	2236968	5280618	-2878493	-	8159111
	15	160	1118	1803440	677852	2481292	-1388927	-	3870219
	16	144	5160	3337907	822482	4160389	-13469356	-	17629745
	17	157	876	808039	897862	1705901	-1327952	-	3033853
	19	81	41	271970	84632	356602	-17910	-	374512
Total:		2349	74145	57148697	13478980	70627677	-64437818	3787642	138853137
AL61									
	01	105	8531	3085551	868276	3953827	-3185136	-	7138963
	02	86	4262	4791624	740335	5531959	-1583761	-	7115720
	03	88	216	586529	229275	815804	-1190144	-	2005948
	04	112	1189	1039151	261856	1301007	-354852	-	1655859
	05	154	9076	7442994	1062544	8505538	-13018636	-	21524174
	06	118	2170	1394677	461595	1856272	-1335384	-	3191656
	07	80	13248	7550137	823824	8373961	-3703095	-	12077056
	08	55	727	623733	226774	850507	-1431315	-	2281822
	09	113	4885	3435993	356061	3792054	-2357370	-	6149424
	10	58	1224	3365273	500018	3865291	-2264116	-	6129407
	11	201	849	1769885	1004667	2774552	-4726605	-	7501157
	12	227	13118	8884400	980692	9865092	-4675600	-	14540692
	13	189	5659	3887755	1200463	5088218	-5560329	-	10648547
	14	204	1766	3031038	2232244	5263282	-2859131	-	8122413
	15	160	1118	1803440	677852	2481292	-1388927	-	3870219
	16	144	5161	3344131	827555	4171686	-13473214	-	17644900
	17	157	862	775753	922123	1697876	-1315320	-	3013196
	19	81	41	271970	84632	356602	-17910	-	374512
Total:		2349	74102	57084034	13460786	70544820	-64440845	4518961	139504626

California Geographic Area - Forest Service

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL10									
01		71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
02		46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
03		74.99	13.40	0.44	0.03	0.00	0.00	0.03	88.89
04		88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
05		135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
06		107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
07		46.27	25.87	5.83	1.76	1.47	0.15	0.47	81.82
08		45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
11		168.57	30.64	2.88	0.84	0.00	0.17	0.00	203.10
12		166.44	47.00	7.53	4.63	1.25	1.51	0.74	229.10
13		161.20	20.77	3.80	1.80	1.25	0.49	0.29	189.60
14		110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
15		102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
16		117.07	25.88	0.49	0.16	0.16	0.68	0.05	144.49
17		128.54	26.86	1.16	0.60	0.00	0.20	0.05	157.41
19		77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
Total:		1742.82	504.62	59.68	21.35	9.71	5.94	3.80	2347.92
AL21									
01		71.97	26.99	4.85	1.57	0.71	0.43	0.73	107.25
02		46.60	25.66	10.29	3.59	0.55	0.49	0.21	87.39
03		74.99	13.40	0.44	0.00	0.03	0.00	0.03	88.89
04		88.83	18.59	2.17	0.73	0.11	0.56	0.02	111.01
05		118.68	27.98	3.03	0.88	0.58	0.41	1.95	153.51
06		101.83	13.07	1.48	0.25	0.41	0.46	0.00	117.50
07		43.34	20.14	13.28	2.79	1.62	0.15	0.47	81.79
08		45.56	6.81	1.20	0.26	0.15	0.19	0.03	54.20
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.29	31.86	20.66	1.43	1.31	0.06	0.00	58.61
11		154.76	42.74	4.45	0.95	0.00	0.20	0.00	203.10
12		165.79	44.29	10.37	4.63	1.25	1.85	0.91	229.09
13		134.16	34.28	15.08	2.25	1.53	1.92	0.39	189.61
14		99.41	96.64	7.90	2.37	1.06	0.41	0.21	208.00
15		102.57	53.78	3.15	0.95	0.58	0.04	0.04	161.11
16		73.44	65.26	4.10	0.19	0.26	1.08	0.15	144.48
17		120.51	33.53	2.25	0.63	0.24	0.20	0.05	157.41
19		77.23	2.37	2.10	0.00	0.00	0.00	0.00	81.70
Total:		1612.06	576.12	110.11	24.35	10.98	8.79	5.46	2347.87

## California Geographic Area - Forest Service

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL31									
	01	71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
	02	46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
	03	74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
	04	88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
	05	135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
	06	107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
	07	46.27	25.87	5.83	1.76	1.47	0.15	0.47	81.82
	08	45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
	09	89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
	10	3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
	11	167.80	31.39	2.92	0.83	0.00	0.17	0.00	203.11
	12	166.44	47.00	7.53	4.63	1.25	1.51	0.74	229.10
	13	161.20	20.77	3.80	1.80	1.25	0.49	0.29	189.60
	14	110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
	15	102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
	16	125.28	18.07	0.10	0.16	0.16	0.68	0.05	144.50
	17	128.51	26.90	1.18	0.58	0.00	0.20	0.05	157.42
	19	77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
	Total:	1750.23	497.66	59.32	21.31	9.71	5.94	3.80	2347.97
AL32									
	01	71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
	02	46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
	03	74.99	13.40	0.44	0.03	0.00	0.00	0.03	88.89
	04	88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
	05	135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
	06	107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
	07	46.27	25.87	5.83	1.76	1.47	0.15	0.47	81.82
	08	45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
	09	89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
	10	3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
	11	168.57	30.64	2.88	0.84	0.00	0.17	0.00	203.10
	12	165.79	48.39	6.92	4.51	1.25	1.51	0.74	229.11
	13	161.20	20.77	3.80	1.80	1.25	0.49	0.29	189.60
	14	110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
	15	102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
	16	117.07	25.88	0.49	0.16	0.16	0.68	0.05	144.49
	17	128.54	26.86	1.16	0.60	0.00	0.20	0.05	157.41
	19	77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
	Total:	1742.17	506.01	59.07	21.23	9.71	5.94	3.80	2347.93

California Geographic Area - Forest Service

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL33									
01		71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
02		46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
03		74.99	13.40	0.44	0.02	0.02	0.00	0.03	88.90
04		88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
05		135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
06		107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
07		46.27	25.87	5.83	1.76	1.47	0.15	0.47	81.82
08		45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
11		168.57	30.64	2.88	0.84	0.00	0.17	0.00	203.10
12		166.44	47.00	7.53	4.63	1.25	1.51	0.74	229.10
13		161.20	20.74	3.92	1.80	1.25	0.49	0.21	189.61
14		110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
15		102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
16		117.91	24.93	0.59	0.16	0.16	0.68	0.05	144.48
17		127.99	27.21	1.37	0.60	0.00	0.20	0.05	157.42
19		77.23	2.37	2.10	0.00	0.00	0.00	0.00	81.70
Total:		1743.11	503.92	60.18	21.34	9.73	5.94	3.72	2347.94
AL34									
01		71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
02		46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
03		74.99	13.40	0.44	0.03	0.00	0.00	0.03	88.89
04		88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
05		135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
06		107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
07		46.27	26.20	5.50	1.76	1.47	0.15	0.47	81.82
08		45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
11		168.57	30.64	2.88	0.84	0.00	0.17	0.00	203.10
12		166.44	47.00	7.53	4.63	1.25	1.51	0.74	229.10
13		161.20	20.66	3.80	1.80	1.27	0.49	0.39	189.61
14		110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
15		102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
16		117.07	26.28	0.10	0.16	0.16	0.68	0.05	144.50
17		128.54	26.86	1.16	0.60	0.00	0.20	0.05	157.41
19		77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
Total:		1742.82	505.24	58.96	21.35	9.73	5.94	3.90	2347.94

California Geographic Area - Forest Service

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL35									
	01	71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
	02	46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
	03	74.99	13.40	0.44	0.02	0.02	0.00	0.03	88.90
	04	88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
	05	135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
	06	107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
	07	46.27	25.87	5.83	1.76	1.47	0.15	0.47	81.82
	08	45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
	09	89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
	10	3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
	11	168.57	30.64	2.88	0.84	0.00	0.17	0.00	203.10
	12	165.79	48.39	6.92	4.51	1.25	1.51	0.74	229.11
	13	161.20	20.74	3.92	1.80	1.25	0.49	0.21	189.61
	14	110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
	15	102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
	16	117.91	24.93	0.59	0.16	0.16	0.68	0.05	144.48
	17	127.99	27.21	1.37	0.60	0.00	0.20	0.05	157.42
	19	77.23	2.37	2.10	0.00	0.00	0.00	0.00	81.70
	Total:	1742.46	505.31	59.57	21.22	9.73	5.94	3.72	2347.95
AL36									
	01	71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
	02	46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
	03	74.99	13.40	0.44	0.03	0.00	0.00	0.03	88.89
	04	88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
	05	135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
	06	107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
	07	46.27	26.20	5.50	1.76	1.47	0.15	0.47	81.82
	08	45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
	09	89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
	10	3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
	11	168.57	30.64	2.88	0.84	0.00	0.17	0.00	203.10
	12	165.79	48.39	6.92	4.51	1.25	1.51	0.74	229.11
	13	161.20	20.66	3.80	1.80	1.27	0.49	0.39	189.61
	14	110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
	15	102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
	16	117.07	26.28	0.10	0.16	0.16	0.68	0.05	144.50
	17	128.54	26.86	1.16	0.60	0.00	0.20	0.05	157.41
	19	77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
	Total:	1742.17	506.63	58.35	21.23	9.73	5.94	3.90	2347.95

California Geographic Area - Forest Service

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL37									
01		71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
02		46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
03		74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
04		88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
05		135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
06		107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
07		46.27	25.87	5.83	1.76	1.47	0.15	0.47	81.82
08		45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
11		167.80	31.39	2.92	0.83	0.00	0.17	0.00	203.11
12		165.79	48.39	6.92	4.51	1.25	1.51	0.74	229.11
13		161.20	20.77	3.80	1.80	1.25	0.49	0.29	189.60
14		110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
15		102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
16		125.28	18.07	0.10	0.16	0.16	0.68	0.05	144.50
17		128.51	26.90	1.18	0.58	0.00	0.20	0.05	157.42
19		77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
Total:		1749.58	499.05	58.71	21.19	9.71	5.94	3.80	2347.98
AL41									
01		71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
02		46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
03		74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
04		88.83	18.97	2.01	0.57	0.11	0.48	0.02	110.99
05		133.70	16.88	1.15	0.35	0.58	0.02	0.85	153.53
06		107.68	7.22	1.48	0.25	0.41	0.46	0.00	117.50
07		45.53	26.01	6.31	1.75	1.58	0.15	0.47	81.80
08		45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.93	44.21	7.67	1.43	1.30	0.06	0.00	58.60
11		167.80	30.71	3.58	0.84	0.00	0.17	0.00	203.10
12		165.79	48.39	6.92	4.51	1.25	1.51	0.74	229.11
13		161.20	20.66	3.80	1.80	1.27	0.49	0.39	189.61
14		105.85	95.90	3.09	1.65	1.04	0.38	0.09	208.00
15		102.57	54.45	2.49	0.98	0.55	0.04	0.04	161.12
16		117.45	25.78	0.20	0.16	0.16	0.68	0.05	144.48
17		128.51	26.90	1.18	0.58	0.00	0.20	0.05	157.42
19		77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
Total:		1734.29	510.50	61.78	21.15	10.25	6.00	3.97	2347.94



## California Geographic Area - Forest Service

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL42									
	01	71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
	02	46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
	03	74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
	04	88.83	18.97	2.01	0.57	0.11	0.48	0.02	110.99
	05	133.70	16.88	1.15	0.35	0.58	0.02	0.85	153.53
	06	107.68	7.22	1.48	0.25	0.41	0.46	0.00	117.50
	07	46.27	25.87	5.83	1.68	1.56	0.15	0.47	81.83
	08	45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
	09	89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
	10	3.93	44.21	7.67	1.43	1.30	0.06	0.00	58.60
	11	167.80	30.71	3.58	0.84	0.00	0.17	0.00	203.10
	12	165.79	48.39	6.92	4.51	1.25	1.51	0.74	229.11
	13	161.20	20.66	3.80	1.80	1.27	0.49	0.39	189.61
	14	105.85	95.90	3.09	1.65	1.04	0.38	0.09	208.00
	15	102.57	54.45	2.49	0.98	0.55	0.04	0.04	161.12
	16	117.45	25.78	0.20	0.16	0.16	0.68	0.05	144.48
	17	128.51	26.90	1.18	0.58	0.00	0.20	0.05	157.42
	19	77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
	Total:	1735.03	510.36	61.30	21.08	10.23	6.00	3.97	2347.97
AL43									
	01	71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
	02	46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
	03	74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
	04	88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
	05	133.70	16.88	1.15	0.35	0.58	0.02	0.85	153.53
	06	107.68	7.22	1.48	0.25	0.41	0.46	0.00	117.50
	07	45.53	26.20	6.12	1.78	1.56	0.15	0.47	81.81
	08	45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
	09	89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
	10	3.93	44.21	7.67	1.43	1.30	0.06	0.00	58.60
	11	167.80	30.71	3.58	0.84	0.00	0.17	0.00	203.10
	12	165.79	48.39	6.92	4.51	1.25	1.51	0.74	229.11
	13	161.20	20.77	3.80	1.80	1.25	0.49	0.29	189.60
	14	105.85	95.90	3.06	1.68	1.04	0.38	0.09	208.00
	15	102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
	16	125.28	17.96	0.20	0.16	0.16	0.68	0.05	144.49
	17	128.51	26.90	1.18	0.58	0.00	0.20	0.05	157.42
	19	77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
	Total:	1742.12	503.17	61.52	21.11	10.21	5.95	3.87	2347.95

California Geographic Area - Forest Service

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL44									
01		71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
02		46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
03		74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
04		88.83	18.97	2.01	0.57	0.11	0.48	0.02	110.99
05		135.41	15.24	1.15	0.35	0.58	0.02	0.78	153.53
06		107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
07		45.53	26.01	6.31	1.75	1.58	0.15	0.47	81.80
08		45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
11		167.80	31.39	2.92	0.83	0.00	0.17	0.00	203.11
12		165.79	48.39	6.92	4.51	1.25	1.51	0.74	229.11
13		161.20	20.66	3.80	1.80	1.27	0.49	0.39	189.61
14		110.75	91.10	2.95	1.70	1.02	0.38	0.09	207.99
15		102.57	54.45	2.49	0.98	0.55	0.04	0.04	161.12
16		117.45	25.78	0.20	0.16	0.16	0.68	0.05	144.48
17		128.51	26.90	1.18	0.58	0.00	0.20	0.05	157.42
19		77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
Total:		1740.90	506.54	59.44	21.19	9.97	6.00	3.90	2347.94
AL45									
01		71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
02		46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
03		74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
04		88.83	18.97	2.01	0.57	0.11	0.48	0.02	110.99
05		133.70	16.96	1.07	0.49	0.45	0.01	0.85	153.53
06		107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
07		45.53	26.01	6.31	1.75	1.58	0.15	0.47	81.80
08		45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.93	44.21	7.67	1.43	1.30	0.06	0.00	58.60
11		167.80	30.71	3.58	0.84	0.00	0.17	0.00	203.10
12		165.79	48.39	6.92	4.51	1.25	1.51	0.74	229.11
13		161.20	20.66	3.80	1.80	1.27	0.49	0.39	189.61
14		107.21	94.65	2.95	1.70	1.02	0.38	0.09	208.00
15		102.57	54.45	2.49	0.98	0.55	0.04	0.04	161.12
16		117.45	25.78	0.20	0.16	0.16	0.68	0.05	144.48
17		128.51	26.90	1.18	0.58	0.00	0.20	0.05	157.42
19		77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
Total:		1735.65	509.96	60.93	21.34	10.10	5.99	3.97	2347.94

## California Geographic Area - Forest Service

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL46									
	01	71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
	02	46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
	03	74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
	04	88.83	18.97	2.01	0.57	0.11	0.48	0.02	110.99
	05	133.70	16.88	1.15	0.35	0.58	0.02	0.85	153.53
	06	107.68	7.22	1.48	0.25	0.41	0.46	0.00	117.50
	07	45.53	26.01	6.31	1.75	1.58	0.15	0.47	81.80
	08	45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
	09	89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
	10	3.93	44.21	7.67	1.43	1.30	0.06	0.00	58.60
	11	167.80	30.71	3.58	0.84	0.00	0.17	0.00	203.10
	12	166.36	47.81	6.92	4.51	1.25	1.51	0.74	229.10
	13	161.20	20.66	3.80	1.80	1.27	0.49	0.39	189.61
	14	105.85	95.90	3.09	1.65	1.04	0.38	0.09	208.00
	15	102.57	54.45	2.49	0.98	0.55	0.04	0.04	161.12
	16	117.45	25.78	0.20	0.16	0.16	0.68	0.05	144.48
	17	128.51	26.90	1.18	0.58	0.00	0.20	0.05	157.42
	19	77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
	Total:	1734.86	509.92	61.78	21.15	10.25	6.00	3.97	2347.93
AL51									
	01	71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
	02	46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
	03	74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
	04	88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
	05	135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
	06	107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
	07	46.27	25.87	5.83	1.76	1.47	0.15	0.47	81.82
	08	45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
	09	89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
	10	3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
	11	167.80	31.39	2.92	0.83	0.00	0.17	0.00	203.11
	12	165.79	46.09	9.23	4.51	1.25	1.51	0.74	229.12
	13	161.20	20.74	3.92	1.80	1.25	0.49	0.21	189.61
	14	110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
	15	102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
	16	125.28	18.07	0.10	0.16	0.16	0.68	0.05	144.50
	17	128.51	26.90	1.18	0.58	0.00	0.20	0.05	157.42
	19	77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
	Total:	1749.58	496.72	61.14	21.19	9.71	5.94	3.72	2348.00

California Geographic Area - Forest Service

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL52									
01		71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
02		46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
03		74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
04		88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
05		135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
06		107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
07		46.27	25.87	5.83	1.76	1.47	0.15	0.47	81.82
08		45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
11		167.80	31.39	2.92	0.83	0.00	0.17	0.00	203.11
12		165.79	46.09	9.23	4.51	1.25	1.51	0.74	229.12
13		161.20	20.74	3.92	1.80	1.25	0.49	0.21	189.61
14		110.86	91.08	2.88	1.69	1.02	0.38	0.09	208.00
15		102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
16		125.28	18.07	0.10	0.16	0.16	0.68	0.05	144.50
17		128.51	26.03	2.05	0.58	0.00	0.20	0.05	157.42
19		77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
Total:		1749.58	495.85	61.97	21.23	9.71	5.94	3.72	2348.00
AL61									
01		71.97	27.21	4.63	1.57	0.71	0.43	0.73	107.25
02		46.60	25.77	10.18	3.59	0.55	0.49	0.21	87.39
03		74.99	13.46	0.41	0.02	0.00	0.00	0.03	88.91
04		88.83	18.97	2.01	0.63	0.11	0.43	0.02	111.00
05		135.41	15.32	1.07	0.49	0.45	0.01	0.78	153.53
06		107.68	7.85	0.85	0.25	0.41	0.46	0.00	117.50
07		46.27	25.87	5.83	1.76	1.47	0.15	0.47	81.82
08		45.56	6.81	1.34	0.22	0.15	0.10	0.03	54.21
09		89.10	18.73	3.31	0.88	0.59	0.34	0.27	113.22
10		3.93	45.38	6.76	1.43	1.04	0.06	0.00	58.60
11		168.57	30.64	2.88	0.84	0.00	0.17	0.00	203.10
12		166.44	47.00	7.53	4.63	1.25	1.51	0.74	229.10
13		161.20	20.74	3.92	1.80	1.25	0.49	0.21	189.61
14		110.86	91.08	2.92	1.65	1.02	0.38	0.09	208.00
15		102.57	54.64	2.45	0.82	0.55	0.04	0.04	161.11
16		125.28	17.96	0.20	0.16	0.16	0.68	0.05	144.49
17		127.99	27.42	1.18	0.58	0.00	0.20	0.05	157.42
19		77.23	2.44	2.03	0.00	0.00	0.00	0.00	81.70
Total:		1750.48	497.29	59.50	21.32	9.71	5.94	3.72	2347.96

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL10 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		175.60	186.90	20.02	8.06	5.32	2.74	1.75	400.39
	A5		266.25	105.28	38.34	17.33	7.76	5.33	2.78	443.07
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		441.85	292.18	58.36	25.39	13.08	8.07	4.53	843.46
	A9		0.00	2.70	1.93	1.89	1.21	1.14	0.28	9.15
	Total:		441.85	294.88	60.29	27.28	14.29	9.21	4.81	852.61
AL21 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL31 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		144.02	177.91	21.70	8.99	5.32	2.96	1.78	362.68
	A5		318.35	118.30	37.69	17.16	7.76	5.25	2.76	507.27
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		462.37	296.21	59.39	26.15	13.08	8.21	4.54	869.95
	A9		0.00	2.70	1.44	1.89	1.19	0.46	0.28	7.96
	Total:		462.37	298.91	60.83	28.04	14.27	8.67	4.82	877.91
AL32 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		175.60	186.90	20.02	8.06	5.32	2.74	1.75	400.39
	A5		265.31	108.41	38.22	17.21	7.76	5.33	2.78	445.02
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		440.91	295.31	58.24	25.27	13.08	8.07	4.53	845.41
	A9		0.00	2.70	1.93	1.89	1.21	1.14	0.28	9.15
	Total:		440.91	298.01	60.17	27.16	14.29	9.21	4.81	854.56
AL33 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		142.62	182.14	20.01	8.44	5.46	2.74	1.69	363.10
	A5		218.12	101.84	38.09	17.11	7.41	5.32	2.58	390.47
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		360.74	283.98	58.10	25.55	12.87	8.06	4.27	753.57
	A9		0.00	31.55	2.31	0.44	0.38	0.76	0.15	130.70
	Total:		455.85	315.53	60.41	25.99	13.25	8.82	4.42	884.27

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL34		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	175.60	188.23	19.30	8.13	5.34	2.74	1.85	401.19
		A5	266.25	103.60	36.23	17.13	7.59	5.27	2.88	438.95
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	441.85	291.83	55.53	25.26	12.93	8.01	4.73	840.14
		A9	0.00	8.89	6.20	2.51	1.92	0.56	0.49	20.57
		Total:	441.85	300.72	61.73	27.77	14.85	8.57	5.22	860.71
-----Summary-----										
AL35		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	142.62	182.14	20.01	8.44	5.46	2.74	1.69	363.10
		A5	217.18	104.97	37.97	16.99	7.41	5.32	2.58	392.42
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	359.80	287.11	57.98	25.43	12.87	8.06	4.27	755.52
		A9	0.00	31.55	2.31	0.44	0.38	0.76	0.15	130.70
		Total:	454.91	318.66	60.29	25.87	13.25	8.82	4.42	886.22
-----Summary-----										
AL36		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	175.60	188.23	19.30	8.13	5.34	2.74	1.85	401.19
		A5	265.31	106.73	36.11	17.01	7.59	5.27	2.88	440.90
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	440.91	294.96	55.41	25.14	12.93	8.01	4.73	842.09
		A9	0.00	8.89	6.20	2.51	1.92	0.56	0.49	20.57
		Total:	440.91	303.85	61.61	27.65	14.85	8.57	5.22	862.66
-----Summary-----										
AL37		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	144.02	177.91	21.70	8.99	5.32	2.96	1.78	362.68
		A5	317.41	121.43	37.57	17.04	7.76	5.25	2.76	509.22
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	461.43	299.34	59.27	26.03	13.08	8.21	4.54	871.90
		A9	0.00	2.70	1.44	1.89	1.19	0.46	0.28	7.96
		Total:	461.43	302.04	60.71	27.92	14.27	8.67	4.82	879.86
-----Summary-----										
AL41		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	435.17	282.73	50.16	20.38	9.93	5.77	3.85	807.99
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	435.17	282.73	50.16	20.38	9.93	5.77	3.85	807.99
		A9	0.00	2.69	1.44	1.93	1.21	0.59	0.38	8.24
		Total:	435.17	285.42	51.60	22.31	11.14	6.36	4.23	816.23

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL42										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		21.82	16.52	5.85	1.91	1.69	0.16	0.76	48.71
	A5		414.44	271.71	49.68	20.31	9.91	5.77	3.85	775.67
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		436.26	288.23	55.53	22.22	11.60	5.93	4.61	824.38
	A9		0.00	2.58	1.44	1.93	1.21	0.59	0.38	8.13
	Total:		436.26	290.81	56.97	24.15	12.81	6.52	4.99	832.51
-----Summary-----										
AL43										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		47.23	37.45	4.56	2.25	1.87	1.58	0.83	95.77
	A5		398.41	241.09	49.62	20.34	9.89	5.72	3.75	728.82
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		445.64	278.54	54.18	22.59	11.76	7.30	4.58	824.59
	A9		0.00	2.81	1.44	1.89	1.19	0.46	0.28	8.07
	Total:		445.64	281.35	55.62	24.48	12.95	7.76	4.86	832.66
-----Summary-----										
AL44										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		54.65	122.04	11.20	4.49	2.24	1.01	0.52	196.15
	A5		395.11	180.95	42.59	18.56	8.98	5.63	3.49	655.31
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		449.76	302.99	53.79	23.05	11.22	6.64	4.01	851.46
	A9		0.00	2.69	1.44	1.93	1.21	0.59	0.38	8.24
	Total:		449.76	305.68	55.23	24.98	12.43	7.23	4.39	859.70
-----Summary-----										
AL45										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		26.28	21.43	4.18	2.60	1.82	0.96	0.62	57.89
	A5		410.93	267.17	47.24	19.67	9.45	5.49	3.46	763.41
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		437.21	288.60	51.42	22.27	11.27	6.45	4.08	821.30
	A9		0.00	2.69	1.44	1.93	1.21	0.59	0.38	8.24
	Total:		437.21	291.29	52.86	24.20	12.48	7.04	4.46	829.54
-----Summary-----										
AL46										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		9.02	20.64	14.02	8.45	1.94	2.11	0.97	57.15
	A5		426.73	267.66	48.51	18.77	9.22	5.65	3.83	780.37
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		435.75	288.30	62.53	27.22	11.16	7.76	4.80	837.52
	A9		0.00	2.69	1.44	1.93	1.21	0.59	0.38	8.24
	Total:		435.75	290.99	63.97	29.15	12.37	8.35	5.18	845.76

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL51										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		144.02	179.28	22.45	10.96	6.55	4.28	2.21	369.75
	A5		317.41	119.08	40.00	17.04	7.76	5.25	2.68	509.22
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		461.43	298.36	62.45	28.00	14.31	9.53	4.89	878.97
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		461.43	298.36	62.45	28.00	14.31	9.53	4.89	878.97
-----Summary-----										
AL52										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		144.02	178.64	22.41	11.00	6.55	4.28	2.21	369.11
	A5		317.41	118.21	40.83	17.08	7.76	5.25	2.68	509.22
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		461.43	296.85	63.24	28.08	14.31	9.53	4.89	878.33
	A9		0.00	4.13	1.51	0.24	0.02	0.75	0.03	6.68
	Total:		461.43	300.98	64.75	28.32	14.33	10.28	4.92	885.01
-----Summary-----										
AL61										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		140.06	169.57	19.62	8.44	5.46	2.74	1.69	347.58
	A5		319.27	119.62	38.38	17.31	7.76	5.33	2.70	510.37
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		459.33	289.19	58.00	25.75	13.22	8.07	4.39	857.95
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		459.33	289.19	58.00	25.75	13.22	8.07	4.39	857.95



Geographic Area Airtanker Program Cost Data and Detailed Reports for  
Initial Attack Analysis

APPENDIX E.  
Eastern Geographic Area



STATE OF  
MINNESOTA  
DEPARTMENT OF NATURAL RESOURCES  
PHONE NO.

FILE NO.

Minnesota Interagency Fire Center  
402 Eleventh Street SE  
Grand Rapids, MN 55744

January 31, 1995

Ginger Brudevold  
Fire Planning Specialist  
USDA Forest Service  
1720 Peachtree Road NW  
Atlanta, GA 30309

Dear Ginger,

Thank-you for requesting our input into the National Airtanker Study. It's been approximately ten years since we've completed any formal analysis on aircraft so I'm not going to bother with the old data. I hope the following information will assist you in the study.

The Minnesota Department of Natural Resources, Division of Forestry has utilized airtankers in wildfire suppression since 1977. The USFS provided it's contracted B-26's and lots of administrative support in the early years. As you know, we include USFS and BIA protection areas in our response plan, and support and assistance from both agencies continues today.

As previously mentioned, we began our airtanker program with 1000 gallon B-26's but soon discovered their shortcomings. Bob Adams helped us do a quick efficiency analysis and we discovered that 1100 gallons was often insufficient to initiate effective tactics when approaching the edge of the 70 mile response radius. Then 2000 gallon airtankers were made available to us, we realized the increased efficiencies of the "more mud, fewer trips" school of thought.

For the past several years, we've had 2000-2450 gal. airtankers here and this size of tanker seems well suited to our operation. If the cost of contract aircraft remain about the same, the larger 3000 gallon airtankers would not be as cost effective given the average Minnesota scenario. Terrain and high density altitudes are rarely an issue here and if our initial attack procedures are adhered to, most fires are quickly double teamed by aerial (rotor and fixed wing) and ground support.

AN EQUAL OPPORTUNITY EMPLOYER

The following information may be helpful to you concerning airtanker use in Minnesota. 1988 was a high use year (as was 1977) and our fire seasons tend to be somewhat cyclic, roughly every 10 years. If we consider 1988 to be the top of the curve and 1993 to be the bottom, we may be looking at another heavy use period in the next several seasons.

## MN RETARDANT USAGE 1988-1994

YEAR	BIA				TOTAL
	HIBBING	BRAINERD	BEMIDJI	ELY	
1994	8800	2000	2450	0	13,250 GALLONS
	4	1	1	0	6 LOADS
1993	10,800	8000	12,250	0	31,050 GALLONS
	5	4	5	0	14 LOADS
1992	35,250	18,000	7350	0	60,600 GALLONS
	16	9	3	0	28 LOADS
1991	21,400	20,000	40,750	18,000	100,150 GALLONS
	10	10	17	6	43 LOADS
1990	28,600	24,200	72,600	0	125,400 GALLONS
	13	11	33	0	57 LOADS
1989	13,200	8800	24,200	0	46,200 GALLONS
	6	4	11	0	21 LOADS
1988	70,400	178,200	94,600	28,600	371,800 GALLONS
CONTRACT					
	32	81	43	13	169 LOADS
1988 CWN	40,000	116,000	24,600	12,800	193,400 GALLONS
	19	58	12	6	95 LOADS
SHORT TERM	28,000	4000	8800	0	40,800 GALLONS
	14	2	4	0	20 LOADS
1988	138,400	298,200	128,000	41,400	606,000 GALLONS
TOTALS					
	65	141	59	19	284 LOADS

Please feel free to contact me if you have questions concerning Minnesota's wildfire aviation program.

Respectfully,

/s/Al Buchert

Al Buchert

Wildfire Aviation/

Law Enforcement Officer Supervisor

This is what BIA would like to add:

Since 1977, there has been three contracted airtankers on an annual basis in the 2,000-2450 gallon category. The Minnesota DNR contracts for two airtankers and they operate out of the Hibbing and Brainerd tanker bases. The Bureau of Indian Affairs contracts for the third airtanker and it operates out of the Bemidji tanker base. The U.S. Forest Service has three Beavers in the 650 gallon category and they operate out of the Ely tanker base. Any of the contracted airtankers can be repositioned at other tanker bases, based on fire activity. The Minnesota Interagency Fire Center coordinates airtanker activity within and outside the State of Minnesota.

Will build an airtanker landing pad at Bemidji - County Airport in conjunction with State of MNS.

BIA contrib.	Lease land +	225,000
State of MNS	-----	138,000

Includes spillways and will comply with NEPA.



UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
Office of Fire and Aviation  
3833 S. Development Avenue  
Boise, Idaho 83705-5354

FEB 9 - 1995

In Reply Refer To:  
9400 (RP-120)

Memorandum

To: Chair, National Air Tanker Study  
From: Director, Office of Fire and Aviation  
Subject: Bureau's Recommendations to the National Air Tanker Study (NATS)

The following are the Bureau of Land Management's (BLM) recommendations to the NATS on location and type (turbine vs. recip) of Office of Aircraft Services (OAS) contracted air tankers for the 1996 contract. We have compiled all of the recommendations for each state in this letter. This information should agree with the geographic area representative's information.

Our recommendations are:

Montana - Retain the air tanker at Billings. Provide the funding to upgrade the base to standards.

Idaho - Retain the air tanker at Pocatello. Upgrade to a turbine aircraft.

Nevada - By rank, our first priority is to add an air tanker at Battle Mountain for a total of three air tankers in the State. If air tanker availability and funding do not allow this additional air tanker there, then we recommend that a shared contract be pursued (perhaps with Alaska). For phase two of the study, we will want to seriously look at moving the air tanker base at Stead to another base, perhaps Battle Mountain.

Colorado - No changes in air tankers.

California - Move the air tanker from Porterville to Mather.

Alaska - No change in air tankers in Alaska. We do recommend that a shared contract be pursued between the States of Alaska (Fairbanks) and Nevada (Battle Mountain). The contracted air tanker would move down from Alaska around the end of July.

Minnesota - No change in air tankers. The Bureau of Indian Affairs will add one additional pit to the Bemidji Tanker Base.

We have made no recommendations concerning the 1000-2000 gallon air tankers or night capabilities. We feel these needs can be better addressed in phase two. We also recommend that phase two address the single engine air tanker issue. These recommendations are based on some analytical data and subjective analysis. We do not see any major changes for the 1996-98 contract period.

If you have any questions concerning this information, please contact Gary Johnson (BLM) at 907-356-5523 or John Piekarski (OAS) at 208-387-5776, our representatives for the study.

Geographic Area Airtanker Program Cost Data and Detailed Reports for  
Initial Attack Analysis

APPENDIX F.  
Great Basin Geographic Area





United States  
Department of  
Agriculture

Forest  
Service

Intermountain  
Region

324 25th Street  
Ogden, UT 84401-2310

---

File Code: 5710  
Route To:

Date: January 30, 1995

Subject: National Airtanker Study (Your ltr. 11/22)

To: Chief

Region 4 has completed the Regional analysis concerning the National Airtanker Study as requested in your letter.

Results from the study were sent to the Study Team for consolidation into a national package. Recommended airtanker base configurations for Region 4 along with estimated savings and burned area differences compared against FY 1995 are as follows:

1. Continue with a turbine airtanker at McCall; this translates to a \$815,000+ savings and 2,216 less acres burned over a reciprocating airtanker contract.
2. Placement of a turbine airtanker in addition to the reciprocating airtanker at Boise would save \$57,000+ in suppression costs and result in 1,270 less acres burned.
3. Placement of a contract turbine at West Yellowstone (Region 1 contact) translates to a savings of \$300,700+ in suppression costs and 1,186 less acres burned.
4. Replace the reciprocating airtanker with a turbine airtanker at Pocatello (BLM contact). This would result in a savings of \$688,000+ in suppression costs and 2,260 less acres burned.
5. Placement of a turbine airtanker in either central Utah (Hill Air Force Base) or southern Utah (Cedar City).

A turbine at Hill AFB shows a \$212,000+ savings and 1,693 less burned acres.

A BLM contracted turbine at Cedar City shows a \$104,000+ savings and 470 less burned acres.

6. Leave the current airtanker configuration at Stead.

Chief

2

The Region held a workshop with Bureau of Land Management fire planners in an interagency attempt to consolidate Intermountain data. Unfortunately, time frames did not permit a consolidated analysis process, therefore each agency will submit a separate analysis for the same geographical area.

Contact Wini Sorensen, (801) 625-5403, for all information concerning Region 4's airtanker study.

/s/ Richard Adams

RICHARD ADAMS  
Director  
Aviation and Fire Management

cc:  
WO/F&AM  
A&FM (T.Patten)  
(W.Sorensen)

AFM:WSORENSEN:las:01/27/95  
Reviewed L.Spease OMA 01/27/95  
I concur T.Patten 01/30/95



UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
Office of Fire and Aviation  
3833 S. Development Avenue  
Boise, Idaho 83705-5354

FEB 9 - 1995

In Reply Refer To:  
9400 (RP-120)

Memorandum

To: Chair, National Air Tanker Study  
From: Director, Office of Fire and Aviation  
Subject: Bureau's Recommendations to the National Air Tanker Study (NATS)

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If you have any questions concerning this information, please contact Gary Johnson (BLM) at 907-356-5523 or John Piekarski (OAS) at 208-387-5776, our representatives for the study.

SC	ALT	FREQ	ACRES	ESC FFF	UMC	Totals		NVC	AT PG CT	TOTAL	\$\$ DIFF	AC DIFF	ATTY	DESCRIPTION	TOTAL D-F FIRES	TOTAL G FIRES	A1-A7 AT DISP	A1-A9 AT DISP
						TOT FFF	UVC											
1	10	2220	285756	26879177	8452309	35331486	-27619150	1307744	64258380	-----	0	1995 CONTRACT	137.79	14.33	227.7	594.9		
2	21	2220	302477	35586836	6832991	42419827	-30311922	0	72731749	-8473369	-16721	NO AIRTANKERS	147.44	14.93	0.0	0.0		
4	40	2220	288171	27504221	8365374	35865959	-27973107	1278802	65121504	-863124	-2415	ALL RECIPS	138.85	14.44	209.5	500.1		
6	41	2220	283877	26441056	8744947	35186003	-27489182	1561484	64236669	21711	1879	ADD T3000 @ HILL	136.01	14.28	284.2	625.3		
6	42	2220	285829	26849528	8450704	35300232	-27608984	1516574	64425790	-167410	-73	ADD R2200 @ HILL	137.71	14.34	279.8	620.9		
6	43	2220	284493	26661241	8625185	35286426	-27579472	1572084	64437982	-179602	1263	ADD T3000 @ CDC	134.84	14.33	259.9	645.2		
6	44	2220	285675	26832187	8401064	35233251	-27603423	1527174	64363848	-105468	81	ADD R2200 @ CDC	137.05	14.34	243.2	636.1		
6	45	2220	284536	26603416	8562498	35165914	-27486368	1506904	64159186	99194	1220	ADD T3000 @ WYS	137.42	14.28	249.1	605.5		
6	46	2220	285728	26935615	8502784	35338399	-27613449	1476964	64428812	-170432	28	ADD R2200 @ WYS	137.78	14.33	242.9	603.1		
4	47	2220	284537	26590772	8715780	35306552	-27504143	1341177	64151872	106508	1219	T3000 @ BOISE	137.41	14.26	227.8	592.3		
3	48	2220	285916	26936961	8468669	35405630	-27622242	1347086	64374958	-116578	-160	STEAD->BAM	137.83	14.34	221.1	587.6		
6	49	2220	285878	26762040	8555264	35317304	-27621342	1486574	64425220	-166840	-122	ADD R2000 @ BAM	137.76	14.34	221.1	602.0		
4	50	2220	283454	26007925	8842484	34850409	-27583626	1377229	63611264	447116	2302	T3000 @ POCATELLO	136.92	14.26	223.5	611.0		
3,6	60	2220	288531	27814116	8773515	36587631	-28211302	1527260	66326193	-2067813	-2775	CUT MYL, 2-T3000 @ BOI	139.22	14.49	181.7	542.5		
6	61	2220	284441	26544158	8706005	35250163	-27475456	1498911	64224530	33850	1315	ADD T3000 @ BOI	137.41	14.26	228.8	592.8		

Great Basin Geographic Area -Appendix F

Forest Service											TOTAL			TOTAL			TOTAL													
SC	ALT	FREQ	ACRES	ESC	UMC	TOT	NVC	AT	AC	ATTX	DIFF	D-F	AT	AT	DISP	AT	DISP	AT	DISP											
1	10	987	51116	22004349	4754569	26759018	-7494700	430712	34684430	-----	-----	27.16	2.62	227.7	395.1	227.7	395.1	227.7	395.1											
2	21	987	66318	29081870	4297781	33379651	-9946881	0	43326532	-8642102	-15202	35.13	3.21	0.0	0.0	0.0	0.0	0.0	0.0											
4	40	987	53377	22682962	4596911	27279873	-7789444	401770	35471087	-7866657	-2261	28.07	2.73	209.5	378.7	209.5	378.7	209.5	378.7											
6	41	987	49423	21637759	4854580	26492439	-7369907	684452	34546798	137632	1693	25.95	2.57	284.2	415.9	284.2	415.9	284.2	415.9											
6	42	987	51073	21881272	4738377	26719649	-7481544	639542	34840735	-1563005	43	27.00	2.62	279.8	417.1	279.8	417.1	279.8	417.1											
6	43	987	50646	21892225	4762871	26645096	-7479121	729168	34853385	-1568955	470	26.41	2.62	259.9	403.6	259.9	403.6	259.9	403.6											
6	44	987	51014	21969438	4698777	26668215	-7479722	684229	34832166	-1477736	102	26.89	2.62	243.2	398.5	243.2	398.5	243.2	398.5											
6	45	987	49930	21760924	4820732	26581656	-7371337	629843	34582836	101594	1186	27.01	2.57	249.1	404.8	249.1	404.8	249.1	404.8											
6	46	987	51096	21985709	4762534	26758243	-7490453	599932	34848628	-164198	20	27.15	2.62	242.9	401.2	242.9	401.2	242.9	401.2											
4	47	987	49942	21811096	4886506	26697602	-7399069	464145	34560816	123614	1174	26.92	2.55	227.8	390.4	227.8	390.4	227.8	390.4											
3	48	987	51112	22085801	4765393	26821194	-7494217	430683	34746094	-81664	4	27.07	2.62	221.1	395.7	221.1	395.7	221.1	395.7											
6	49	987	51092	21997496	4764646	26762142	-7494255	662572	34918969	-234539	24	27.00	2.62	221.1	397.4	221.1	397.4	221.1	397.4											
4	50	987	48856	21251220	4928079	26179299	-7385726	490563	34058588	628842	2260	26.54	2.55	223.5	407.2	223.5	407.2	223.5	407.2											
3,6	60	987	53762	23006049	4953670	27959719	-7970626	451519	36381864	-1697434	-2646	28.01	2.78	181.7	344.6	181.7	344.6	181.7	344.6											
6	61	987	49846	21760050	4881917	26841967	-7370382	612274	34624623	59807	1270	26.92	2.55	228.8	391.3	228.8	391.3	228.8	391.3											
4,6	70	987	47925	20892911	4958623	25851534	-7240343	943492	34035369	649061	3191	25.28	2.54	291.9	427.5	291.9	427.5	291.9	427.5											
6	71	987	49362	21512523	4809746	26424999	-7389139	838673	34652811	31619	1754	25.88	2.57	304.3	424.7	304.3	424.7	304.3	424.7											
4,6	72	987	48517	21127573	4957955	26085528	-7291454	689723	34066705	617725	2599	26.43	2.54	236.7	409.4	236.7	409.4	236.7	409.4											
4,6	73	987	48174	20989369	4959349	25948718	-7306945	744303	33999966	684464	2942	25.36	2.55	279.2	425.9	279.2	425.9	279.2	425.9											
Bureau of Land Management - 4*											TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
SC	ALT	FREQ	ACRES	ESC	UMC	TOT	NVC	AT	AC	ATTX	DIFF	D-F	AT	AT	DISP	AT	DISP	AT	DISP											
1	10	1233	234840	4874828	3697640	8572468	-20124450	720165	29417083	-----	-----	110.63	11.71	0.0	199.8	0.0	199.8	0.0	199.8											
2	21	1233	236159	6504966	2535210	9040176	-20365041	0	29408217	11866	-1519	112.31	11.72	0.0	0.0	0.0	0.0	0.0	0.0											
4	40	1233	234794	4821259	3768463	8589722	-20183663	690937	29464322	-47239	-154	110.78	11.71	0.0	201.4	0.0	201.4	0.0	201.4											
6	41	1233	234454	4803297	3890267	8693564	-20119275	1022300	29835139	-418056	186	110.06	11.71	0.0	208.4	0.0	208.4	0.0	208.4											
6	42	1233	234766	4868286	3712327	8580583	-20127440	977390	29885413	-288330	-116	110.71	11.72	0.0	203.9	0.0	203.9	0.0	203.9											
6	43	1233	233847	4779016	3823114	8641330	-20100351	943905	29885866	-288503	793	108.43	11.71	0.0	241.6	0.0	241.6	0.0	241.6											
6	44	1233	234661	4862749	3702287	8565036	-20123701	898995	29887732	-170649	-21	110.16	11.72	0.0	237.6	0.0	237.6	0.0	237.6											
6	45	1233	234606	4842492	3741766	8584258	-20115031	919325	29818614	-201531	34	110.41	11.71	0.0	200.7	0.0	200.7	0.0	200.7											
6	46	1233	234632	4839906	3740250	8580155	-20122996	899385	29592537	-175454	8	110.63	11.71	0.0	201.9	0.0	201.9	0.0	201.9											
4	47	1233	234595	4779676	3829274	8608950	-20105074	753558	29467622	-50539	45	110.49	11.71	0.0	201.9	0.0	201.9	0.0	201.9											
3	48	1233	234804	4881160	3703276	8584436	-20128025	773814	29486275	-69192	-164	110.76	11.72	0.0	191.9	0.0	191.9	0.0	191.9											
6	49	1233	234786	4784544	3790618	8555162	-20127087	898995	29581244	-164161	-146	110.76	11.72	0.0	204.7	0.0	204.7	0.0	204.7											
4	50	1233	234598	4756705	3914405	8671110	-20197900	756093	29625103	-208020	42	110.38	11.71	0.0	203.9	0.0	203.9	0.0	203.9											
3,6	60	1233	234769	4808067	3819845	8627912	-20240676	750165	29518753	-201670	-129	111.21	11.71	0.0	197.9	0.0	197.9	0.0	197.9											
6	61	1233	234595	4784108	3824088	8608196	-20105074	90127	29514997	-197914	45	110.49	11.71	0.0	201.4	0.0	201.4	0.0	201.4											

Great Basin Geographic Area -Appendix F

**ALTERNATIVES**

Alt. No.	Alt. Name	MYL	BOI	P1H	MEV	4SD	HIL	CDC	BAM	WYS	S80	MSO	LGD	JTC
11	Current-95	T30	R22	R22	R30	R22	RLD	RLD	RLD	RLD	R22	R22	T30	R22
21	No Airtankers	---	---	---	---	---	---	---	---	---	---	---	---	---
40	All Recip.	R22	R22	R22	R30	R22	RLD	RLD	RLD	RLD	R22	R22	T30	R22
41	T30 @ Hill	T30	R22	R22	R30	R22	T30	RLD	RLD	RLD	R22	R22	T30	R22
42	R22 @ Hill	T30	R22	R22	R30	R22	R22	RLD	RLD	RLD	R22	R22	T30	R22
43	T30 @ CDC	T30	R22	R22	R30	R22	RLD	T30	RLD	RLD	R22	R22	T30	R22
44	R22 @ CDC	T30	R22	R22	R30	R22	RLD	R22	RLD	RLD	R22	R22	T30	R22
45	T30 @ WYS	T30	R22	R22	R30	R22	RLD	RLD	RLD	T30	R22	R22	T30	R22
46	R22 @ WYS	T30	R22	R22	R30	R22	RLD	RLD	RLD	R22	R22	R22	T30	R22
47	T30 @ BOI	T30	T30	R22	R30	R22	RLD	RLD	RLD	RLD	R22	R22	T30	R22
48	4SD to BAM	T30	R22	R22	R30	RLD	RLD	RLD	R22	RLD	R22	R22	T30	R22
49	R22 @ BAM	T30	R22	R22	R30	R22	RLD	RLD	R22	RLD	R22	R22	T30	R22
50	T30 @ P1H	T30	R22	T30	R30	R22	RLD	RLD	RLD	RLD	R22	R22	T30	R22
60	2-T30 @ BOI & no MYL	RLD	T30 T30	R22	R30	R22	RLD	RLD	RLD	RLD	R22	R22	T30	R22
61	Add T-30 @ BOI	T30	T30 R22	R22	R30	R22	RLD	RLD	RLD	RLD	R22	R22	T30	R22
70	T30 @ WYS, HILL & P1H	T30	R22	T30	R30	R22	T30	RLD	RLD	T30	R22	R22	T30	R22
71	T30 @ HILL and WYS	T30	R22	R22	R30	R22	T30	RLD	RLD	T30	R22	R22	T30	R22
72	T30 @ P1H and WYS	T30	R22	T30	R30	R22	RLD	RLD	RLD	T30	R22	R22	T30	R22
73	T30 @ P1H and HILL	T30	R22	T30	R30	R22	T30	RLD	RLD	RLD	R22	R22	T30	R22

BOI - Boise  
P1H - Pocatello  
S80 - Grangeville  
LGD - LaGrande  
BAM - Battle Mt.

MYL - McCall  
4SD - Stead  
MSO - Missoula  
JTC - Grand Junction

MEV - Minden  
HIL - Hill AFB  
WYS - West Yellowstone  
CDC - Ceder City

RLD = Reload Costed

## AIRTANKER PROGRAM COSTS

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
10 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$430,712
Bureau of Land Management Total =								\$877,032
Total Alternative Airtanker Program Cost =								\$1,307,744

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
21 McCall	\$0	\$0	0		\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0		\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0		\$0	\$0	1.00	\$0
Minden	\$0	\$0	0		\$0	\$0	1.00	\$0
Stead	\$0	\$0	0		\$0	\$0	1.00	\$0
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Cedar City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0
Forest Service Total =								\$0
Bureau of Land Management Total =								\$0
Total Alternative Airtanker Program Cost =								\$0

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
40 McCall	\$0	\$50,000	58	R2200	\$115,246	\$165,246	1.00	\$165,246
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$401,770
Bureau of Land Management Total =								\$877,032
Total Alternative Airtanker Program Cost =								\$1,278,802

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
41 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$60,000	90	T3000	\$223,740	\$302,135	1.00	\$302,135
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$684,452
Bureau of Land Management Total =								\$877,032
Total Alternative Airtanker Program Cost =								\$1,561,484

## AIRTANKER PROGRAM COSTS

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
42 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$60,000	90	R2200	\$178,830	\$257,225	1.00	\$257,225
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000

Forest Service Total = \$639,542  
 Bureau of Land Management Total = \$877,032  
 Total Alternative Airtanker Program Cost = \$1,516,574

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
43 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Cedar City	\$14,716	\$60,000	90	T3000	\$223,740	\$298,456	1.00	\$298,456
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000

Forest Service Total = \$430,712  
 Bureau of Land Management Total = \$1,141,372  
 Total Alternative Airtanker Program Cost = \$1,572,084

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
44 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Cedar City	\$14,716	\$60,000	90	R2200	\$178,830	\$253,546	1.00	\$253,546
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000

Forest Service Total = \$430,712  
 Bureau of Land Management Total = \$1,096,462  
 Total Alternative Airtanker Program Cost = \$1,527,174

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
45 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$50,000	60	T3000	\$149,160	\$199,160	1.00	\$199,160
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000

Forest Service Total = \$629,872  
 Bureau of Land Management Total = \$877,032  
 Total Alternative Airtanker Program Cost = \$1,506,904



## AIRTANKER PROGRAM COSTS

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
46 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$50,000	60	R2200	\$119,220	\$169,220	1.00	\$169,220
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$599,932
Bureau of Land Management Total =								\$877,032
Total Alternative Airtanker Program Cost =								\$1,476,964

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
47 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	T3000	\$166,562	\$221,562	1.00	\$221,562
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$464,145
Bureau of Land Management Total =								\$877,032
Total Alternative Airtanker Program Cost =								\$1,341,177

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
48 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	0		\$0	\$77,507	0.78	\$60,455
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	90	R2200	\$178,830	\$231,889	1.00	\$231,889
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$430,712
Bureau of Land Management Total =								\$916,374
Total Alternative Airtanker Program Cost =								\$1,347,086

Great Basin Total	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
49 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	90	R2200	\$178,830	\$231,889	1.00	\$231,889
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$430,712
Bureau of Land Management Total =								\$1,055,862
Total Alternative Airtanker Program Cost =								\$1,486,574

## AIRTANKER PROGRAM COSTS

Great Basin Total	Annualized	Annual	Days		Annual		Economic	
Alt. Airtanker Base	One-Time	O & M	In	Airtanker	Airtanker	ATB	Use	
	Costs	Costs	Season	Category	Availability	Total	Factor	
50 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	T3000	\$298,320	\$325,220	1.00	\$325,220
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$28,000	\$30,000	0		\$0	\$58,000	1.00	\$58,000
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000

Forest Service Total = \$440,317  
 Bureau of Land Management Total = \$936,912  
 Total Alternative Airtanker Program Cost = \$1,377,229

Great Basin Total	Annualized	Annual	Days		Annual		Economic	
Alt. Airtanker Base	One-Time	O & M	In	Airtanker	Airtanker	ATB	Use	
	Costs	Costs	Season	Category	Availability	Total	Factor	
60 McCall	\$0	\$30,000	58	T3000	\$144,188	\$174,188	1.00	\$174,188
Boise #1	\$0	\$55,000	70	T3000	\$174,020	\$229,020	1.00	\$229,020
Boise #2	\$0	\$15,000	70	T3000	\$174,020	\$189,020	1.00	\$189,020
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$28,000	\$30,000	0		\$0	\$58,000	1.00	\$58,000
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000

Forest Service Total = \$650,228  
 Bureau of Land Management Total = \$877,032  
 Total Alternative Airtanker Program Cost = \$1,527,260

Great Basin Total	Annualized	Annual	Days		Annual		Economic	
Alt. Airtanker Base	One-Time	O & M	In	Airtanker	Airtanker	ATB	Use	
	Costs	Costs	Season	Category	Availability	Total	Factor	
61 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$15,000	67	T3000	\$166,562	\$181,562	1.00	\$181,562
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	1.00	\$265,340
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.83	\$313,574
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.78	\$199,943
Hill AFB	\$28,000	\$30,000	0		\$0	\$58,000	1.00	\$58,000
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000

Forest Service Total = \$621,879  
 Bureau of Land Management Total = \$877,032  
 Total Alternative Airtanker Program Cost = \$1,498,911

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
10 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$430,712  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$430,712

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
21 McCall	\$0	\$0	0		\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0		\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0		\$0	\$0	1.00	\$0
Minden	\$0	\$0	0		\$0	\$0	1.00	\$0
Stead	\$0	\$0	0		\$0	\$0	1.00	\$0
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$0  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$0

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
40 McCall	\$0	\$50,000	58	R2200	\$115,246	\$165,246	1.00	\$165,246
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$401,770  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$401,770

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
41 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$60,000	90	T3000	\$223,740	\$302,135	1.00	\$302,135
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$684,452  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$684,452

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
42 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$60,000	90	R2200	\$178,830	\$257,225	1.00	\$257,225
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$639,542  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$639,542

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
43 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$14,716	\$60,000	90	T3000	\$223,740	\$298,456	1.00	\$298,456
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$729,168  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$729,168

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
44 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$54,971	67	R2200	\$133,129	\$188,100	1.00	\$188,100
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$14,716	\$60,000	90	R2200	\$178,830	\$253,546	1.00	\$253,546
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$684,229  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$684,229

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
45 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$54,971	67	R2200	\$133,129	\$188,100	1.00	\$188,100
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$50,000	60	T3000	\$149,160	\$199,160	1.00	\$199,160
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$629,843  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$629,843

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
46 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$50,000	60	R2200	\$119,220	\$169,220	1.00	\$169,220
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$599,932  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$599,932

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
47 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	T3000	\$166,562	\$221,562	1.00	\$221,562
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$464,145  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$464,145

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
48 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$54,971	67	R2200	\$133,129	\$188,100	1.00	\$188,100
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0		\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$430,683  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$430,683

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
49 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$54,971	67	R2200	\$133,129	\$188,100	1.00	\$188,100
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$7,359	\$45,700	90	R2200	\$178,830	\$231,889	1.00	\$231,889
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$430,683  
 Bureau of Land Management Total = \$231,889  
 Total Alternative Airtanker Program Cost = \$662,572

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
50 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$54,971	67	R2200	\$133,129	\$188,100	1.00	\$188,100
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	T3000	\$59,880	\$59,880	1.00	\$59,880
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Cedar City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$490,563  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$490,563

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
60 McCall	\$0	\$0	0		\$0	\$0	1.00	\$0
Boise #1	\$0	\$55,000	67	T3000	\$166,562	\$221,562	1.00	\$221,562
Boise #2	\$0	\$15,000	67	T3000	\$166,562	\$181,562	1.00	\$181,562
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Cedar City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$451,519  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$451,519

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
61 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$15,000	67	T3000	\$166,562	\$181,562	1.00	\$181,562
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Cedar City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$612,274  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$612,274

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
70 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$55,000	67	R2200	\$133,129	\$188,129	1.00	\$188,129
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	T3000	\$59,880	\$59,880	1.00	\$59,880
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$60,000	90	T3000	\$223,740	\$302,135	1.00	\$302,135
Cedar City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$50,000	60	T3000	\$149,160	\$199,160	1.00	\$199,160
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$943,492  
 Bureau of Land Management Total = \$0  
 Total Alternative Airtanker Program Cost = \$943,492

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
71 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$54,971	67	R2200	\$133,129	\$188,100	1.00	\$188,100
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$60,000	90	R2200	\$178,830	\$257,225	1.00	\$257,225
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$50,000	60	T3000	\$149,160	\$199,160	1.00	\$199,160
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0
Forest Service Total =								\$838,673
Bureau of Land Management Total =								\$0
Total Alternative Airtanker Program Cost =								\$838,673

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
72 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$54,971	67	R2200	\$133,129	\$188,100	1.00	\$188,100
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	T3000	\$59,880	\$59,880	1.00	\$59,880
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$30,000	0		\$0	\$48,395	1.00	\$48,395
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$50,000	60	T3000	\$149,160	\$199,160	1.00	\$199,160
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0
Forest Service Total =								\$689,723
Bureau of Land Management Total =								\$0
Total Alternative Airtanker Program Cost =								\$689,723

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
73 McCall	\$0	\$50,000	58	T3000	\$144,188	\$194,188	1.00	\$194,188
Boise #1	\$0	\$54,971	67	R2200	\$133,129	\$188,100	1.00	\$188,100
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0	T3000	\$59,880	\$59,880	1.00	\$59,880
Minden	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Stead	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Hill AFB	\$18,395	\$60,000	90	T3000	\$223,740	\$302,135	1.00	\$302,135
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0
Forest Service Total =								\$744,303
Bureau of Land Management Total =								\$0
Total Alternative Airtanker Program Cost =								\$744,303

## AIRTANKER PROGRAM COSTS

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Airtanker Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
10. Alt. Airtanker Base								
McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$720,165
Total Alternative Airtanker Program Cost =								\$720,165

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Airtanker Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
21 Alt. Airtanker Base								
McCall	\$0	\$0	0		\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0		\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$0	0		\$0	\$0	1.00	\$0
Minden	\$0	\$0	0		\$0	\$0	1.00	\$0
Stead	\$0	\$0	0		\$0	\$0	1.00	\$0
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Ceder City	\$0	\$0	0		\$0	\$0	1.00	\$0
Battle Mountain	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$0	0		\$0	\$0	1.00	\$0
Forest Service Total =								\$0
Bureau of Land Management Total =								\$0
Total Alternative Airtanker Program Cost =								\$0

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Airtanker Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
40 Alt. Airtanker Base								
McCall	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R2200	\$178,830	\$338,830	0.75	\$254,123
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$690,937
Total Alternative Airtanker Program Cost =								\$690,937

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Airtanker Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
41 Alt. Airtanker Base								
McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$18,395	\$60,000	90	T3000	\$223,740	\$302,135	1.00	\$302,135
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$1,022,300
Total Alternative Airtanker Program Cost =								\$1,022,300



AIRTANKER PROGRAM COSTS

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Airtanker Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
42 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$18,395	\$60,000	90	R2200	\$178,830	\$257,225	1.00	\$257,225
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$977,390
Total Alternative Airtanker Program Cost =								\$977,390

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Airtanker Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
43 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Cedar City	\$14,716	\$19,400	90	T3000	\$223,740	\$257,856	1.00	\$257,856
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$943,905
Total Alternative Airtanker Program Cost =								\$943,905

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Airtanker Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
44 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Cedar City	\$14,716	\$19,400	90	R2200	\$178,830	\$212,946	1.00	\$212,946
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$898,995
Total Alternative Airtanker Program Cost =								\$898,995

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Airtanker Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
45 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$50,000	60	T3000	\$149,160	\$199,160	1.00	\$199,160
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$919,325
Total Alternative Airtanker Program Cost =								\$919,325

## AIRTANKER PROGRAM COSTS

Bureau of Land Mgnt	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
46 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$50,000	60	R2200	\$119,220	\$169,220	1.00	\$169,220
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$889,385
Total Alternative Airtanker Program Cost =								\$889,385

Bureau of Land Mgnt	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
47 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	T3000	\$33,433	\$33,433	1.00	\$33,433
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$753,598
Total Alternative Airtanker Program Cost =								\$753,598

Bureau of Land Mgnt	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
48 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	0		\$0	\$77,507	0.70	\$54,255
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	90	R2200	\$178,830	\$231,889	1.00	\$231,889
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$773,814
Total Alternative Airtanker Program Cost =								\$773,814

Bureau of Land Mgnt	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
49 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Ceder City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	90	R2200	\$178,830	\$231,889	1.00	\$231,889
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$898,995
Total Alternative Airtanker Program Cost =								\$898,995

## AIRTANKER PROGRAM COSTS

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
50 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0		\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	T3000	\$298,320	\$325,220	0.60	\$195,132
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$756,093
Total Alternative Airtanker Program Cost =								\$756,093

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
60 McCall	\$0	\$30,000	0		\$0	\$30,000	1.00	\$30,000
Boise #1	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #2	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$750,165
Total Alternative Airtanker Program Cost =								\$750,165

Bureau of Land Mgmt	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total	Use Factor	Economic ATB Total
Alt. Airtanker Base								
61 McCall	\$0	\$0	0	T3000	\$0	\$0	1.00	\$0
Boise #1	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Boise #2	\$0	\$15,000	67	T3000	\$166,562	\$181,562	1.00	\$181,562
Pocatello	\$0	\$26,900	120	R2200	\$238,440	\$265,340	0.60	\$159,204
Minden	\$0	\$160,000	90	R3000	\$217,800	\$377,800	0.75	\$283,350
Stead	\$51,507	\$26,000	90	R2200	\$178,830	\$256,337	0.70	\$179,436
Hill AFB	\$0	\$0	0		\$0	\$0	1.00	\$0
Cedar City	\$14,716	\$19,400	0		\$0	\$34,116	1.00	\$34,116
Battle Mountain	\$7,359	\$45,700	0		\$0	\$53,059	1.00	\$53,059
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Twin Falls	\$0	\$11,000	0		\$0	\$11,000	1.00	\$11,000
Forest Service Total =								\$0
Bureau of Land Management Total =								\$901,727
Total Alternative Airtanker Program Cost =								\$901,727

Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S	
NO	NO	FREQ	SUPP	MISSION	SUPP	CHANGE	PROG	ALT	
NO			COST	COST	COST		COST	COSTS	
		ACRES							
AL11	987	51116	22004349	4754669	26759018	-7494700	430712	34684430	
AL21	987	66318	29081870	4297781	33379651	-9946881	0	43326532	
AL40	987	53377	22682962	4596911	27279873	-7789444	401770	35471087	
AL41	987	49423	21637759	4854680	26492439	-7369907	684452	34546798	
AL42	987	51073	21981272	4738377	26719649	-7481544	639542	34840735	
AL43	987	50646	21882225	4762871	26645096	-7479121	729168	34853385	
AL44	987	51014	21969438	4698777	26668215	-7479722	684229	34832166	
AL45	987	49930	21760924	4820732	26581656	-7371337	629843	34582836	
AL46	987	51096	21995709	4762534	26758243	-7490453	599932	34848628	
AL47	987	49942	21811096	4886506	26697602	-7399069	464145	34560816	
AL48	987	51112	22055801	4765393	26821194	-7494217	430683	34746094	
AL49	987	51092	21997496	4764646	26762142	-7494255	662572	34918969	
AL50	987	48856	21251220	4928079	26179299	-7385726	490593	34055588	
AL60	987	53762	23006049	4953670	27959719	-7970626	451519	36381864	
AL61	987	49846	21760050	4881917	26641967	-7370382	612274	34624623	
AL70	987	47925	20892911	4958623	25851534	-7240343	943492	34035369	
AL71	987	49362	21515253	4909746	26424999	-7389139	838673	34652811	
AL72	987	48517	21127573	4957955	26085528	-7291454	689723	34066705	
AL73	987	48174	20989369	4959349	25948718	-7306945	744303	33999966	

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT	UN	0-	.26-	10-	100-	300-	1000-	5000+	Total
NO	NO	.25	9.99	99.99	299.9	999.9	4999		
AL11		719.89	212.97	26.30	14.36	7.02	5.78	2.62	988.94
AL21		675.12	230.23	45.21	17.82	9.33	7.98	3.21	988.90
AL40		719.22	213.14	25.77	14.92	7.04	6.11	2.73	988.93
AL41		719.84	215.88	24.72	13.40	7.02	5.53	2.57	988.96
AL42		719.62	214.25	25.44	14.20	7.02	5.78	2.62	988.93
AL43		720.18	216.77	22.97	13.71	7.02	5.68	2.62	988.95
AL44		720.18	215.38	23.86	14.09	7.02	5.78	2.62	988.93
AL45		720.10	213.01	26.24	14.36	6.92	5.73	2.57	988.93
AL46		720.10	212.83	26.23	14.36	7.02	5.77	2.62	988.93
AL47		719.89	214.04	25.53	14.18	6.97	5.77	2.55	988.93
AL48		719.89	213.34	26.02	14.27	7.02	5.78	2.62	988.94
AL49		719.89	213.77	25.66	14.20	7.02	5.78	2.62	988.94
AL50		719.89	215.23	24.72	13.95	6.89	5.70	2.55	988.93
AL60		704.79	227.61	25.74	14.75	7.12	6.14	2.78	988.93
AL61		719.89	214.04	25.55	14.18	7.01	5.73	2.55	988.95
AL70		720.05	217.75	23.33	12.98	6.85	5.45	2.54	988.95
AL71		720.05	215.80	24.66	13.39	6.92	5.57	2.57	988.96
AL72		720.10	215.18	24.68	13.95	6.89	5.59	2.54	988.93
AL73		719.84	217.73	23.47	12.99	6.85	5.52	2.55	988.95

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

## Airtanker Codes A1-A7 Only

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL11			142.03	63.81	11.10	2.06	3.21	2.97	2.55	227.73
AL21			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL31			164.13	87.22	14.44	6.90	4.21	4.81	2.52	284.23
AL32			246.16	107.74	21.26	11.90	5.39	7.52	3.63	403.60
AL33			158.15	69.23	11.19	2.63	2.88	2.68	2.38	249.14
AL40			134.83	57.82	7.51	2.13	2.27	3.09	1.80	209.45
AL41			164.13	87.22	14.44	6.90	4.21	4.81	2.52	284.23
AL42			162.49	83.11	15.46	7.54	4.15	4.31	2.69	279.75
AL43			151.52	76.83	13.55	7.02	4.34	3.94	2.69	259.89
AL44			143.63	70.43	13.37	4.95	4.12	4.04	2.69	243.23
AL45			158.15	69.23	11.19	2.63	2.88	2.68	2.38	249.14
AL46			152.09	68.38	11.61	2.06	3.21	3.00	2.55	242.90
AL47			142.23	64.26	10.50	2.03	3.23	3.55	2.00	227.80
AL48			140.21	62.45	9.56	1.52	2.83	2.30	2.24	221.11
AL49			140.21	62.45	9.56	1.52	2.83	2.30	2.24	221.11
AL50			140.20	63.76	10.10	1.34	2.94	2.73	2.41	223.48
AL60			109.28	52.67	8.29	2.52	3.14	3.82	1.98	181.70
AL61			142.23	64.30	10.82	2.43	3.42	3.58	2.06	228.84
AL70			172.36	89.06	14.24	6.46	3.90	3.40	2.47	291.89
AL71			180.25	91.51	14.50	6.89	4.01	4.65	2.52	304.33
AL72			150.26	66.71	10.38	1.91	2.81	2.33	2.33	236.73
AL73			162.30	86.03	14.32	6.47	3.90	3.72	2.48	279.22

## Airtanker Codes A1-A7 and A9 (Cooperator)

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL11			245.06	101.32	23.56	8.52	5.39	7.62	3.63	395.10
AL21			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL31			253.27	113.90	21.17	11.58	5.26	7.31	3.41	415.90
AL32			246.16	107.74	21.26	11.90	5.39	7.52	3.63	403.60
AL33			254.10	102.49	23.46	9.09	5.04	7.23	3.40	404.81
AL40			239.69	95.27	19.94	8.59	4.47	7.84	2.92	378.72
AL41			253.27	113.90	21.17	11.58	5.26	7.31	3.41	415.90
AL42			251.79	112.41	23.77	12.39	5.39	7.67	3.63	417.05
AL43			246.16	107.74	21.26	11.90	5.39	7.52	3.63	403.60
AL44			245.35	105.26	21.42	9.83	5.39	7.62	3.63	398.50
AL45			254.10	102.49	23.46	9.09	5.04	7.23	3.40	404.81
AL46			248.81	103.16	24.00	8.52	5.39	7.64	3.63	401.15
AL47			245.26	100.39	21.70	7.93	4.69	7.41	3.03	390.41
AL48			246.17	101.81	23.25	8.43	5.39	7.24	3.37	395.66
AL49			247.12	102.99	22.89	8.36	5.39	7.24	3.37	397.36
AL50			252.92	107.50	22.20	8.19	5.17	7.65	3.56	407.19
AL60			212.31	88.80	19.55	8.42	4.60	7.81	3.09	344.58
AL61			245.26	100.43	22.01	8.33	4.86	7.35	3.08	391.32
AL70			262.60	118.25	20.34	10.84	4.96	7.01	3.47	427.47
AL71			262.31	114.16	21.04	11.56	5.04	7.14	3.40	424.65
AL72			255.20	107.27	22.47	8.76	5.04	7.14	3.47	409.35
AL73			260.32	118.32	20.53	10.86	4.96	7.40	3.49	425.88

Key To National Forest Identification Numbers  
Used in the Initial Attack Analysis

01-Ashley NF	08-Fish Lake NF	14-Sawtooth NF
02-Boise NF	09-Humboldt NF	15-Targhee NF
03-Bridger-Teton NF	10-Manti-La Sal NF	17-Toiyabe NF
05-Caribou NF	12-Payette NF	18-Uinta NF
07-Dixie NF	13-Salmon NF	19-Wasatch-Cache NF

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Summary By Alternative and Forest  
(Without Breakdown Of NVC)  
(Per Acre And Unit Mission Separate)

		Annual Expected Values						AT	UNIT'S
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	PROG	ALT	
NO	NO	FREQ	ACRES	SUPP COST	MISSION COST	SUPP COST	COST	COSTS	
				COST	COST	COST	CHANGE		
<b>AL11</b>									
	01	49	519	335672	55620	391292	-16825	-	408117
	02	130	3425	1502219	744654	2246873	-3255214	-	5502087
	03	69	1007	199090	455716	654806	-73821	-	728627
	05	19	1684	158040	114594	272634	-254754	-	527388
	07	70	1010	238733	417315	656048	-359028	-	1015076
	08	22	2947	306359	73814	380173	24544	-	404717
	09	23	6094	536542	142729	679271	-225362	-	904633
	10	36	246	210903	77284	288187	-403616	-	691803
	12	133	6307	1952337	578707	2531044	1647161	-	4178205
	13	109	11448	5359244	809528	6168772	-324286	-	6493058
	14	53	2282	1473401	178960	1652361	-525434	-	2177795
	15	37	2286	277965	97428	375393	-263648	-	639041
	17	144	7393	7761623	493351	8254974	-14261	-	8269235
	18	39	1764	325592	292928	618520	-617704	-	1236224
	19	54	2704	1366629	222041	1588670	-2832452	-	4421122
<b>Total:</b>		<b>987</b>	<b>51116</b>	<b>22004349</b>	<b>4754669</b>	<b>26759018</b>	<b>-7494700</b>	<b>430712</b>	<b>34684430</b>
<b>AL21</b>									
	01	49	601	460572	37576	498148	-21795	-	519943
	02	130	4159	2169458	1020069	3189527	-3624162	-	6813689
	03	69	3518	764151	434561	1198712	-728997	-	1927709
	05	19	1788	218546	79360	297906	-267240	-	565146
	07	70	1116	291073	392040	683113	-398599	-	1081712
	08	22	3083	334942	53272	388214	26018	-	414232
	09	23	7940	714099	115768	829867	-288716	-	1118583
	10	36	260	251051	36328	287379	-408594	-	695973
	12	133	11910	4818709	560041	5378750	940041	-	6318791
	13	109	13390	6377862	567204	6945066	-433187	-	7378253
	14	53	2515	1729053	142544	1871597	-586318	-	2457915
	15	37	3345	401090	84073	485163	-507588	-	992751
	17	144	7753	8515440	387685	8903125	-13499	-	8916624
	18	39	2061	478794	221529	700323	-680515	-	1380838
	19	54	2879	1557030	165731	1722761	-2953730	-	4676491
<b>Total:</b>		<b>987</b>	<b>66318</b>	<b>29081870</b>	<b>4297781</b>	<b>33379651</b>	<b>-9946881</b>	<b>0</b>	<b>43326532</b>
<b>AL40</b>									
	01	49	519	335672	55620	391292	-16825	-	408117
	02	130	3659	1639686	730017	2369703	-3333088	-	5702791
	03	69	2099	356683	455947	812630	-250937	-	1063567
	05	19	1684	158040	114594	272634	-254754	-	527388
	07	70	1010	238733	417315	656048	-359028	-	1015076
	08	22	2947	306359	73814	380173	24544	-	404717
	09	23	6094	534583	153362	687945	-225362	-	913307
	10	36	246	210903	77284	288187	-403616	-	691803
	12	133	6579	2097743	478929	2576672	1646367	-	4223039
	13	109	12092	5573900	766704	6340604	-356712	-	6697316
	14	53	2299	1491324	170861	1662185	-530255	-	2192440
	15	37	2286	277297	95993	373290	-263759	-	637049
	17	144	7393	7761460	498141	8259601	-14261	-	8273862
	18	39	1764	325592	292928	618520	-617704	-	1236224
	19	54	2706	1374987	215402	1590389	-2834054	-	4424443
<b>Total:</b>		<b>987</b>	<b>53377</b>	<b>22682962</b>	<b>4596911</b>	<b>27279873</b>	<b>-7789444</b>	<b>401770</b>	<b>35471087</b>

Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without BreakDown Of NVC)  
 (Per Acre And Unit Mission Separate)

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Annual Expected Values									
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S	
NO	NO	FREQ	ACRES	SUPP	MISSION	SUPP	PROG	ALT	
				COST	COST	COST	COST	COSTS	
-----									
AL41									
01	49	243	160725	59916	220641	-1278	-	221919	
02	130	3425	1502219	744654	2246873	-3255214	-	5502087	
03	69	996	191513	458721	650234	-72034	-	722268	
05	19	1684	153113	120360	273473	-254754	-	528227	
07	70	1024	255787	422934	678721	-360130	-	1038851	
08	22	2635	271414	76412	347826	14088	-	361914	
09	23	6038	528328	165048	693376	-224104	-	917480	
10	36	240	205242	80410	285652	-401812	-	687464	
12	133	6307	1952337	578707	2531044	1647161	-	4178205	
13	109	11401	5343972	808926	6152898	-308435	-	6461333	
14	53	2282	1469404	182957	1652361	-525434	-	2177795	
15	37	1322	207724	95599	303323	-182815	-	486138	
17	144	7393	7761460	498141	8259601	-14261	-	8273862	
18	39	1758	305579	331163	636742	-615859	-	1252601	
19	54	2675	1328942	230732	1559674	-2815026	-	4374700	
Total:		987	49423	21637759	4854680	26492439	-7369907	684452	34546798
AL42									
01	49	519	335764	51150	386914	-16817	-	403731	
02	130	3425	1502219	744654	2246873	-3255214	-	5502087	
03	69	1005	196048	444626	640674	-73581	-	714255	
05	19	1684	158040	114594	272634	-254754	-	527388	
07	70	1010	240105	415830	655935	-358978	-	1014913	
08	22	2935	303377	70998	374375	24238	-	398613	
09	23	6086	536809	152253	689062	-225232	-	914294	
10	36	244	212035	72590	284625	-403515	-	688140	
12	133	6307	1952337	578707	2531044	1647161	-	4178205	
13	109	11448	5359280	809492	6168772	-324286	-	6493058	
14	53	2282	1474779	177582	1652361	-525434	-	2177795	
15	37	2286	278070	96524	374594	-263578	-	638172	
17	144	7393	7761460	498141	8259601	-14261	-	8273862	
18	39	1762	327286	289904	617190	-616799	-	1233989	
19	54	2687	1343663	221332	1564995	-2820494	-	4385489	
Total:		987	51073	21981272	4738377	26719649	-7481544	639542	34840735
AL43									
01	49	519	335672	55620	391292	-16825	-	408117	
02	130	3425	1502219	744654	2246873	-3255214	-	5502087	
03	69	1007	199090	455716	654806	-73821	-	728627	
05	19	1684	158040	114594	272634	-254754	-	527388	
07	70	930	200370	364202	564572	-343666	-	908238	
08	22	2626	269563	73603	343166	13617	-	356783	
09	23	6039	528872	152308	681180	-224187	-	905367	
10	36	242	207653	85874	293527	-402102	-	695629	
12	133	6307	1952337	578707	2531044	1647161	-	4178205	
13	109	11448	5359051	809721	6168772	-324286	-	6493058	
14	53	2282	1473401	178960	1652361	-525434	-	2177795	
15	37	2286	277965	97428	375393	-263648	-	639041	
17	144	7393	7761460	498141	8259601	-14261	-	8273862	
18	39	1760	301622	330904	632526	-616128	-	1248654	
19	54	2698	1354910	222439	1577349	-2825573	-	4402922	
Total:		987	50646	21882225	4762871	26645096	-7479121	729168	34853385

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL44									
	01	49	519	335672	55620	391292	-16825	-	408117
	02	130	3425	1502219	744654	2246873	-3255214	-	5502087
	03	69	1007	199090	455716	654806	-73821	-	728627
	05	19	1684	158040	114594	272634	-254754	-	527388
	07	70	936	208312	360680	568992	-345361	-	914353
	08	22	2931	302011	66963	368974	24088	-	393062
	09	23	6083	536453	149919	686372	-225169	-	911541
	10	36	246	210995	77156	288151	-403616	-	691767
	12	133	6307	1952337	578707	2531044	1647161	-	4178205
	13	109	11448	5359244	809528	6168772	-324286	-	6493058
	14	53	2282	1473401	178960	1652361	-525434	-	2177795
	15	37	2286	277965	97428	375393	-263648	-	639041
	17	144	7393	7761460	498141	8259601	-14261	-	8273862
	18	39	1764	325806	292435	618241	-617704	-	1235945
	19	54	2703	1366433	218276	1584709	-2830878	-	4415587
	Total:	987	51014	21969438	4698777	26668215	-7479722	684229	34832166
AL45									
	01	49	519	335672	55620	391292	-16825	-	408117
	02	130	3425	1502219	744654	2246873	-3255214	-	5502087
	03	69	999	197227	471531	668758	-72719	-	741477
	05	19	1684	158040	114594	272634	-254754	-	527388
	07	70	1010	238733	417315	656048	-359028	-	1015076
	08	22	2947	306359	73814	380173	24544	-	404717
	09	23	6094	534583	153362	687945	-225362	-	913307
	10	36	246	210903	77284	288187	-403616	-	691803
	12	133	6307	1951316	580878	2532194	1647161	-	4179355
	13	109	11247	5227321	796545	6023866	-289360	-	6313226
	14	53	2282	1473401	178960	1652361	-525434	-	2177795
	15	37	1315	188102	138326	326428	-183859	-	510287
	17	144	7393	7761460	498141	8259601	-14261	-	8273862
	18	39	1764	323103	296202	619305	-617697	-	1237002
	19	54	2698	1352485	223506	1575991	-2824913	-	4400904
	Total:	987	49930	21760924	4820732	26581656	-7371337	629843	34582836
AL46									
	01	49	519	335672	55620	391292	-16825	-	408117
	02	130	3425	1502219	744654	2246873	-3255214	-	5502087
	03	69	994	204531	452630	657161	-71242	-	728403
	05	19	1684	158040	114594	272634	-254754	-	527388
	07	70	1010	238733	417315	656048	-359028	-	1015076
	08	22	2947	306359	73814	380173	24544	-	404717
	09	23	6094	534583	153362	687945	-225362	-	913307
	10	36	246	210903	77284	288187	-403616	-	691803
	12	133	6307	1952337	578707	2531044	1647161	-	4178205
	13	109	11448	5359098	809321	6168419	-324262	-	6492681
	14	53	2282	1473401	178960	1652361	-525434	-	2177795
	15	37	2281	265180	98905	364085	-264257	-	628342
	17	144	7393	7761460	498141	8259601	-14261	-	8273862
	18	39	1764	325592	292928	618520	-617704	-	1236224
	19	54	2702	1367601	216299	1583900	-2830199	-	4414099
	Total:	987	51096	21995709	4762534	26758243	-7490453	599932	34848628



Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S	
NO	NO	FREQ	ACRES	SUPP COST	MISSION COST	SUPP COST	PROG COST	ALT COSTS	CHANGE
AL47									
01	49	519	335672	55620	391292	-16825	-	408117	
02	130	3417	1482038	779420	2261458	-3253909	-	5515367	
03	69	995	186111	448090	634201	-72296	-	706497	
05	19	1684	158040	114594	272634	-254754	-	527388	
07	70	1010	238733	417315	656048	-359028	-	1015076	
08	22	2947	306359	73814	380173	24544	-	404717	
09	23	6052	517728	186878	704606	-224390	-	928996	
10	36	246	210903	77284	288187	-403616	-	691803	
12	133	6307	1952359	579522	2531881	1647161	-	4179042	
13	109	11329	5315722	852156	6167878	-322591	-	6490469	
14	53	2256	1453857	188075	1641932	-518705	-	2160637	
15	37	1322	208926	95885	304811	-182909	-	487720	
17	144	7393	7761460	498141	8259601	-14261	-	8273862	
18	39	1764	325592	292928	618520	-617704	-	1236224	
19	54	2701	1357596	226784	1584380	-2829786	-	4414166	
Total:		987	49942	21811096	4886506	26697602	-7399069	464145	34560816
AL48									
01	49	519	335672	55620	391292	-16825	-	408117	
02	130	3425	1502219	744654	2246873	-3255214	-	5502087	
03	69	1007	199090	455716	654806	-73821	-	728627	
05	19	1684	158040	114594	272634	-254754	-	527388	
07	70	1010	239373	416329	655702	-358990	-	1014692	
08	22	2947	306359	73814	380173	24544	-	404717	
09	23	6077	536306	153066	689372	-225117	-	914489	
10	36	246	210903	77284	288187	-403616	-	691803	
12	133	6307	1952337	578707	2531044	1647161	-	4178205	
13	109	11448	5359272	809500	6168772	-324286	-	6493058	
14	53	2282	1473401	178960	1652361	-525434	-	2177795	
15	37	2286	277965	97428	375393	-263648	-	639041	
17	144	7406	7809767	497311	8307078	-14237	-	8321315	
18	39	1764	325592	292928	618520	-617704	-	1236224	
19	54	2704	1369505	219482	1588987	-2832276	-	4421263	
Total:		987	51112	22055801	4765393	26821194	-7494217	430683	34746094
AL49									
01	49	519	335672	55620	391292	-16825	-	408117	
02	130	3425	1502219	744654	2246873	-3255214	-	5502087	
03	69	1007	199090	455716	654806	-73821	-	728627	
05	19	1684	158040	114594	272634	-254754	-	527388	
07	70	1010	239373	416329	655702	-358990	-	1014692	
08	22	2947	306359	73814	380173	24544	-	404717	
09	23	6077	536306	153066	689372	-225117	-	914489	
10	36	246	210903	77284	288187	-403616	-	691803	
12	133	6307	1952337	578707	2531044	1647161	-	4178205	
13	109	11448	5359272	809500	6168772	-324286	-	6493058	
14	53	2282	1473401	178960	1652361	-525434	-	2177795	
15	37	2286	277965	97428	375393	-263648	-	639041	
17	144	7386	7751462	496564	8248026	-14275	-	8262301	
18	39	1764	325592	292928	618520	-617704	-	1236224	
19	54	2704	1369505	219482	1588987	-2832276	-	4421263	
Total:		987	51092	21997496	4764646	26762142	-7494255	662572	34918969

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S	
NO	NO	FREQ	SUPP	MISSION	SUPP	CHANGE	PROG	ALT	
			COST	COST	COST		COST	COSTS	
AL50									
	01	49	519	335672	55620	391292	-16825	-	408117
	02	130	3425	1501770	744591	2246361	-3255211	-	5501572
	03	69	1002	194437	473967	668404	-72849	-	741253
	05	19	1666	133583	130230	263813	-252696	-	516509
	07	70	1009	238071	418202	656273	-358908	-	1015181
	08	22	2797	292006	80385	372391	24344	-	396735
	09	23	6045	525117	169383	694500	-224239	-	918739
	10	36	246	210903	77284	288187	-403616	-	691803
	12	133	6307	1952337	578707	2531044	1647161	-	4178205
	13	109	10402	4796310	802997	5599307	-311125	-	5910432
	14	53	2268	1462574	181383	1643957	-523099	-	2167056
	15	37	1321	196403	141808	338211	-183191	-	521402
	17	144	7393	7761460	498141	8259601	-14261	-	8273862
	18	39	1759	300453	340390	640843	-616058	-	1256901
	19	54	2697	1350124	234991	1585115	-2825153	-	4410268
	Total:	987	48856	21251220	4928079	26179299	-7385726	490563	34055588
AL60									
	01	49	519	335672	55620	391292	-16825	-	408117
	02	130	3706	1753778	917071	2670849	-3336816	-	6007665
	03	69	1995	345224	451313	796537	-214212	-	1010749
	05	19	1684	158040	114594	272634	-254754	-	527388
	07	70	1010	238733	417315	656048	-359028	-	1015076
	08	22	2947	306359	73814	380173	24544	-	404717
	09	23	6052	517728	186878	704606	-224390	-	928996
	10	36	246	210903	77284	288187	-403616	-	691803
	12	133	6999	2266503	557905	2824408	1438226	-	4262634
	13	109	12151	5633275	822724	6455999	-365463	-	6821462
	14	53	2307	1503365	172966	1676331	-531708	-	2208039
	15	37	2287	281964	95480	377444	-263828	-	641272
	17	144	7393	7761460	498141	8259601	-14261	-	8273862
	18	39	1764	325592	292928	618520	-617704	-	1236224
	19	54	2702	1367453	219637	1587090	-2830791	-	4417881
	Total:	987	53762	23006049	4953670	27959719	-7970626	451519	36381864
AL61									
	01	49	519	335672	55620	391292	-16825	-	408117
	02	130	3418	1487217	776780	2263997	-3253996	-	5517993
	03	69	995	186111	448090	634201	-72296	-	706497
	05	19	1684	158040	114594	272634	-254754	-	527388
	07	70	1010	238733	417315	656048	-359028	-	1015076
	08	22	2947	306359	73814	380173	24544	-	404717
	09	23	6052	517728	186878	704606	-224390	-	928996
	10	36	246	210903	77284	288187	-403616	-	691803
	12	133	6307	1952359	579522	2531881	1647161	-	4179042
	13	109	11215	5254439	849185	6103624	-288793	-	6392417
	14	53	2273	1458915	189097	1648012	-523729	-	2171741
	15	37	1322	208926	95885	304811	-182909	-	487720
	17	144	7393	7761460	498141	8259601	-14261	-	8273862
	18	39	1764	325592	292928	618520	-617704	-	1236224
	19	54	2701	1357596	226784	1584380	-2829786	-	4414166
	Total:	987	49846	21760050	4881917	26641967	-7370382	612274	34624623

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National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S	
NO	NO	FREQ	ACRES	SUPP	MISSION	SUPP COST	PROG	ALT	
				COST	COST		COST	COSTS	
						CHANGE			
AL70									
	01	49	243	160725	59916	220641	-1278	-	221919
	02	130	3425	1501770	744591	2246361	-3255211	-	5501572
	03	69	928	193950	488156	682106	-68306	-	750412
	05	19	1666	133583	130230	263813	-252696	-	516509
	07	70	1024	255787	422934	678721	-360130	-	1038851
	08	22	2635	271414	76412	347826	14088	-	361914
	09	23	6037	529073	162929	692002	-224088	-	916090
	10	36	240	205242	80410	285652	-401812	-	687464
	12	133	6307	1951316	580878	2532194	1647161	-	4179355
	13	109	10234	4703583	797284	5500867	-254096	-	5754963
	14	53	2268	1458577	185380	1643957	-523099	-	2167056
	15	37	1176	175913	140366	316279	-155263	-	471542
	17	144	7393	7760851	498992	8259843	-14261	-	8274104
	18	39	1691	286771	351115	637886	-587226	-	1225112
	19	54	2658	1304356	239030	1543386	-2804126	-	4347512
	Total:	987	47925	20892911	4958623	25851534	-7240343	943492	34035369
AL71									
	01	49	243	160725	59916	220641	-1278	-	221919
	02	130	3425	1502219	744654	2246873	-3255214	-	5502087
	03	69	1100	214063	468881	682944	-108854	-	791798
	05	19	1684	153113	120360	273473	-254754	-	528227
	07	70	1024	255787	422934	678721	-360130	-	1038851
	08	22	2635	271414	76412	347826	14088	-	361914
	09	23	6038	528328	165048	693376	-224104	-	917480
	10	36	240	205242	80410	285652	-401812	-	687464
	12	133	6307	1951316	580878	2532194	1647161	-	4179355
	13	109	11247	5227321	796545	6023866	-289360	-	6313226
	14	53	2282	1469404	182957	1652361	-525434	-	2177795
	15	37	1313	187487	138316	325803	-184789	-	510592
	17	144	7393	7760612	506602	8267214	-14261	-	8281475
	18	39	1758	305579	331163	636742	-615859	-	1252601
	19	54	2673	1322643	234670	1557313	-2814539	-	4371852
	Total:	987	49362	21515253	4909746	26424999	-7389139	838673	34652811
AL72									
	01	49	519	335672	55620	391292	-16825	-	408117
	02	130	3425	1501770	744591	2246361	-3255211	-	5501572
	03	69	980	197245	495246	692491	-69291	-	761782
	05	19	1666	133583	130230	263813	-252696	-	516509
	07	70	1009	238071	418202	656273	-358908	-	1015181
	08	22	2797	292006	80385	372391	24344	-	396735
	09	23	6045	525117	169383	694500	-224239	-	918739
	10	36	246	210903	77284	288187	-403616	-	691803
	12	133	6307	1951316	580878	2532194	1647161	-	4179355
	13	109	10234	4703583	797284	5500867	-254096	-	5754963
	14	53	2268	1462574	181383	1643957	-523099	-	2167056
	15	37	1178	176576	140376	316952	-154333	-	471285
	17	144	7393	7760609	506206	8266815	-14261	-	8281076
	18	39	1759	297928	342934	640862	-616058	-	1256920
	19	54	2691	1340620	237953	1578573	-2820326	-	4398899
	Total:	987	48517	21127573	4957955	26085528	-7291454	689723	34066705

Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL73	01	49	243	160725	59916	220641	-1278	-	221919
	02	130	3425	1501770	744591	2246361	-3255211	-	5501572
	03	69	912	184300	473372	657672	-65518	-	723190
	05	19	1666	133583	130230	263813	-252696	-	516509
	07	70	1024	255787	422934	678721	-360130	-	1038851
	08	22	2635	271414	76412	347826	14088	-	361914
	09	23	6037	528226	164828	693054	-224088	-	917142
	10	36	240	205242	80410	285652	-401812	-	687464
	12	133	6307	1952337	578707	2531044	1647161	-	4178205
	13	109	10355	4781090	802362	5583452	-295274	-	5878726
	14	53	2268	1458577	185380	1643957	-523099	-	2167056
	15	37	1319	199506	143539	343045	-182987	-	526032
	17	144	7393	7760471	510243	8270714	-14261	-	8284975
	18	39	1691	286771	351115	637886	-587226	-	1225112
	19	54	2659	1309570	235310	1544880	-2804614	-	4349494
Total:	987	48174	20989369	4959349	25948718	-7306945	744303	33999966	

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL11									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.08	0.97	0.00	0.00	0.06	0.01	69.22
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.59	0.58	0.00	0.29	0.05	22.34
	09	11.40	5.30	2.86	1.28	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.82	0.36	0.49	0.33	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.09	0.72	0.01	0.00	0.00	0.12	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.88	4.16	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.49	1.71	0.00	0.28	0.49	0.26	53.69
	Total:	719.89	212.97	26.30	14.36	7.02	5.78	2.62	988.94
AL21									
	01	42.72	5.14	0.32	0.50	0.00	0.22	0.00	48.90
	02	96.27	26.57	5.13	1.07	0.67	0.23	0.31	130.25
	03	62.10	5.67	0.93	0.13	0.00	0.19	0.19	69.21
	05	10.60	5.47	1.62	0.00	0.00	1.70	0.00	19.39
	07	12.10	55.00	2.46	0.44	0.20	0.00	0.10	70.30
	08	15.75	4.42	1.10	0.62	0.10	0.29	0.05	22.33
	09	11.40	5.30	2.86	0.63	1.34	1.71	0.05	23.29
	10	19.78	14.19	2.07	0.14	0.22	0.00	0.00	36.40
	12	87.91	28.07	10.51	0.75	4.21	0.91	0.53	132.89
	13	74.94	27.37	4.11	0.44	0.69	0.73	0.83	109.11
	14	40.34	9.52	1.42	0.06	0.60	0.86	0.00	52.80
	15	30.08	6.20	0.65	0.30	0.00	0.07	0.16	37.46
	17	121.85	13.90	4.26	1.43	0.82	0.52	0.73	143.51
	18	12.82	10.76	4.46	11.31	0.00	0.03	0.00	39.38
	19	36.46	12.65	3.31	0.00	0.48	0.52	0.26	53.68
	Total:	675.12	230.23	45.21	17.82	9.33	7.98	3.21	988.90
AL40									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.87	17.15	0.88	0.40	0.45	0.22	0.28	130.25
	03	62.10	5.91	1.02	0.00	0.00	0.13	0.05	69.21
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.59	0.58	0.00	0.29	0.05	22.34
	09	11.40	5.30	2.86	1.28	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.34	2.70	0.56	3.00	0.14	0.31	132.90
	13	78.48	26.53	1.98	0.36	0.48	0.48	0.79	109.10
	14	40.76	9.10	1.56	0.06	0.50	0.82	0.00	52.80
	15	30.52	6.09	0.72	0.01	0.00	0.00	0.12	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.88	4.16	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.49	1.71	0.00	0.28	0.49	0.26	53.69
	Total:	719.22	213.14	25.77	14.92	7.04	6.11	2.73	988.93

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL41									
	01	44.24	4.53	0.00	0.04	0.00	0.09	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	5.99	1.07	0.00	0.00	0.05	0.01	69.22
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.10	2.38	0.44	0.19	0.00	0.09	70.30
	08	17.35	3.51	1.14	0.11	0.00	0.19	0.05	22.35
	09	11.40	6.51	1.98	0.95	1.10	1.31	0.05	23.30
	10	19.78	14.64	1.62	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.83	0.36	0.49	0.32	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.16	0.70	0.01	0.00	0.00	0.07	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.90	4.14	10.16	0.00	0.00	0.00	39.38
	19	36.62	15.31	0.74	0.00	0.28	0.49	0.26	53.70
	Total:	719.84	215.88	24.72	13.40	7.02	5.53	2.57	988.96
AL42									
	01	44.24	4.11	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	5.91	1.13	0.00	0.00	0.06	0.01	69.21
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.29	3.57	0.72	0.42	0.00	0.29	0.05	22.34
	09	11.40	5.71	2.45	1.28	1.10	1.31	0.05	23.30
	10	19.78	14.64	1.62	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.82	0.36	0.49	0.33	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.16	0.65	0.01	0.00	0.00	0.12	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.90	4.14	10.16	0.00	0.00	0.00	39.38
	19	36.46	15.02	1.18	0.00	0.28	0.49	0.26	53.69
	Total:	719.62	214.25	25.44	14.20	7.02	5.78	2.62	988.93
AL43									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.08	0.97	0.00	0.00	0.06	0.01	69.22
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	57.40	0.08	0.44	0.19	0.00	0.09	70.30
	08	17.35	3.52	1.13	0.11	0.00	0.19	0.05	22.35
	09	11.40	6.78	1.56	1.10	1.10	1.31	0.05	23.30
	10	19.78	14.64	1.62	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.82	0.36	0.49	0.33	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.09	0.72	0.01	0.00	0.00	0.12	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.90	4.14	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.52	1.68	0.00	0.28	0.49	0.26	53.69
	Total:	720.18	216.77	22.97	13.71	7.02	5.68	2.62	988.95

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL44									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.08	0.97	0.00	0.00	0.06	0.01	69.22
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	57.14	0.33	0.44	0.19	0.00	0.09	70.29
	08	17.35	3.51	0.72	0.42	0.00	0.29	0.05	22.34
	09	11.40	5.81	2.46	1.17	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.82	0.36	0.49	0.33	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.09	0.72	0.01	0.00	0.00	0.12	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.88	4.16	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.51	1.69	0.00	0.28	0.49	0.26	53.69
	Total:	720.18	215.38	23.86	14.09	7.02	5.78	2.62	988.93
AL45									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	5.98	1.07	0.00	0.00	0.05	0.01	69.21
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.59	0.58	0.00	0.29	0.05	22.34
	09	11.40	5.30	2.86	1.28	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.32	1.94	0.36	0.39	0.29	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.73	5.95	0.70	0.01	0.00	0.00	0.07	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.90	4.14	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.73	1.47	0.00	0.28	0.49	0.26	53.69
	Total:	720.10	213.01	26.24	14.36	6.92	5.73	2.57	988.93
AL46									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.08	0.97	0.00	0.00	0.05	0.01	69.21
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.59	0.58	0.00	0.29	0.05	22.34
	09	11.40	5.30	2.86	1.28	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.82	0.36	0.49	0.33	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.73	5.95	0.65	0.01	0.00	0.00	0.12	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.88	4.16	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.49	1.71	0.00	0.28	0.49	0.26	53.69
	Total:	720.10	212.83	26.23	14.36	7.02	5.77	2.62	988.93

Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL47									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.21	0.85	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.09	0.97	0.00	0.00	0.05	0.01	69.22
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.59	0.58	0.00	0.29	0.05	22.34
	09	11.40	5.87	2.47	1.10	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.34	1.79	0.36	0.49	0.33	0.72	109.10
	14	40.76	9.60	1.14	0.06	0.42	0.82	0.00	52.80
	15	30.52	6.16	0.70	0.01	0.00	0.00	0.07	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.88	4.16	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.49	1.71	0.00	0.28	0.49	0.26	53.69
	Total:	719.89	214.04	25.53	14.18	6.97	5.77	2.55	988.93
AL48									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.08	0.97	0.00	0.00	0.06	0.01	69.22
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.59	0.58	0.00	0.29	0.05	22.34
	09	11.40	6.05	2.22	1.17	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.82	0.36	0.49	0.33	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.09	0.72	0.01	0.00	0.00	0.12	37.46
	17	127.28	11.41	2.12	0.75	0.82	0.39	0.73	143.50
	18	19.18	5.88	4.16	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.49	1.71	0.00	0.28	0.49	0.26	53.69
	Total:	719.89	213.34	26.02	14.27	7.02	5.78	2.62	988.94
AL49									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.08	0.97	0.00	0.00	0.06	0.01	69.22
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.59	0.58	0.00	0.29	0.05	22.34
	09	11.40	6.05	2.22	1.17	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.82	0.36	0.49	0.33	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.09	0.72	0.01	0.00	0.00	0.12	37.46
	17	127.28	11.84	1.76	0.68	0.82	0.39	0.73	143.50
	18	19.18	5.88	4.16	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.49	1.71	0.00	0.28	0.49	0.26	53.69
	Total:	719.89	213.77	25.66	14.20	7.02	5.78	2.62	988.94



Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL50									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.08	0.96	0.00	0.00	0.06	0.01	69.21
	05	11.64	4.98	1.16	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.75	0.50	0.00	0.21	0.05	22.34
	09	11.40	5.95	2.54	0.95	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.98	0.36	0.36	0.33	0.72	109.12
	14	40.76	10.33	0.36	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.16	0.70	0.01	0.00	0.00	0.07	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.90	4.14	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.60	1.59	0.00	0.28	0.49	0.26	53.68
	Total:	719.89	215.23	24.72	13.95	6.89	5.70	2.55	988.93
AL60									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	96.27	31.65	0.98	0.41	0.45	0.22	0.28	130.26
	03	62.10	5.91	1.02	0.00	0.00	0.13	0.04	69.20
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.59	0.58	0.00	0.29	0.05	22.34
	09	11.40	5.87	2.47	1.10	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	28.83	3.09	0.56	3.05	0.15	0.37	132.90
	13	79.07	25.80	2.07	0.36	0.51	0.50	0.79	109.10
	14	40.34	9.67	1.41	0.06	0.50	0.82	0.00	52.80
	15	30.52	6.16	0.65	0.01	0.00	0.00	0.12	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.88	4.16	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.49	1.71	0.00	0.28	0.49	0.26	53.69
	Total:	704.79	227.61	25.74	14.75	7.12	6.14	2.78	988.93
AL61									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.21	0.85	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.09	0.97	0.00	0.00	0.05	0.01	69.22
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.59	0.58	0.00	0.29	0.05	22.34
	09	11.40	5.87	2.47	1.10	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.34	1.86	0.36	0.48	0.29	0.72	109.12
	14	40.76	9.60	1.09	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.16	0.70	0.01	0.00	0.00	0.07	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.88	4.16	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.49	1.71	0.00	0.28	0.49	0.26	53.69
	Total:	719.89	214.04	25.55	14.18	7.01	5.73	2.55	988.95

Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL70									
	01	44.24	4.53	0.00	0.04	0.00	0.09	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.16	0.90	0.00	0.00	0.05	0.01	69.22
	05	11.64	4.98	1.16	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.10	2.38	0.44	0.19	0.00	0.09	70.30
	08	17.35	3.51	1.14	0.11	0.00	0.19	0.05	22.35
	09	11.40	6.51	1.98	0.95	1.10	1.31	0.05	23.30
	10	19.78	14.64	1.62	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.32	2.04	0.36	0.36	0.24	0.72	109.11
	14	40.76	10.33	0.36	0.06	0.47	0.82	0.00	52.80
	15	30.73	5.99	0.68	0.00	0.00	0.00	0.06	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.90	4.55	9.75	0.00	0.00	0.00	39.38
	19	36.62	15.75	0.33	0.00	0.24	0.49	0.26	53.69
	Total:	720.05	217.75	23.33	12.98	6.85	5.45	2.54	988.95
AL71									
	01	44.24	4.53	0.00	0.04	0.00	0.09	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.09	0.90	0.00	0.00	0.12	0.01	69.22
	05	11.64	4.66	1.48	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.10	2.38	0.44	0.19	0.00	0.09	70.30
	08	17.35	3.51	1.14	0.11	0.00	0.19	0.05	22.35
	09	11.40	6.51	1.98	0.95	1.10	1.31	0.05	23.30
	10	19.78	14.64	1.62	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.32	1.94	0.36	0.39	0.29	0.74	109.11
	14	40.76	9.24	1.45	0.06	0.47	0.82	0.00	52.80
	15	30.73	5.96	0.70	0.00	0.00	0.00	0.07	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.90	4.14	10.16	0.00	0.00	0.00	39.38
	19	36.62	15.31	0.74	0.00	0.28	0.49	0.26	53.70
	Total:	720.05	215.80	24.66	13.39	6.92	5.57	2.57	988.96
AL72									
	01	44.74	3.61	0.13	0.20	0.00	0.22	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	6.03	1.03	0.00	0.00	0.04	0.01	69.21
	05	11.64	4.98	1.16	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.00	2.48	0.44	0.19	0.00	0.09	70.30
	08	17.06	3.77	0.75	0.50	0.00	0.21	0.05	22.34
	09	11.40	5.95	2.54	0.95	1.10	1.31	0.05	23.30
	10	19.78	14.52	1.74	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.32	2.04	0.36	0.36	0.24	0.72	109.11
	14	40.76	10.33	0.36	0.06	0.47	0.82	0.00	52.80
	15	30.73	5.98	0.68	0.01	0.00	0.00	0.06	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.90	4.14	10.16	0.00	0.00	0.00	39.38
	19	36.46	14.76	1.44	0.00	0.28	0.49	0.26	53.69
	Total:	720.10	215.18	24.68	13.95	6.89	5.59	2.54	988.93

Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----									
AL73									
	01	44.24	4.53	0.00	0.04	0.00	0.09	0.00	48.90
	02	110.95	17.19	0.87	0.40	0.45	0.11	0.28	130.25
	03	62.10	5.99	1.07	0.00	0.00	0.04	0.01	69.21
	05	11.64	4.98	1.16	0.00	0.00	1.62	0.00	19.40
	07	12.10	55.10	2.38	0.44	0.19	0.00	0.09	70.30
	08	17.35	3.51	1.14	0.11	0.00	0.19	0.05	22.35
	09	11.40	6.51	1.98	0.95	1.10	1.31	0.05	23.30
	10	19.78	14.64	1.62	0.14	0.22	0.00	0.00	36.40
	12	96.85	29.05	3.56	0.00	3.00	0.14	0.29	132.89
	13	79.07	26.30	1.99	0.36	0.36	0.32	0.72	109.12
	14	40.76	10.33	0.36	0.06	0.47	0.82	0.00	52.80
	15	30.52	6.16	0.70	0.01	0.00	0.00	0.07	37.46
	17	127.28	11.79	1.76	0.73	0.82	0.39	0.73	143.50
	18	19.18	5.90	4.55	9.75	0.00	0.00	0.00	39.38
	19	36.62	15.75	0.33	0.00	0.24	0.49	0.26	53.69
	Total:	719.84	217.73	23.47	12.99	6.85	5.52	2.55	988.95

Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- 25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL11										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		132.20	49.52	5.38	0.77	1.29	1.13	1.49	191.78
	A5		9.83	14.29	5.72	1.29	1.92	1.84	1.06	35.95
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		142.03	63.81	11.10	2.06	3.21	2.97	2.55	227.73
	A9		103.03	37.51	12.46	6.46	2.18	4.65	1.08	167.37
	Total:		245.06	101.32	23.56	8.52	5.39	7.62	3.63	395.10
-----Summary-----										
AL40										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.77	1.62	0.61	0.08	0.18	0.40	0.15	3.81
	A5		134.06	56.20	6.90	2.05	2.09	2.69	1.65	205.64
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		134.83	57.82	7.51	2.13	2.27	3.09	1.80	209.45
	A9		104.86	37.45	12.43	6.46	2.20	4.75	1.12	169.27
	Total:		239.69	95.27	19.94	8.59	4.47	7.84	2.92	378.72
-----Summary-----										
AL41										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		154.30	73.44	10.57	6.34	2.82	3.95	1.58	253.00
	A5		9.83	13.78	3.87	0.56	1.39	0.86	0.94	31.23
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		164.13	87.22	14.44	6.90	4.21	4.81	2.52	284.23
	A9		89.14	26.68	6.73	4.68	1.05	2.50	0.89	131.67
	Total:		253.27	113.90	21.17	11.58	5.26	7.31	3.41	415.90
-----Summary-----										
AL42										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		132.20	46.83	4.72	0.77	1.14	0.66	1.22	187.54
	A5		30.29	36.28	10.74	6.77	3.01	3.65	1.47	92.21
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		162.49	83.11	15.46	7.54	4.15	4.31	2.69	279.75
	A9		89.30	29.30	8.31	4.85	1.24	3.36	0.94	137.30
	Total:		251.79	112.41	23.77	12.39	5.39	7.67	3.63	417.05
-----Summary-----										
AL43										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		141.69	62.62	8.48	6.27	2.42	2.10	1.63	225.21
	A5		9.83	14.21	5.07	0.75	1.92	1.84	1.06	34.68
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		151.52	76.83	13.55	7.02	4.34	3.94	2.69	259.89
	A9		94.64	30.91	7.71	4.88	1.05	3.58	0.94	143.71
	Total:		246.16	107.74	21.26	11.90	5.39	7.52	3.63	403.60

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL44										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		132.20	49.52	5.27	0.77	1.29	0.75	1.23	191.03
	A5		11.43	20.91	8.10	4.18	2.83	3.29	1.46	52.20
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		143.63	70.43	13.37	4.95	4.12	4.04	2.69	243.23
	A9		101.72	34.83	8.05	4.88	1.27	3.58	0.94	155.27
	Total:		245.35	105.26	21.42	9.83	5.39	7.62	3.63	398.50
-----Summary-----										
AL45										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		148.32	55.63	6.44	1.35	1.19	1.08	1.44	215.45
	A5		9.83	13.60	4.75	1.28	1.69	1.60	0.94	33.69
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		158.15	69.23	11.19	2.63	2.88	2.68	2.38	249.14
	A9		95.95	33.26	12.27	6.46	2.16	4.55	1.02	155.67
	Total:		254.10	102.49	23.46	9.09	5.04	7.23	3.40	404.81
-----Summary-----										
AL46										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		132.20	46.87	4.60	0.77	1.14	0.69	1.22	187.49
	A5		19.89	21.51	7.01	1.29	2.07	2.31	1.33	55.41
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		152.09	68.38	11.61	2.06	3.21	3.00	2.55	242.90
	A9		96.72	34.78	12.39	6.46	2.18	4.64	1.08	158.25
	Total:		248.81	103.16	24.00	8.52	5.39	7.64	3.63	401.15
-----Summary-----										
AL47										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		138.33	60.09	8.73	1.87	2.74	3.13	1.47	216.36
	A5		3.90	4.17	1.77	0.16	0.49	0.42	0.53	11.44
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		142.23	64.26	10.50	2.03	3.23	3.55	2.00	227.80
	A9		103.03	36.13	11.20	5.90	1.46	3.86	1.03	162.61
	Total:		245.26	100.39	21.70	7.93	4.69	7.41	3.03	390.41

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL48										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		132.20	49.52	5.35	0.77	1.29	0.75	1.23	191.11
	A5		8.01	12.93	4.21	0.75	1.54	1.55	1.01	30.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		140.21	62.45	9.56	1.52	2.83	2.30	2.24	221.11
	A9		105.96	39.36	13.69	6.91	2.56	4.94	1.13	174.55
	Total:		246.17	101.81	23.25	8.43	5.39	7.24	3.37	395.66
-----Summary-----										
AL49										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		132.20	49.52	5.35	0.77	1.29	0.75	1.23	191.11
	A5		8.01	12.93	4.21	0.75	1.54	1.55	1.01	30.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		140.21	62.45	9.56	1.52	2.83	2.30	2.24	221.11
	A9		106.91	40.54	13.33	6.84	2.56	4.94	1.13	176.25
	Total:		247.12	102.99	22.89	8.36	5.39	7.24	3.37	397.36
-----Summary-----										
AL50										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		130.37	49.96	5.03	0.77	1.16	1.13	1.42	189.84
	A5		9.83	13.80	5.07	0.57	1.78	1.60	0.99	33.64
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		140.20	63.76	10.10	1.34	2.94	2.73	2.41	223.48
	A9		112.72	43.74	12.10	6.85	2.23	4.92	1.15	183.71
	Total:		252.92	107.50	22.20	8.19	5.17	7.65	3.56	407.19
-----Summary-----										
AL60										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		75.40	38.99	6.49	1.60	2.59	3.24	1.14	129.45
	A5		33.88	13.68	1.80	0.92	0.55	0.58	0.84	52.25
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		109.28	52.67	8.29	2.52	3.14	3.82	1.98	181.70
	A9		103.03	36.13	11.26	5.90	1.46	3.99	1.11	162.88
	Total:		212.31	88.80	19.55	8.42	4.60	7.81	3.09	344.58

## Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study										
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class										
ALT NO	UN ID	TY ID	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
-----Summary-----										
AL61										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		138.33	60.09	8.75	1.87	2.78	3.09	1.47	216.38
	A5		3.90	4.21	2.07	0.56	0.64	0.49	0.59	12.46
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		142.23	64.30	10.82	2.43	3.42	3.58	2.06	228.84
	A9		103.03	36.13	11.19	5.90	1.44	3.77	1.02	162.48
	Total:		245.26	100.43	22.01	8.33	4.86	7.35	3.08	391.32
-----Summary-----										
AL70										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		162.53	75.97	10.18	5.90	2.65	2.79	1.55	261.57
	A5		9.83	13.09	4.06	0.56	1.25	0.61	0.92	30.32
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		172.36	89.06	14.24	6.46	3.90	3.40	2.47	291.89
	A9		90.24	29.19	6.10	4.38	1.06	3.61	1.00	135.58
	Total:		262.60	118.25	20.34	10.84	4.96	7.01	3.47	427.47
-----Summary-----										
AL71										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		170.42	78.42	10.51	6.33	2.72	3.99	1.58	273.97
	A5		9.83	13.09	3.99	0.56	1.29	0.66	0.94	30.36
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		180.25	91.51	14.50	6.89	4.01	4.65	2.52	304.33
	A9		82.06	22.65	6.54	4.67	1.03	2.49	0.88	120.32
	Total:		262.31	114.16	21.04	11.56	5.04	7.14	3.40	424.65
-----Summary-----										
AL72										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		140.43	53.62	6.32	1.35	1.16	1.02	1.41	205.31
	A5		9.83	13.09	4.06	0.56	1.65	1.31	0.92	31.42
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		150.26	66.71	10.38	1.91	2.81	2.33	2.33	236.73
	A9		104.94	40.56	12.09	6.85	2.23	4.81	1.14	172.62
	Total:		255.20	107.27	22.47	8.76	5.04	7.14	3.47	409.35

Great Basin Geographic Area - Forest Service - Appendix F

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL73										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		152.47	72.35	10.32	5.91	2.65	2.86	1.56	248.12
	A5		9.83	13.68	4.00	0.56	1.25	0.86	0.92	31.10
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		162.30	86.03	14.32	6.47	3.90	3.72	2.48	279.22
	A9		98.02	32.29	6.21	4.39	1.06	3.68	1.01	146.66
	Total:		260.32	118.32	20.53	10.86	4.96	7.40	3.49	425.88



Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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 Annual Expected Values  
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ALT	UN NO	UN NO	FREQ	ACRES	ACRE UNIT			NET VAL	AT	UNIT'S
					SUPP COST	MISSION COST	EMERGENCY SUPP COST			
AL11	1233	234640		4874828	3697640	8572468	-20124450	720165	29417083	
AL21	1233	236159		6504966	2535210	9040176	-20365041	0	29405217	
AL40	1233	234794		4821259	3768463	8589722	-20183663	690937	29464322	
AL41	1233	234454		4803297	3890267	8693564	-20119275	1022300	29835139	
AL42	1233	234756		4868256	3712327	8580583	-20127440	977390	29685413	
AL43	1233	233847		4779016	3862314	8641330	-20100351	943905	29685586	
AL44	1233	234661		4862749	3702287	8565036	-20123701	898995	29587732	
AL45	1233	234606		4842492	3741766	8584258	-20115031	919325	29618614	
AL46	1233	234632		4839906	3740250	8580156	-20122996	889385	29592537	
AL47	1233	234595		4779676	3829274	8608950	-20105074	753598	29467622	
AL48	1233	234804		4881160	3703276	8584436	-20128025	773814	29486275	
AL49	1233	234786		4764544	3790618	8555162	-20127087	898995	29581244	
AL50	1233	234598		4756705	3914405	8671110	-20197900	756093	29625103	
AL60	1233	234769		4808067	3819845	8627912	-20240676	750165	29618753	
AL61	1233	234595		4784108	3824088	8608196	-20105074	901727	29614997	

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL11		674.69	299.41	137.89	53.88	34.29	22.46	11.71	1234.33
AL21		674.07	283.47	152.77	54.92	34.72	22.67	11.72	1234.34
AL40		674.07	295.33	142.43	53.98	34.34	22.46	11.71	1234.32
AL41		674.70	302.03	135.84	53.38	34.22	22.46	11.71	1234.34
AL42		674.69	299.72	137.49	53.96	34.29	22.46	11.72	1234.33
AL43		684.70	296.52	133.00	51.93	34.22	22.28	11.71	1234.36
AL44		683.74	292.87	135.87	53.45	34.25	22.46	11.72	1234.36
AL45		674.69	299.83	137.70	53.66	34.29	22.46	11.71	1234.34
AL46		674.69	299.59	137.70	53.88	34.29	22.46	11.71	1234.32
AL47		674.69	301.01	136.45	53.75	34.28	22.46	11.71	1234.35
AL48		674.69	299.65	137.51	54.01	34.29	22.46	11.72	1234.33
AL49		674.69	299.73	137.43	54.01	34.29	22.46	11.72	1234.33
AL50		674.69	299.83	137.73	53.40	34.52	22.46	11.71	1234.34
AL60		674.07	299.75	137.59	54.19	34.56	22.46	11.71	1234.33
AL61		674.69	301.01	136.45	53.75	34.28	22.46	11.71	1234.35

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL11			29.16	43.40	40.22	31.51	25.30	18.20	12.04	199.83
AL21			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL40			29.91	38.74	44.75	31.97	24.98	18.13	12.89	201.37
AL41			30.85	50.43	40.43	31.41	25.23	18.19	12.88	209.42
AL42			29.66	44.25	41.07	32.50	25.30	18.20	12.89	203.87
AL43			54.14	60.00	39.37	31.06	25.39	18.66	13.00	241.62
AL44			52.88	54.33	42.03	31.98	25.26	18.20	12.89	237.57
AL45			29.16	43.60	40.04	31.75	25.12	18.15	12.88	200.70
AL46			29.16	43.59	40.09	32.62	25.30	18.27	12.90	201.93
AL47			29.16	44.84	39.45	31.87	25.26	18.29	12.99	201.86
AL48			20.55	42.54	34.71	35.41	27.44	18.20	13.07	191.92
AL49			29.16	46.09	40.14	34.51	25.62	18.20	10.95	204.67
AL50			29.16	44.82	40.68	32.95	25.22	18.14	12.88	203.85
AL60			26.07	43.15	40.26	32.22	25.20	18.12	12.89	197.91
AL61			29.16	44.84	39.45	31.87	25.10	18.13	12.89	201.44

Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL11									
	80	61	37044	405220	317838	723058	-565110	-	1288168
	81	117	54669	1000129	415653	1415782	-5034548	-	6450330
	82	39	12819	221190	158970	380160	-2710782	-	3090942
	83	58	8408	457526	225572	683098	-1625984	-	2309082
	84	38	369	28161	184081	212242	-114988	-	327230
	85	62	36093	295599	456353	751952	-6722733	-	7474685
	90	27	914	31445	23463	54908	-8109	-	63017
	91	66	4139	414988	87521	502509	-90613	-	593122
	92	75	1063	3843	184231	188074	-46910	-	234984
	93	67	1728	30014	107206	137220	-67195	-	204415
	94	55	8628	39054	141387	180441	-633204	-	813645
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	605357	192719	798076	-607821	-	1405897
	98	97	1908	241525	185991	427516	-131468	-	558984
	99	189	5118	181259	257517	438776	-67292	-	506068
Total:		1233	234640	4874828	3697640	8572468	-20124450	720165	29417083
AL21									
	80	61	37045	457723	248628	706351	-565114	-	1271465
	81	117	54765	1013263	388962	1402225	-5044849	-	6447074
	82	39	12819	265691	114469	380160	-2710782	-	3090942
	83	58	8633	473614	173777	647391	-1670907	-	2318298
	84	38	616	119713	97603	217316	-262677	-	479993
	85	62	36093	391622	360330	751952	-6722733	-	7474685
	90	27	914	39844	15064	54908	-8109	-	63017
	91	66	4546	484452	31395	515847	-94773	-	610620
	92	75	1211	29900	104596	134496	-55280	-	189776
	93	67	1744	31993	75893	107886	-67898	-	175784
	94	55	8269	64753	81772	146525	-629123	-	775648
	95	35	12904	120206	10407	130613	-303606	-	434219
	96	150	20408	1854931	380149	2235080	-1412064	-	3647144
	97	97	28882	619845	162313	782158	-607821	-	1389979
	98	97	2049	288226	147039	435265	-139215	-	574480
	99	189	5261	249190	142813	392003	-70090	-	462093
Total:		1233	236159	6504966	2535210	9040176	-20365041	0	29405217

Key To BLM Districts Identification Numbers  
Used in the Initial Attack Analysis

80 - Winnemucca	84 - Salmon	92 - Ceder City	96 - Carson City
81 - Boise	85 - Shoshone	93 - Richfield	97 - Elko
82 - Burley	90 - Vernal	94 - Salt lake	98 - Ely
83 - Idaho Falls	91 - Moab	95 - Battle Mountain	99 - Las Vegas

Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL31									
	80	61	37044	372146	355737	727883	-565110	-	1292993
	81	117	54669	1000129	415653	1415782	-5034548	-	6450330
	82	39	12819	219469	160691	380160	-2710782	-	3090942
	83	58	8405	456705	231598	688303	-1625430	-	2313733
	84	38	369	28161	184081	212242	-114988	-	327230
	85	62	36093	295599	456353	751952	-6722733	-	7474685
	90	27	914	30849	24059	54908	-8109	-	63017
	91	66	4058	399267	87985	487252	-90188	-	577440
	92	75	1004	4585	250056	254641	-43763	-	298404
	93	67	1718	29939	116969	146908	-66564	-	213472
	94	55	8607	29336	172374	201710	-633051	-	834761
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	599816	204824	804640	-607821	-	1412461
	98	97	1890	230462	200627	431089	-131149	-	562238
	99	189	5124	184965	272473	457438	-67346	-	524784
Total:	1233		234454	4800946	3892618	8693564	-20119275	977390	29790229
AL32									
	80	61	37044	372146	355737	727883	-565110	-	1292993
	81	117	54669	1000129	415653	1415782	-5034548	-	6450330
	82	39	12819	221190	158970	380160	-2710782	-	3090942
	83	58	8408	457526	225572	683098	-1625984	-	2309082
	84	38	369	28161	184081	212242	-114988	-	327230
	85	62	36093	295599	456353	751952	-6722733	-	7474685
	90	27	914	31445	23463	54908	-8109	-	63017
	91	66	4139	414988	87521	502509	-90613	-	593122
	92	75	506	-3220	213739	210519	-26657	-	237176
	93	67	1717	29871	116748	146619	-66505	-	213124
	94	55	8616	26453	163410	189863	-633108	-	822971
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	601697	205640	807337	-607821	-	1415158
	98	97	1876	227717	206229	433946	-130290	-	564236
	99	189	5041	164342	282155	446497	-65583	-	512080
Total:	1233		233951	4787562	3854409	8641971	-20100524	898995	29641490
AL33									
	80	61	37044	372146	355737	727883	-565110	-	1292993
	81	117	54669	1000129	415653	1415782	-5034548	-	6450330
	82	39	12819	221190	158970	380160	-2710782	-	3090942
	83	58	8404	456643	234444	691087	-1625349	-	2316436
	84	38	341	29748	181899	211647	-106489	-	318136
	85	62	36093	295599	456353	751952	-6722733	-	7474685
	90	27	914	31445	23463	54908	-8109	-	63017
	91	66	4139	414988	87521	502509	-90613	-	593122
	92	75	1063	3843	184231	188074	-46910	-	234984
	93	67	1728	30014	107206	137220	-67195	-	204415
	94	55	8628	39054	141387	180441	-633204	-	813645
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	604956	193120	798076	-607821	-	1405897
	98	97	1908	241525	185991	427516	-131468	-	558984
	99	189	5118	181259	257517	438776	-67292	-	506068
Total:	1233		234608	4842057	3742630	8584687	-20115316	898385	29598388

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National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

		Annual Expected Values						AT	UNIT'S
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	PROG	ALT	
NO	NO	FREQ	SUPP	MISSION	SUPP	CHANGE	COST	COSTS	
			COST	COST	COST				
		ACRES							
AL40									
	80	61	37044	372146	355737	727883	-565110	-	1292993
	81	117	54738	1001782	417904	1419686	-5042356	-	6462042
	82	39	12819	221190	158970	380160	-2710782	-	3090942
	83	58	8408	457526	225572	683098	-1625984	-	2309082
	84	38	454	-3235	218052	214817	-166393	-	381210
	85	62	36093	305157	446795	751952	-6722733	-	7474685
	90	27	914	31445	23463	54908	-8109	-	63017
	91	66	4139	414988	87521	502509	-90613	-	593122
	92	75	1063	3934	190090	194024	-46910	-	240934
	93	67	1728	30014	107206	137220	-67195	-	204415
	94	55	8628	39054	141387	180441	-633204	-	813645
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	604956	193120	798076	-607821	-	1405897
	98	97	1908	241525	185991	427516	-131468	-	558984
	99	189	5118	181259	257517	438776	-67292	-	506068
Total:		1233	234794	4821259	3768463	8589722	-20183663	690937	29464322
AL41									
	80	61	37044	372146	355737	727883	-565110	-	1292993
	81	117	54669	1000129	415653	1415782	-5034548	-	6450330
	82	39	12819	219469	160691	380160	-2710782	-	3090942
	83	58	8405	456705	231598	688303	-1625430	-	2313733
	84	38	369	30001	182241	212242	-114988	-	327230
	85	62	36093	295599	456353	751952	-6722733	-	7474685
	90	27	914	30849	24059	54908	-8109	-	63017
	91	66	4058	399267	87985	487252	-90188	-	577440
	92	75	1004	4585	250056	254641	-43763	-	298404
	93	67	1718	29939	116969	146908	-66564	-	213472
	94	55	8607	29336	172374	201710	-633051	-	834761
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	600327	204313	804640	-607821	-	1412461
	98	97	1890	230462	200627	431089	-131149	-	562238
	99	189	5124	184965	272473	457438	-67346	-	524784
Total:		1233	234454	4803297	3890267	8693564	-20119275	1022300	29835139
AL42									
	80	61	37044	372146	355737	727883	-565110	-	1292993
	81	117	54669	1000129	415653	1415782	-5034548	-	6450330
	82	39	12819	221190	158970	380160	-2710782	-	3090942
	83	58	8408	457525	225514	683039	-1625984	-	2309023
	84	38	369	28161	184081	212242	-114988	-	327230
	85	62	36093	295599	456353	751952	-6722733	-	7474685
	90	27	914	31445	23463	54908	-8109	-	63017
	91	66	4139	415367	86245	501612	-90613	-	592225
	92	75	1057	5645	187703	193348	-46654	-	240002
	93	67	1728	30134	102515	132649	-67167	-	199816
	94	55	8619	40910	143535	184445	-633112	-	817557
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	605486	192114	797600	-607821	-	1405421
	98	97	2013	253740	182729	436469	-134627	-	571096
	99	189	5144	191261	238577	429838	-67499	-	497337
Total:		1233	234756	4868256	3712327	8580583	-20127440	977390	29685413

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National Airtanker Study  
 Summary By Alternative and Forest  
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 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S	
NO	NO	FREQ	ACRES	SUPP	MISSION	SUPP COST	PROG	ALT	
				COST	COST		COST	COSTS	
						CHANGE			
AL43									
80	61	37044	372146	355737	727883	-565110	-	1292993	
81	117	54565	988855	426286	1415141	-5034375	-	6449516	
82	39	12819	221190	158970	380160	-2710782	-	3090942	
83	58	8408	457526	225572	683098	-1625984	-	2309082	
84	38	369	30001	182241	212242	-114988	-	327230	
85	62	36093	295599	456353	751952	-6722733	-	7474685	
90	27	914	31445	23463	54908	-8109	-	63017	
91	66	4139	414988	87521	502509	-90613	-	593122	
92	75	506	-3220	213739	210519	-26657	-	237176	
93	67	1717	29871	116748	146619	-66505	-	213124	
94	55	8616	26453	163410	189863	-633108	-	822971	
95	35	12731	2351	138129	140480	-299820	-	440300	
96	150	20127	917167	621009	1538176	-1397873	-	2936049	
97	97	28882	602585	204752	807337	-607821	-	1415158	
98	97	1876	227717	206229	433946	-130290	-	564236	
99	189	5041	164342	282155	446497	-65583	-	512080	
Total:		1233	233847	4779016	3862314	8641330	-20100351	943905	29685586
AL44									
80	61	37044	372146	355737	727883	-565110	-	1292993	
81	117	54669	1000129	415653	1415782	-5034548	-	6450330	
82	39	12819	221190	158970	380160	-2710782	-	3090942	
83	58	8408	457526	225572	683098	-1625984	-	2309082	
84	38	369	28161	184081	212242	-114988	-	327230	
85	62	36093	295599	456353	751952	-6722733	-	7474685	
90	27	914	31445	23463	54908	-8109	-	63017	
91	66	4139	414988	87521	502509	-90613	-	593122	
92	75	996	8304	181360	189664	-43636	-	233300	
93	67	1728	30148	102141	132289	-67167	-	199456	
94	55	8627	39225	140743	179968	-633204	-	813172	
95	35	12731	2351	138129	140480	-299820	-	440300	
96	150	20127	917167	621009	1538176	-1397873	-	2936049	
97	97	28882	602458	195618	798076	-607821	-	1405897	
98	97	2003	250288	183370	433658	-134389	-	568047	
99	189	5112	191624	232567	424191	-66924	-	491115	
Total:		1233	234661	4862749	3702287	8565036	-20123701	898995	29587732
AL45									
80	61	37044	372146	355737	727883	-565110	-	1292993	
81	117	54669	1000129	415653	1415782	-5034548	-	6450330	
82	39	12819	221190	158970	380160	-2710782	-	3090942	
83	58	8402	456677	233981	690658	-1625064	-	2315722	
84	38	341	29748	181899	211647	-106489	-	318136	
85	62	36093	295599	456353	751952	-6722733	-	7474685	
90	27	914	31445	23463	54908	-8109	-	63017	
91	66	4139	414988	87521	502509	-90613	-	593122	
92	75	1063	3843	184231	188074	-46910	-	234984	
93	67	1728	30014	107206	137220	-67195	-	204415	
94	55	8628	39054	141387	180441	-633204	-	813645	
95	35	12731	2351	138129	140480	-299820	-	440300	
96	150	20127	917167	621009	1538176	-1397873	-	2936049	
97	97	28882	605357	192719	798076	-607821	-	1405897	
98	97	1908	241525	185991	427516	-131468	-	558984	
99	189	5118	181259	257517	438776	-67292	-	506068	
Total:		1233	234606	4842492	3741766	8584258	-20115031	919325	29618614

## Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
Summary By Alternative and Forest  
(Without Breakdown Of NVC)  
(Per Acre And Unit Mission Separate)

		Annual Expected Values							
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL46									
	80	61	37044	372146	355737	727883	-565110	-	1292993
	81	117	54669	1000129	415653	1415782	-5034548	-	6450330
	82	39	12819	221190	158970	380160	-2710782	-	3090942
	83	58	8400	455669	230296	685965	-1624530	-	2310495
	84	38	369	28170	184068	212238	-114988	-	327226
	85	62	36093	295599	456353	751952	-6722733	-	7474685
	90	27	914	31445	23463	54908	-8109	-	63017
	91	66	4139	414988	87521	502509	-90613	-	593122
	92	75	1063	3843	184231	188074	-46910	-	234984
	93	67	1728	30014	107206	137220	-67195	-	204415
	94	55	8628	39054	141387	180441	-633204	-	813645
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	605357	192719	798076	-607821	-	1405897
	98	97	1908	241525	185991	427516	-131468	-	558984
	99	189	5118	181259	257517	438776	-67292	-	506068
Total:		1233	234632	4839906	3740250	8580156	-20122996	889385	29592537
AL47									
	80	61	37044	372146	355737	727883	-565110	-	1292993
	81	117	54647	996753	424097	1420850	-5033491	-	6454341
	82	39	12819	221190	158970	380160	-2710782	-	3090942
	83	58	8405	456481	233357	689838	-1625375	-	2315213
	84	38	343	23877	186738	210615	-94696	-	305311
	85	62	36093	258256	493878	752134	-6722733	-	7474867
	90	27	914	31445	23463	54908	-8109	-	63017
	91	66	4139	414988	87521	502509	-90613	-	593122
	92	75	1063	3843	184231	188074	-46910	-	234984
	93	67	1728	30014	107206	137220	-67195	-	204415
	94	55	8628	39054	141387	180441	-633204	-	813645
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	594228	212221	806449	-607821	-	1414270
	98	97	1914	236624	203813	440437	-134050	-	574487
	99	189	5118	181259	257517	438776	-67292	-	506068
Total:		1233	234595	4779676	3829274	8608950	-20105074	753598	29467622
AL48									
	80	61	37043	380294	360527	740821	-565110	-	1305931
	81	117	54669	1000129	415653	1415782	-5034548	-	6450330
	82	39	12819	221190	158970	380160	-2710782	-	3090942
	83	58	8408	457526	225572	683098	-1625984	-	2309082
	84	38	369	28161	184081	212242	-114988	-	327230
	85	62	36093	295599	456353	751952	-6722733	-	7474685
	90	27	914	31445	23463	54908	-8109	-	63017
	91	66	4139	414988	87521	502509	-90613	-	593122
	92	75	1060	4938	183611	188549	-46790	-	235339
	93	67	1728	30048	107064	137112	-67195	-	204307
	94	55	8628	39054	141387	180441	-633204	-	813645
	95	35	12747	5095	136632	141727	-300172	-	441899
	96	150	20138	915373	616264	1531637	-1398194	-	2929831
	97	97	28882	606911	188230	795141	-607821	-	1402962
	98	97	2008	251508	185534	437042	-133778	-	570820
	99	189	5159	198901	232414	431315	-68004	-	499319
Total:		1233	234804	4881160	3703276	8584436	-20128025	773814	29486275

## Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

		Annual Expected Values							
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL49									
80	61		37044	381268	353214	734482	-565109	-	1299591
81	117		54669	1000129	415653	1415782	-5034548	-	6450330
82	39		12819	221190	158970	380160	-2710782	-	3090942
83	58		8408	457526	225572	683098	-1625984	-	2309082
84	38		369	28161	184081	212242	-114988	-	327230
85	62		36093	295599	456353	751952	-6722733	-	7474685
90	27		914	31445	23463	54908	-8109	-	63017
91	66		4139	414988	87521	502509	-90613	-	593122
92	75		1060	4938	183611	188549	-46790	-	235339
93	67		1728	30048	107064	137112	-67195	-	204307
94	55		8628	39054	141387	180441	-633204	-	813645
95	35		12747	5095	136632	141727	-300172	-	441899
96	150		20119	797783	710919	1508702	-1397257	-	2905959
97	97		28882	606911	188230	795141	-607821	-	1402962
98	97		2008	251508	185534	437042	-133778	-	570820
99	189		5159	198901	232414	431315	-68004	-	499319
Total:		1233	234786	4764544	3790618	8555162	-20127087	898995	29581244
AL50									
80	61		37044	372146	355737	727883	-565110	-	1292993
81	117		54649	999756	414815	1414571	-5033869	-	6448440
82	39		12819	200544	179616	380160	-2710782	-	3090942
83	58		8352	429838	258540	688378	-1615738	-	2304116
84	38		415	28552	189825	218377	-199306	-	417683
85	62		36093	277089	480916	758005	-6722733	-	7480738
90	27		914	31445	23463	54908	-8109	-	63017
91	66		4139	414988	87521	502509	-90613	-	593122
92	75		1056	2476	193733	196209	-46479	-	242688
93	67		1725	29812	117571	147383	-67120	-	214503
94	55		8616	26412	181281	207693	-633108	-	840801
95	35		12731	2351	138129	140480	-299820	-	440300
96	150		20127	917167	621009	1538176	-1397873	-	2936049
97	97		28882	600076	205290	805366	-607821	-	1413187
98	97		1909	236065	203216	439281	-132084	-	571365
99	189		5127	187988	263743	451731	-67335	-	519066
Total:		1233	234598	4756705	3914405	8671110	-20197900	756093	29625103
AL60									
80	61		37044	372146	355737	727883	-565110	-	1292993
81	117		54662	996116	426333	1422449	-5035205	-	6457654
82	39		12819	221190	158970	380160	-2710782	-	3090942
83	58		8405	456481	233357	689838	-1625375	-	2315213
84	38		502	48453	180352	228805	-228584	-	457389
85	62		36093	258256	493878	752134	-6722733	-	7474867
90	27		914	31445	23463	54908	-8109	-	63017
91	66		4139	414988	87521	502509	-90613	-	593122
92	75		1063	3843	184231	188074	-46910	-	234984
93	67		1728	30014	107206	137220	-67195	-	204415
94	55		8628	39054	141387	180441	-633204	-	813645
95	35		12731	2351	138129	140480	-299820	-	440300
96	150		20127	917167	621009	1538176	-1397873	-	2936049
97	97		28882	597296	208527	805823	-607821	-	1413644
98	97		1914	238008	202228	440236	-134050	-	574286
99	189		5118	181259	257517	438776	-67292	-	506068
Total:		1233	234769	4808067	3819845	8627912	-20240676	750165	29618753

Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

ALT NO	UN NO	FREQ	ACRES	Annual Expected Values			NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
				ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST			
AL61	80	61	37044	372146	355737	727883	-565110	-	1292993
	81	117	54647	996753	424097	1420850	-5033491	-	6454341
	82	39	12819	221190	158970	380160	-2710782	-	3090942
	83	58	8405	456481	233357	689838	-1625375	-	2315213
	84	38	343	23877	186738	210615	-94696	-	305311
	85	62	36093	258256	493878	752134	-6722733	-	7474867
	90	27	914	31445	23463	54908	-8109	-	63017
	91	66	4139	414988	87521	502509	-90613	-	593122
	92	75	1063	3843	184231	188074	-46910	-	234984
	93	67	1728	30014	107206	137220	-67195	-	204415
	94	55	8628	39054	141387	180441	-633204	-	813645
	95	35	12731	2351	138129	140480	-299820	-	440300
	96	150	20127	917167	621009	1538176	-1397873	-	2936049
	97	97	28882	597296	208527	805823	-607821	-	1413644
	98	97	1914	237988	202321	440309	-134050	-	574359
	99	189	5118	181259	257517	438776	-67292	-	506068
Total:			1233 234595	4784108	3824088	8608196	-20105074	901727	29614997



## Great Basin Geographic Area - Bureau of Land Management - Apendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL11									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.67	0.45	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.63	0.18	0.24	0.09	97.30
	99	149.90	27.70	7.27	1.91	0.00	2.12	0.00	188.90
	Total:	674.69	299.41	137.89	53.88	34.29	22.46	11.71	1234.33
AL21									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	51.68	37.52	10.78	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.61	4.49	0.00	1.57	0.36	58.42
	84	23.19	7.41	5.51	1.09	0.64	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.42	0.26	0.23	66.40
	92	52.25	14.81	6.83	0.53	0.77	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	12.19	6.90	5.80	1.57	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.00	4.17	1.89	0.69	34.70
	96	110.60	16.28	14.79	2.22	4.02	1.53	0.67	150.11
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.62	0.18	0.24	0.10	97.30
	99	149.90	27.70	6.65	2.53	0.00	2.12	0.00	188.90
	Total:	674.07	283.47	152.77	54.92	34.72	22.67	11.72	1234.34
AL31									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	18.83	3.35	1.02	2.50	0.18	0.23	66.39
	92	52.26	16.05	5.93	0.36	0.61	0.20	0.00	75.41
	93	34.06	12.54	14.21	6.29	0.10	0.08	0.01	67.29
	94	27.14	12.50	6.27	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	18.02	3.94	1.58	0.18	0.24	0.09	97.31
	99	149.90	27.70	7.65	1.53	0.00	2.12	0.00	188.90
	Total:	674.70	302.03	135.84	53.38	34.22	22.46	11.71	1234.34

## Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL32									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	61.36	10.27	2.82	0.34	0.61	0.02	0.00	75.42
	93	34.06	12.54	14.21	6.29	0.10	0.08	0.01	67.29
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	18.64	3.32	1.58	0.18	0.24	0.09	97.31
	99	149.90	29.05	7.00	0.84	0.00	2.12	0.00	188.91
	Total:	683.80	296.69	133.00	52.67	34.22	22.28	11.71	1234.37
AL33									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	30.16	12.75	4.28	0.00	1.44	0.36	58.40
	84	23.81	12.52	0.69	0.47	0.37	0.06	0.00	37.92
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.67	0.45	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.63	0.18	0.24	0.09	97.30
	99	149.90	27.70	7.27	1.91	0.00	2.12	0.00	188.90
	Total:	674.69	299.83	137.70	53.66	34.29	22.46	11.71	1234.34
AL40									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	52.64	36.75	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.19	9.17	4.26	0.79	0.42	0.06	0.00	37.89
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.67	0.45	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.63	0.18	0.24	0.09	97.30
	99	149.90	27.70	7.27	1.91	0.00	2.12	0.00	188.90
	Total:	674.07	295.33	142.43	53.98	34.34	22.46	11.71	1234.32

## Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL41									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	18.83	3.35	1.02	2.50	0.18	0.23	66.39
	92	52.26	16.05	5.93	0.36	0.61	0.20	0.00	75.41
	93	34.06	12.54	14.21	6.29	0.10	0.08	0.01	67.29
	94	27.14	12.50	6.27	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	18.02	3.94	1.58	0.18	0.24	0.09	97.31
	99	149.90	27.70	7.65	1.53	0.00	2.12	0.00	188.90
	Total:	674.70	302.03	135.84	53.38	34.22	22.46	11.71	1234.34
AL42									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.48	6.38	0.43	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.62	0.18	0.24	0.10	97.30
	99	149.90	27.70	7.16	2.02	0.00	2.12	0.00	188.90
	Total:	674.69	299.72	137.49	53.96	34.29	22.46	11.72	1234.33
AL43									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	5.03	53.44	35.78	9.85	4.22	6.41	2.27	117.00
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	61.36	10.27	2.82	0.34	0.61	0.02	0.00	75.42
	93	34.06	12.54	14.21	6.29	0.10	0.08	0.01	67.29
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	18.64	3.32	1.58	0.18	0.24	0.09	97.31
	99	149.90	29.05	7.00	0.84	0.00	2.12	0.00	188.91
	Total:	684.70	296.52	133.00	51.93	34.22	22.28	11.71	1234.36

## Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL44									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	61.30	7.93	5.01	0.36	0.61	0.20	0.00	75.41
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	18.02	3.88	1.62	0.18	0.24	0.10	97.30
	99	149.90	28.19	7.12	1.58	0.00	2.12	0.00	188.91
	Total:	683.74	292.87	135.87	53.45	34.25	22.46	11.72	1234.36
AL45									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	30.16	12.75	4.28	0.00	1.44	0.36	58.40
	84	23.81	12.52	0.69	0.47	0.37	0.06	0.00	37.92
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.67	0.45	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.63	0.18	0.24	0.09	97.30
	99	149.90	27.70	7.27	1.91	0.00	2.12	0.00	188.90
	Total:	674.69	299.83	137.70	53.66	34.29	22.46	11.71	1234.34
AL46									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	30.16	12.75	4.28	0.00	1.44	0.36	58.40
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.67	0.45	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.63	0.18	0.24	0.09	97.30
	99	149.90	27.70	7.27	1.91	0.00	2.12	0.00	188.90
	Total:	674.69	299.59	137.70	53.88	34.29	22.46	11.71	1234.32

Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL47									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	55.06	34.34	10.59	4.22	6.41	2.27	117.02
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.43	0.69	0.56	0.36	0.06	0.00	37.91
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.67	0.45	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.63	0.18	0.24	0.09	97.30
	99	149.90	27.70	7.27	1.91	0.00	2.12	0.00	188.90
	Total:	674.69	301.01	136.45	53.75	34.28	22.46	11.71	1234.35
AL48									
	80	36.57	6.44	6.51	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.69	0.43	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	18.02	3.88	1.62	0.18	0.24	0.10	97.30
	99	149.90	27.70	7.11	2.07	0.00	2.12	0.00	188.90
	Total:	674.69	299.65	137.51	54.01	34.29	22.46	11.72	1234.33
AL49									
	80	36.57	6.44	6.51	4.94	3.16	0.00	3.16	60.78
	81	4.13	53.61	35.78	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.28	0.69	0.69	0.37	0.06	0.00	37.90
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.69	0.43	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.46	5.60	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	18.02	3.88	1.62	0.18	0.24	0.10	97.30
	99	149.90	27.70	7.11	2.07	0.00	2.12	0.00	188.90
	Total:	674.69	299.73	137.43	54.01	34.29	22.46	11.72	1234.33

## Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL50									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	54.12	35.27	10.59	4.22	6.41	2.27	117.01
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.19	0.69	0.56	0.60	0.06	0.00	37.91
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.69	0.43	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.63	0.18	0.24	0.09	97.30
	99	149.90	27.70	7.60	1.58	0.00	2.12	0.00	188.90
	Total:	674.69	299.83	137.73	53.40	34.52	22.46	11.71	1234.34
AL60									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	54.87	34.53	10.59	4.22	6.41	2.27	117.02
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.19	11.36	1.64	1.00	0.64	0.06	0.00	37.89
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.67	0.45	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.63	0.18	0.24	0.09	97.30
	99	149.90	27.70	7.27	1.91	0.00	2.12	0.00	188.90
	Total:	674.07	299.75	137.59	54.19	34.56	22.46	11.71	1234.33
AL61									
	80	36.57	6.41	6.54	4.94	3.16	0.00	3.16	60.78
	81	4.13	55.06	34.34	10.59	4.22	6.41	2.27	117.02
	82	10.78	11.77	6.20	4.17	1.46	4.47	0.26	39.11
	83	9.41	29.98	12.94	4.28	0.00	1.44	0.36	58.41
	84	23.81	12.43	0.69	0.56	0.36	0.06	0.00	37.91
	85	21.24	19.74	11.04	3.31	2.81	1.50	2.07	61.71
	90	14.10	9.30	2.10	1.00	0.48	0.12	0.00	27.10
	91	40.28	17.93	4.26	1.02	2.50	0.18	0.23	66.40
	92	52.25	15.17	6.67	0.45	0.65	0.20	0.00	75.39
	93	34.06	12.54	14.21	6.27	0.13	0.08	0.01	67.30
	94	27.14	11.87	6.90	5.77	1.92	1.58	0.22	55.40
	95	19.78	5.20	2.97	0.48	3.70	1.89	0.69	34.71
	96	110.60	25.38	5.68	2.22	4.02	1.53	0.67	150.10
	97	47.38	22.72	10.55	5.15	8.69	0.64	1.68	96.81
	98	73.26	17.81	4.09	1.63	0.18	0.24	0.09	97.30
	99	149.90	27.70	7.27	1.91	0.00	2.12	0.00	188.90
	Total:	674.69	301.01	136.45	53.75	34.28	22.46	11.71	1234.35

## Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL11										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		13.42	22.52	12.34	6.81	8.88	5.99	3.64	73.60
	A5		15.74	20.88	27.88	24.70	16.42	12.21	8.40	126.23
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		29.16	43.40	40.22	31.51	25.30	18.20	12.04	199.83
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		29.16	43.40	40.22	31.51	25.30	18.20	12.04	199.83
-----Summary-----										
AL21										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----Summary-----										
AL40										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		10.33	15.36	11.65	6.11	7.77	5.19	4.35	60.76
	A5		19.58	23.38	33.10	25.86	17.21	12.94	8.54	140.61
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		29.91	38.74	44.75	31.97	24.98	18.13	12.89	201.37
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		29.91	38.74	44.75	31.97	24.98	18.13	12.89	201.37
-----Summary-----										
AL41										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		15.82	35.25	22.21	23.20	12.90	8.62	5.15	123.15
	A5		15.03	15.18	18.22	8.21	12.33	9.57	7.73	86.27
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		30.85	50.43	40.43	31.41	25.23	18.19	12.88	209.42
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		30.85	50.43	40.43	31.41	25.23	18.19	12.88	209.42
-----Summary-----										
AL42										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		13.42	19.08	9.39	6.04	8.74	4.50	4.47	65.64
	A5		16.24	25.17	31.68	26.46	16.56	13.70	8.42	138.23
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		29.66	44.25	41.07	32.50	25.30	18.20	12.89	203.87
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		29.66	44.25	41.07	32.50	25.30	18.20	12.89	203.87

## Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL43		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	37.91	44.01	20.13	18.90	11.57	8.02	4.83	145.37
		A5	16.23	15.99	19.24	12.16	13.82	10.64	8.17	96.25
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	54.14	60.00	39.37	31.06	25.39	18.66	13.00	241.62
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	54.14	60.00	39.37	31.06	25.39	18.66	13.00	241.62
-----Summary-----										
AL44		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	13.42	15.66	6.42	5.20	8.74	3.77	4.47	57.68
		A5	39.46	38.67	35.61	26.78	16.52	14.43	8.42	179.89
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	52.88	54.33	42.03	31.98	25.26	18.20	12.89	237.57
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	52.88	54.33	42.03	31.98	25.26	18.20	12.89	237.57
-----Summary-----										
AL45		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	13.42	22.93	12.39	8.90	8.88	6.06	4.50	77.08
		A5	15.74	20.67	27.65	22.85	16.24	12.09	8.38	123.62
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	29.16	43.60	40.04	31.75	25.12	18.15	12.88	200.70
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	29.16	43.60	40.04	31.75	25.12	18.15	12.88	200.70
-----Summary-----										
AL46		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	13.42	22.52	12.39	7.92	8.88	6.06	4.50	75.69
		A5	15.74	21.07	27.70	24.70	16.42	12.21	8.40	126.24
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	29.16	43.59	40.09	32.62	25.30	18.27	12.90	201.93
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	29.16	43.59	40.09	32.62	25.30	18.27	12.90	201.93
-----Summary-----										
AL47		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	13.42	26.05	16.49	13.70	12.61	8.83	6.92	98.02
		A5	15.74	18.79	22.96	18.17	12.65	9.46	6.07	103.84
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	29.16	44.84	39.45	31.87	25.26	18.29	12.99	201.86
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	29.16	44.84	39.45	31.87	25.26	18.29	12.99	201.86



## Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----										
AL48	80	A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.03	0.90	1.82	0.00	3.16	5.91
		A5	0.00	0.02	0.03	3.76	3.16	0.00	3.16	10.13
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.00	0.02	0.06	4.66	4.98	0.00	6.32	16.04
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			0.00	0.02	0.06	4.66	4.98	0.00	6.32	16.04
-----										
AL48	-----Summary-----									
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	19.84	21.83	6.81	6.04	8.74	3.99	4.65	71.90
		A5	0.71	20.71	27.90	29.37	18.70	14.21	8.42	120.02
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			20.55	42.54	34.71	35.41	27.44	18.20	13.07	191.92
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			20.55	42.54	34.71	35.41	27.44	18.20	13.07	191.92
-----										
AL49	-----Summary-----									
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	13.42	17.40	6.72	5.14	6.92	3.99	2.53	56.12
		A5	15.74	28.69	33.42	29.37	18.70	14.21	8.42	148.55
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			29.16	46.09	40.14	34.51	25.62	18.20	10.95	204.67
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			29.16	46.09	40.14	34.51	25.62	18.20	10.95	204.67
-----										
AL50	-----Summary-----									
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	13.42	30.08	22.41	24.46	13.75	13.17	7.69	124.98
		A5	15.74	14.74	18.27	8.49	11.47	4.97	5.19	78.87
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			29.16	44.82	40.68	32.95	25.22	18.14	12.88	203.85
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			29.16	44.82	40.68	32.95	25.22	18.14	12.88	203.85
-----										
AL60	-----Summary-----									
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	10.33	24.03	17.30	14.05	12.83	8.82	6.92	94.28
		A5	15.74	19.12	22.96	18.17	12.37	9.30	5.97	103.63
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			26.07	43.15	40.26	32.22	25.20	18.12	12.89	197.91
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			26.07	43.15	40.26	32.22	25.20	18.12	12.89	197.91

Great Basin Geographic Area - Bureau of Land Management - Appendix F

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
--------	-------	-------	-----------	--------------	--------------	---------------	---------------	---------------	-------	-------

AL61		-----Summary-----								
	A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3	13.42	26.05	16.49	13.70	12.61	8.83	6.92		98.02
	A5	15.74	18.79	22.96	18.17	12.49	9.30	5.97		103.42
	A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
	Sum:	29.16	44.84	39.45	31.87	25.10	18.13	12.89		201.44
	A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
	Total:	29.16	44.84	39.45	31.87	25.10	18.13	12.89		201.44

Geographic Area Airtanker Program Cost Data and Detailed Reports for  
Initial Attack Analysis

APPENDIX G.  
Northern Geographic Area



United States  
Department of  
Agriculture

Forest  
Service

R-1

Federal Building  
P.O. Box 7669  
Missoula, MT 59807

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Reply To: 5170

Date: January 24, 1995

Subject: National Airtanker Study, Reply to your letter 11/22/94

To: Chief

After running the various scenarios we have selected Alternatives 01 and/or 45 as the preferred options for the next round of airtanker contracts. The 01 alternative is the current program of 5 tankers and 45 is the same numbers and base configuration as the current with the Missoula tanker upgraded to a 3000 gallon turbine class.

In considering the alternatives for a more cost efficient program we found as the up front fixed cost was lowered by reducing numbers or size class the acres burned and total suppression cost went up. The option of converting to more turbine class aircraft did not show a real advantage except at Missoula where an acreage reduction could be had at a slight up front and total cost increase.

The BLM tanker stationed in Billings was not included in the analysis as there is a lack of reliable initial attack data on the East side of the Northern Rockies for adequate analysis. The data we do have from the Custer National Forest does show that the MEL is dependant on the use of an airtanker from Billings. A position paper prepared by the Interior Agencies in Billings proposes to drop the tanker. The recommendation is based on the lack of initial attack use being made of it and the reliance on other tankers from other bases for their large fire support. We cannot support this in theory or practice as it would deplete the rest of the fleet intended for initial attack purposes and require more tankers for large escape fire support. The MEL target for the Custer would not be attainable and we disapprove of the trade-offs being made between initial attack and large fire support.

We do not have data for the Greater Yellowstone Area but understand that the Region 4 forests are showing a need for a tanker out of West Yellowstone. There has historically been an airtanker available (presuppression, severity, or move-up) and the actual use over the past 20 years supports their findings. We would be supportive of a tanker placement at West Yellowstone based on historical use and suspect that our NFMS date will substantiate this once it is obtained.

For additional technical data information contact Howard Roose, and Joe Wagenfehr for airtanker program direction.

Dick Bacon, Director A&FM

cc: BLM Billings, Forest Supervisors R-1, A&FM R-4



UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
Office of Fire and Aviation  
3833 S. Development Avenue  
Boise, Idaho 83705-5354

FEB 9 - 1995

In Reply Refer To:  
9400 (RP-120)

Memorandum

To: Chair, National Air Tanker Study  
From: Director, Office of Fire and Aviation  
Subject: Bureau's Recommendations to the National Air Tanker Study (NATS)

The following are the Bureau of Land Management's (BLM) recommendations to the NATS on location and type (turbine vs. recip) of Office of Aircraft Services (OAS) contracted air tankers for the 1996 contract. We have compiled all of the recommendations for each state in this letter. This information should agree with the geographic area representative's information.

Our recommendations are:

Montana - Retain the air tanker at Billings. Provide the funding to upgrade the base to standards.

Idaho - Retain the air tanker at Pocatello. Upgrade to a turbine aircraft.

Nevada - By rank, our first priority is to add an air tanker at Battle Mountain for a total of three air tankers in the State. If air tanker availability and funding do not allow this additional air tanker there, then we recommend that a shared contract be pursued (perhaps with Alaska). For phase two of the study, we will want to seriously look at moving the air tanker base at Stead to another base, perhaps Battle Mountain.

Colorado - No changes in air tankers.

California - Move the air tanker from Porterville to Mather.

Alaska - No change in air tankers in Alaska. We do recommend that a shared contract be pursued between the States of Alaska (Fairbanks) and Nevada (Battle Mountain). The contracted air tanker would move down from Alaska around the end of July.

Minnesota - No change in air tankers. The Bureau of Indian Affairs will add one additional pit to the Bemidji Tanker Base.

We have made no recommendations concerning the 1000-2000 gallon air tankers or night capabilities. We feel these needs can be better addressed in phase two. We also recommend that phase two address the single engine air tanker issue. These recommendations are based on some analytical data and subjective analysis. We do not see any major changes for the 1996-98 contract period.

If you have any questions concerning this information, please contact Gary Johnson (BLM) at 907-356-5523 or John Piekarski (OAS) at 208-387-5776, our representatives for the study.

SC ALT		FREQ	ACRES	ESC FFF	UMC	TOT FFF	NVC	AT PG CT	TOTAL	\$\$ DIFF	AC DIFF	ALT	ALT-Y	DESCRIPTION	TOTAL D-F FIRES	TOTAL Q FIRES	TOTAL AT DISP
1	01	563	4497	4853207	1414227	6267434	-831355	680867	7779656	-----	-----			1995 Contract	4.75	0.08	38.52
2	20	563	6270	6267961	935273	7203234	-1065276	0	8266510	-488854	-1773	01-20		No airtankers	7.34	0.08	0.00
3	31	563	4900	5171011	1458017	6629028	-832683	665867	8127578	-347922	-403	01-31		GVL->COE	5.45	0.08	38.52
3	32	563	4515	4861928	1414841	6276769	-835919	645867	7758555	21101	-18	01-32		KAL->MSO	4.83	0.08	39.76
3	33	563	4557	4970678	1457271	6427949	-842365	630867	7901181	-121525	-60	01-33		GVL->COE+KAL->MSO	5.25	0.08	39.62
4	41	563	4536	4882529	1411554	6294083	-833330	658412	7785825	-6169	-39	01-41		All Recips	4.83	0.08	38.34
4	42	563	4531	4868431	1356730	6225161	-830637	691346	7747144	38681	5	41-42		T-3000 @ COE	4.83	0.08	44.06
4	43	563	4526	4882708	1414324	6297032	-833275	680867	7811174	-25349	0	41-43		T-3000 @ HEL	4.83	0.08	38.41
4	44	563	4535	4874000	1415855	6289955	-833025	686356	7809236	-23411	1	41-44		T-3000 @ KAL	4.83	0.08	39.79
4	45	563	4432	4775752	1619670	6395422	-841467	685957	7922746	-136921	104	41-45		T-3000 @ MSO	4.73	0.08	42.72
5	51	563	4878	5114550	1223740	6338290	-1001591	553997	7893878	-114222	-381	01-51		Cut HEL	4.95	0.08	36.47
5	52	563	4987	5205745	1224866	6430611	-1009647	558569	7988827	-219171	-470	01-52		Cut GVL	5.17	0.08	32.64
5	53	563	4858	5106302	1224813	6331115	-1002229	534595	7867939	-88283	-361	01-53		Cut KAL	4.96	0.08	36.32
5	54	563	4996	5163410	1202293	6365703	-1030110	556582	7952395	-172739	-409	01-54		Cut MSO	5.04	0.08	25.54

**ALTERNATIVES**

Alt. No.	Alternative	COE	GVL	KAL	MSO	HEL	MCL
011	1995 CONTRACT	R-2200	R-2200	R-2200	R-2200	T-3000	T-3000
020	NO AIRTANKERS						
031	MOVE GVL TO COE	R-2200 R-2200	R-2200	R-2200	T-3000	T-3000	
032	MOVE KAL TO MSO	R-2200	R-2200		R-2200 R-2200	T-3000	T-3000
033	BOTH 031 & 032	R-2200 R-2200			R-2200 R-2200	T-3000	T-3000
041	RECIPS ALL BASES	R-2200	R-2200	R-2200	R-2200	R-2200	R-2200
042	TURB. @ COE	T-3000	R-2200	R-2200	R-2200	R-2200	R-2200
043	TURB. @ HEL	R-2200	R-2200	R-2200	R-2200	T-3000	R-2200
044	TURB. @ KAL	R-2200	R-2200	T-3000	R-2200	R-2200	R-2200
045	TURB. @ MSO	R-2200	R-2200	R-2200	T-3000	R-2200	R-2200
051	DROP HEL	R-2200	R-2200	R-2200	R-2200		T-3000
052	DROP GVL	R-2200		R-2200	R-2200	T-3000	T-3000
053	DROP KAL	R-2200	R-2200		R-2200	T-3000	T-3000
054	DROP MSO	R-2200	R-2200	R-2200		T-3000	T-3000

COE - COEUR D ALENE      MSO - MISSOULA  
 GVL - GRANGEVILLE      HEL - HELENA  
 KAL - KALISPELL          MCL - McCALL



**AIRTANKER PROGRAM COSTS**

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
10 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
Kalispell	\$0	\$35,000	56	R2200	\$111,272	\$146,272
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0				\$0	\$0
Helena	\$0	\$15,000	45	T3000	\$111,870	\$126,870
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$680,867

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
20 Coeur d Alene #1	\$0				\$0	\$0
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0				\$0	\$0
Kalispell	\$0				\$0	\$0
Missoula #1	\$0				\$0	\$0
Missoula #2	\$0				\$0	\$0
Helena	\$0				\$0	\$0
West Yellowstone	\$0				\$0	\$0

Forest Service Total = \$0

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
31 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0		54	R2200	\$107,298	\$107,298
Grangeville	\$0				\$0	\$0
Kalispell	\$0	\$35,000	56	R2200	\$111,272	\$146,272
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0				\$0	\$0
Helena	\$0	\$15,000	45	T3000	\$111,870	\$126,870
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$665,867

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
32 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
Kalispell	\$0				\$0	\$0
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0		56	R2200	\$111,272	\$111,272
Helena	\$0	\$15,000	45	T3000	\$111,870	\$126,870
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$645,867

**AIRTANKER PROGRAM COSTS**

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
33 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0		54	R2200	\$107,298	\$107,298
Grangeville	\$0				\$0	\$0
Kalispell	\$0				\$0	\$0
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0		56	R2200	\$111,272	\$111,272
Helena	\$0	\$15,000	45	T3000	\$111,870	\$126,870
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$630,867

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
41 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
Kalispell	\$0	\$35,000	56	R2200	\$111,272	\$146,272
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0				\$0	\$0
Helena	\$0	\$15,000	45	R2200	\$89,415	\$104,415
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$658,412

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
42 Coeur d Alene #1	\$0	\$15,000	66	T3000	\$164,076	\$179,076
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
Kalispell	\$0	\$35,000	56	R2200	\$111,272	\$146,272
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0				\$0	\$0
Helena	\$0	\$15,000	45	R2200	\$89,415	\$104,415
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$691,346

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
43 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
Kalispell	\$0	\$35,000	56	R2200	\$111,272	\$146,272
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0				\$0	\$0
Helena	\$0	\$15,000	45	T3000	\$111,870	\$126,870
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$680,867

Northern Geographic Area - Appendix G

**AIRTANKER PROGRAM COSTS**

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
44 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
Kalispell	\$0	\$35,000	56	T3000	\$139,216	\$174,216
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0				\$0	\$0
Helena	\$0	\$15,000	45	R2200	\$89,415	\$104,415
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$686,356

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
45 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
Kalispell	\$0	\$35,000	56	R2200	\$111,272	\$146,272
Missoula #1	\$0	\$15,000	55	T3000	\$136,730	\$151,730
Missoula #2	\$0				\$0	\$0
Helena	\$0	\$15,000	45	R2200	\$89,415	\$104,415
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$685,857

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
51 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
Kalispell	\$0	\$35,000	56	R2200	\$111,272	\$146,272
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0				\$0	\$0
Helena	\$0				\$0	\$0
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$553,997

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
52 Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
Coeur d Alene #2	\$0				\$0	\$0
Grangeville	\$0				\$0	\$0
Kalispell	\$0	\$35,000	56	R2200	\$111,272	\$146,272
Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
Missoula #2	\$0				\$0	\$0
Helena	\$0	\$15,000	45	T3000	\$111,870	\$126,870
West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$558,569

**AIRTANKER PROGRAM COSTS**

Forest Service	Alt. Airtanker Base	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
	53						
	Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
	Coeur d Alene #2	\$0				\$0	\$0
	Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
	Kalispell	\$0				\$0	\$0
	Missoula #1	\$0	\$15,000	55	R2200	\$109,285	\$124,285
	Missoula #2	\$0				\$0	\$0
	Helena	\$0	\$15,000	45	T3000	\$111,870	\$126,870
	West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$534,595

Forest Service	Alt. Airtanker Base	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
	54						
	Coeur d Alene #1	\$0	\$15,000	66	R2200	\$131,142	\$146,142
	Coeur d Alene #2	\$0				\$0	\$0
	Grangeville	\$0	\$15,000	54	R2200	\$107,298	\$122,298
	Kalispell	\$0	\$35,000	56	R2200	\$111,272	\$146,272
	Missoula #1	\$0				\$0	\$0
	Missoula #2	\$0				\$0	\$0
	Helena	\$0	\$15,000	45	T3000	\$111,870	\$126,870
	West Yellowstone	\$0	\$15,000			\$0	\$15,000

Forest Service Total = \$556,582

Northern Geographic Area - Appendix G

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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 Annual Expected Values  
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ALT	UN NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL01		563	4497	4853207	1414227	6267434	-831355	680867	7779656	
AL20		563	6270	6267961	935273	7203234	-1065276	0	8268510	
AL31		563	4900	5171011	1458017	6629028	-832683	665867	8127578	
AL32		563	4515	4861928	1414841	6276769	-835919	645867	7758555	
AL33		563	4557	4970678	1457271	6427949	-842365	630867	7901181	
AL41		563	4536	4882529	1411554	6294083	-833330	658412	7785825	
AL42		563	4531	4868431	1356730	6225161	-830637	691346	7747144	
AL43		563	4536	4882708	1414324	6297032	-833275	680867	7811174	
AL44		563	4535	4874000	1415855	6289855	-833025	686356	7809236	
AL45		563	4432	4775752	1619670	6395422	-841467	685857	7922746	
AL51		563	4878	5114550	1223740	6338290	-1001591	553997	7893878	
AL52		563	4967	5205745	1224866	6430611	-1009647	558569	7998827	
AL53		563	4858	5106302	1224813	6331115	-1002229	534595	7867939	
AL54		563	4906	5163410	1202293	6365703	-1030110	556582	7952395	

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL01		451.51	99.33	7.75	2.63	1.11	1.01	0.08	563.42
AL20		440.13	107.06	8.81	2.77	3.43	1.14	0.08	563.42
AL31		451.51	98.64	7.75	2.63	1.81	1.01	0.08	563.43
AL32		451.51	99.33	7.67	2.69	1.13	1.01	0.08	563.42
AL33		451.30	98.74	8.05	2.63	1.72	0.90	0.08	563.42
AL41		451.51	99.33	7.67	2.63	1.17	1.03	0.08	563.42
AL42		451.21	99.82	7.48	2.63	1.17	1.03	0.08	563.42
AL43		451.51	99.33	7.67	2.63	1.17	1.03	0.08	563.42
AL44		451.51	99.33	7.68	2.63	1.17	1.03	0.08	563.43
AL45		452.27	98.98	7.38	2.63	1.08	1.02	0.08	563.44
AL51		451.06	99.22	8.13	2.69	1.20	1.06	0.08	563.44
AL52		451.06	99.42	7.70	2.69	1.36	1.12	0.08	563.43
AL53		450.86	99.67	7.85	2.70	1.18	1.08	0.08	563.42
AL54		447.85	102.31	8.15	2.77	1.18	1.09	0.08	563.43

Northern Geographic Area - Appendix G

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL01			19.60	12.48	4.76	0.64	0.62	0.34	0.08	38.52
AL20			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL31			19.60	11.78	4.76	0.64	1.32	0.34	0.08	38.52
AL32			19.60	13.65	4.95	0.60	0.55	0.33	0.08	39.76
AL33			19.60	12.93	4.92	0.64	1.23	0.22	0.08	39.62
AL41			19.60	12.40	4.60	0.64	0.66	0.36	0.08	38.34
AL42			19.30	16.23	6.77	0.79	0.56	0.33	0.08	44.06
AL43			19.60	12.47	4.60	0.64	0.66	0.36	0.08	38.41
AL44			19.60	13.58	4.89	0.64	0.64	0.36	0.08	39.79
AL45			21.81	12.84	6.13	0.90	0.60	0.35	0.09	42.72
AL51			19.13	11.10	4.75	0.62	0.52	0.28	0.07	36.47
AL52			16.73	9.98	4.42	0.69	0.59	0.19	0.04	32.64
AL53			18.93	11.11	4.53	0.70	0.64	0.33	0.08	36.32
AL54			12.91	7.89	3.39	0.43	0.53	0.33	0.06	25.54

Key To National Forest Identification Numbers  
Used in the Initial Attack Analysis

- 04-Idaho Panhandle NF
- 05-Clearwater NF
- 10-Flathead NF
- 12-Helena NF
- 16-Lolo NF
- 17-Nez Perce

Northern Geographic Area - Appendix G

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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Annual Expected Values											
ALT	NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS	
-----											
AL01											
	04	121		305	949678	673243	1622921	-138757	-	1761678	
	05	92		327	689666	203971	893637	-61255	-	954892	
	10	57		559	800464	67558	868022	-273102	-	1141124	
	12	27		497	240854	56481	297335	-224586	-	521921	
	16	131		430	555209	155287	710496	-78163	-	788659	
	17	135		2379	1617336	257687	1875023	-55492	-	1930515	
	Total:			563	4497	4853207	1414227	6267434	-831355	680867	7779656
AL20											
	04	121		365	1094408	216663	1311071	-158462	-	1469533	
	05	92		332	717716	187605	905321	-63102	-	968423	
	10	57		805	887106	65547	952653	-420219	-	1372872	
	12	27		585	312571	53553	366124	-243523	-	609647	
	16	131		461	587197	131344	718541	-92811	-	811352	
	17	135		3722	2668963	280561	2949524	-87159	-	3036683	
	Total:			563	6270	6267961	935273	7203234	-1065276	0	8268510
AL31											
	04	121		305	949678	673243	1622921	-138757	-	1761678	
	05	92		329	709870	204446	914316	-62567	-	976883	
	10	57		559	800464	67558	868022	-273102	-	1141124	
	12	27		497	240854	56481	297335	-224586	-	521921	
	16	131		430	555198	155920	711118	-78160	-	789278	
	17	135		2780	1914947	300369	2215316	-55511	-	2270827	
	Total:			563	4900	5171011	1458017	6629028	-832683	665867	8127578
AL32											
	04	121		305	949678	673243	1622921	-138757	-	1761678	
	05	92		327	689666	203971	893637	-61255	-	954892	
	10	57		559	800310	67871	868181	-273093	-	1141274	
	12	27		497	240854	56481	297335	-224586	-	521921	
	16	131		429	546320	156848	703168	-77884	-	781052	
	17	135		2398	1635100	256427	1891527	-60344	-	1951871	
	Total:			563	4515	4861928	1414841	6276769	-835919	645867	7758555
AL33											
	04	121		305	949678	673243	1622921	-138757	-	1761678	
	05	92		329	709870	204446	914316	-62567	-	976883	
	10	57		570	809745	66899	876644	-273095	-	1149739	
	12	27		497	240854	56481	297335	-224586	-	521921	
	16	131		448	558887	155863	714750	-88558	-	803308	
	17	135		2408	1701644	300339	2001983	-54802	-	2056785	
	Total:			563	4557	4970678	1457271	6427949	-842365	620867	7891181

Northern Geographic Area - Appendix G

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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Annual Expected Values									
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
-----									
AL41									
	04	121	305	949678	673243	1622921	-138757	-	1761678
	05	92	327	689666	203971	893637	-61255	-	954892
	10	57	559	800411	67687	868098	-273091	-	1141189
	12	27	497	240678	53701	294379	-224641	-	519020
	16	131	430	555209	155287	710496	-78163	-	788659
	17	135	2418	1646887	257665	1904552	-57423	-	1961975
	Total:	563	4536	4882529	1411554	6294083	-833330	655412	7782825
AL42									
	04	121	303	940283	612849	1553132	-137199	-	1690331
	05	92	327	689666	203971	893637	-61255	-	954892
	10	57	560	801607	67780	869387	-273115	-	1142502
	12	27	497	241072	53255	294327	-224646	-	518973
	16	131	426	548916	161210	710126	-76999	-	787125
	17	135	2418	1646887	257665	1904552	-57423	-	1961975
	Total:	563	4531	4868431	1356730	6225161	-830637	691346	7747144
AL43									
	04	121	305	949678	673243	1622921	-138757	-	1761678
	05	92	327	689666	203971	893637	-61255	-	954892
	10	57	559	800411	67687	868098	-273091	-	1141189
	12	27	497	240854	56481	297335	-224586	-	521921
	16	131	430	555212	155277	710489	-78163	-	788652
	17	135	2418	1646887	257665	1904552	-57423	-	1961975
	Total:	563	4536	4882708	1414324	6297032	-833275	680867	7811174
AL44									
	04	121	305	949678	673243	1622921	-138757	-	1761678
	05	92	327	689666	203971	893637	-61255	-	954892
	10	57	559	800156	67877	868033	-272991	-	1141024
	12	27	497	240678	53701	294379	-224641	-	519020
	16	131	429	546935	159398	706333	-77958	-	784291
	17	135	2418	1646887	257665	1904552	-57423	-	1961975
	Total:	563	4535	4874000	1415855	6289855	-833025	686356	7809236
AL45									
	04	121	311	961508	882251	1843759	-143128	-	1986887
	05	92	329	692634	201782	894416	-61571	-	955987
	10	57	570	809518	66982	876500	-273069	-	1149569
	12	27	497	240719	57672	298391	-224641	-	523032
	16	131	415	498138	154358	652496	-81723	-	734219
	17	135	2310	1573235	256625	1829860	-57335	-	1887195
	Total:	563	4432	4775752	1619670	6395422	-841467	685857	7922746



Northern Geographic Area - Appendix G

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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Annual Expected Values									
ALT	UN		ACRE	ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S
NO	NO	FREQ		SUPP	MISSION	SUPP	CHANGE	PROG	ALT
				COST	COST	COST		COST	COSTS
-----									
AL51									
	04	121	360	1064654	487870	1552524	-153961	-	1706485
	05	92	327	689666	203971	893637	-61255	-	954892
	10	57	804	886335	67100	953435	-420038	-	1373473
	12	27	562	283672	54968	338640	-227431	-	566071
	16	131	430	556628	153237	709865	-78622	-	788487
	17	135	2395	1633595	256594	1890189	-60284	-	1950473
	Total:	563	4878	5114550	1223740	6338290	-1001591	553997	7893878
AL52									
	04	121	359	1061692	482419	1544111	-153749	-	1697860
	05	92	329	710049	202137	912186	-62567	-	974753
	10	57	804	886335	67100	953435	-420038	-	1373473
	12	27	497	240927	56085	297012	-224598	-	521610
	16	131	430	556631	153227	709858	-78622	-	788480
	17	135	2548	1750111	263898	2014009	-70073	-	2084082
	Total:	563	4967	5205745	1224866	6430611	-1009647	558569	7998827
AL53									
	04	121	360	1064654	487870	1552524	-153961	-	1706485
	05	92	327	689666	203971	893637	-61255	-	954892
	10	57	804	886177	67395	953572	-420029	-	1373601
	12	27	497	240854	56481	297335	-224586	-	521921
	16	131	436	561914	152102	714016	-80217	-	794233
	17	135	2434	1663037	256994	1920031	-62181	-	1982212
	Total:	563	4858	5106302	1224813	6331115	-1002229	534595	7867939
AL54									
	04	121	360	1064654	487870	1552524	-153961	-	1706485
	05	92	329	692988	198702	891690	-61571	-	953261
	10	57	804	886335	67100	953435	-420038	-	1373473
	12	27	520	269753	55066	324819	-240678	-	565497
	16	131	459	586643	136561	723204	-91681	-	814885
	17	135	2434	1663037	256994	1920031	-62181	-	1982212
	Total:	563	4906	5163410	1202293	6365703	-1030110	556582	7952395

Northern Geographic Area - Appendix G

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL01									
	04	88.60	29.64	2.45	0.27	0.03	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.83	0.21	0.19	0.11	0.00	57.02
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.91	18.36	2.45	0.27	0.21	0.00	0.02	131.22
	17	113.56	18.90	0.38	1.36	0.19	0.87	0.04	135.30
	Total:	451.51	99.33	7.75	2.63	1.11	1.01	0.08	563.42
AL20									
	04	88.60	29.54	2.54	0.27	0.04	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.75	10.90	0.79	0.21	0.19	0.16	0.00	57.00
	12	19.38	6.89	0.52	0.36	0.22	0.03	0.01	27.41
	16	107.63	20.27	2.80	0.28	0.21	0.01	0.02	131.22
	17	105.92	23.91	0.65	1.42	2.42	0.94	0.04	135.30
	Total:	440.13	107.06	8.81	2.77	3.43	1.14	0.08	563.42
AL31									
	04	88.60	29.64	2.45	0.27	0.03	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.83	0.21	0.19	0.11	0.00	57.02
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.91	18.36	2.45	0.27	0.21	0.00	0.02	131.22
	17	113.56	18.21	0.38	1.36	0.89	0.87	0.04	135.31
	Total:	451.51	98.64	7.75	2.63	1.81	1.01	0.08	563.43
AL32									
	04	88.60	29.64	2.45	0.27	0.03	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.83	0.21	0.19	0.11	0.00	57.02
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.91	18.36	2.45	0.27	0.21	0.00	0.02	131.22
	17	113.56	18.90	0.30	1.42	0.21	0.87	0.04	135.30
	Total:	451.51	99.33	7.67	2.69	1.13	1.01	0.08	563.42
AL33									
	04	88.60	29.64	2.45	0.27	0.03	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.62	10.80	1.10	0.21	0.19	0.11	0.00	57.03
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.91	18.36	2.44	0.27	0.21	0.01	0.02	131.22
	17	113.56	18.36	0.42	1.36	0.80	0.75	0.04	135.29
	Total:	451.30	98.74	8.05	2.63	1.72	0.90	0.08	563.42
AL41									
	04	88.60	29.64	2.45	0.27	0.03	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.83	0.21	0.19	0.11	0.00	57.02
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.91	18.36	2.45	0.27	0.21	0.00	0.02	131.22
	17	113.56	18.90	0.30	1.36	0.25	0.89	0.04	135.30
	Total:	451.51	99.33	7.67	2.63	1.17	1.03	0.08	563.42

## Northern Geographic Area - Appendix G

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL42									
	04	88.60	29.64	2.45	0.27	0.03	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.83	0.21	0.19	0.11	0.00	57.02
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.61	18.85	2.26	0.27	0.21	0.00	0.02	131.22
	17	113.56	18.90	0.30	1.36	0.25	0.89	0.04	135.30
	Total:	451.21	99.82	7.48	2.63	1.17	1.03	0.08	563.42
AL43									
	04	88.60	29.64	2.45	0.27	0.03	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.83	0.21	0.19	0.11	0.00	57.02
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.91	18.36	2.45	0.27	0.21	0.00	0.02	131.22
	17	113.56	18.90	0.30	1.36	0.25	0.89	0.04	135.30
	Total:	451.51	99.33	7.67	2.63	1.17	1.03	0.08	563.42
AL44									
	04	88.60	29.64	2.45	0.27	0.03	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.83	0.21	0.19	0.11	0.00	57.02
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.91	18.36	2.46	0.27	0.21	0.00	0.02	131.23
	17	113.56	18.90	0.30	1.36	0.25	0.89	0.04	135.30
	Total:	451.51	99.33	7.68	2.63	1.17	1.03	0.08	563.43
AL45									
	04	88.60	29.64	2.45	0.27	0.03	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.62	10.80	1.10	0.21	0.19	0.11	0.00	57.03
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	110.88	17.95	1.89	0.27	0.20	0.01	0.02	131.22
	17	113.56	19.01	0.30	1.36	0.17	0.87	0.04	135.31
	Total:	452.27	98.98	7.38	2.63	1.08	1.02	0.08	563.44
AL51									
	04	88.60	29.64	2.44	0.27	0.04	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.77	0.21	0.19	0.16	0.00	57.01
	12	20.76	5.65	0.44	0.29	0.22	0.03	0.01	27.40
	16	109.46	18.80	2.47	0.27	0.21	0.00	0.02	131.23
	17	113.56	18.73	0.50	1.42	0.19	0.87	0.04	135.31
	Total:	451.06	99.22	8.13	2.69	1.20	1.06	0.08	563.44
AL52									
	04	88.60	29.64	2.44	0.27	0.04	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.77	0.21	0.19	0.16	0.00	57.01
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.46	18.80	2.47	0.27	0.21	0.00	0.02	131.23
	17	113.56	18.55	0.38	1.42	0.43	0.93	0.04	135.31
	Total:	451.06	99.42	7.70	2.69	1.36	1.12	0.08	563.43

Northern Geographic Area - Appendix G

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----									
AL53									
	04	88.60	29.64	2.44	0.27	0.04	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.77	0.21	0.19	0.16	0.00	57.01
	12	20.76	6.03	0.13	0.29	0.14	0.03	0.01	27.39
	16	109.26	18.87	2.58	0.28	0.21	0.00	0.02	131.22
	17	113.56	18.73	0.42	1.42	0.25	0.89	0.04	135.31
	Total:	450.86	99.67	7.85	2.70	1.18	1.08	0.08	563.42
AL54									
	04	88.60	29.64	2.44	0.27	0.04	0.00	0.01	121.00
	05	73.85	15.55	1.51	0.23	0.35	0.00	0.00	91.49
	10	44.83	10.85	0.77	0.21	0.19	0.16	0.00	57.01
	12	19.38	7.27	0.21	0.36	0.14	0.03	0.01	27.40
	16	107.63	20.27	2.80	0.28	0.21	0.01	0.02	131.22
	17	113.56	18.73	0.42	1.42	0.25	0.89	0.04	135.31
	Total:	447.85	102.31	8.15	2.77	1.18	1.09	0.08	563.43

Northern Geographic Area - Appendix G

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL01		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.79	0.08	0.07	0.11	0.03	0.01	1.09
		A5	19.60	11.69	4.68	0.57	0.51	0.31	0.07	37.43
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		19.60	12.48	4.76	0.64	0.62	0.34	0.08	38.52
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		19.60	12.48	4.76	0.64	0.62	0.34	0.08	38.52
-----Summary-----										
AL20		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----Summary-----										
AL31		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	1.22	0.08	0.07	0.11	0.03	0.01	1.52
		A5	19.60	10.56	4.68	0.57	1.21	0.31	0.07	37.00
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		19.60	11.78	4.76	0.64	1.32	0.34	0.08	38.52
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		19.60	11.78	4.76	0.64	1.32	0.34	0.08	38.52
-----Summary-----										
AL32		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	1.17	0.08	0.07	0.09	0.03	0.01	1.45
		A5	19.60	12.48	4.87	0.53	0.46	0.30	0.07	38.31
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		19.60	13.65	4.95	0.60	0.55	0.33	0.08	39.76
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		19.60	13.65	4.95	0.60	0.55	0.33	0.08	39.76

Northern Geographic Area - Appendix G

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL33										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	1.22	0.08	0.07	0.11	0.03	0.01	1.52
	A5		19.60	11.71	4.84	0.57	1.12	0.19	0.07	38.10
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		19.60	12.93	4.92	0.64	1.23	0.22	0.08	39.62
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		19.60	12.93	4.92	0.64	1.23	0.22	0.08	39.62
-----Summary-----										
AL41										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		19.60	12.40	4.60	0.64	0.66	0.36	0.08	38.34
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		19.60	12.40	4.60	0.64	0.66	0.36	0.08	38.34
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		19.60	12.40	4.60	0.64	0.66	0.36	0.08	38.34
-----Summary-----										
AL42										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		5.20	7.75	3.13	0.26	0.10	0.00	0.01	16.45
	A5		14.10	8.48	3.64	0.53	0.46	0.33	0.07	27.61
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		19.30	16.23	6.77	0.79	0.56	0.33	0.08	44.06
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		19.30	16.23	6.77	0.79	0.56	0.33	0.08	44.06
-----Summary-----										
AL43										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.47	0.00	0.07	0.09	0.03	0.01	0.67
	A5		19.60	12.00	4.60	0.57	0.57	0.33	0.07	37.74
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		19.60	12.47	4.60	0.64	0.66	0.36	0.08	38.41
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		19.60	12.47	4.60	0.64	0.66	0.36	0.08	38.41

Northern Geographic Area - Appendix G

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL44		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.18	1.67	0.35	0.00	0.01	0.11	0.00	2.32
		A5	19.42	11.91	4.54	0.64	0.63	0.25	0.08	37.47
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			19.60	13.58	4.89	0.64	0.64	0.36	0.08	39.79
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			19.60	13.58	4.89	0.64	0.64	0.36	0.08	39.79
-----Summary-----										
AL45		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	8.79	4.55	2.83	0.53	0.16	0.01	0.03	16.90
		A5	13.02	8.29	3.30	0.37	0.44	0.34	0.06	25.82
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			21.81	12.84	6.13	0.90	0.60	0.35	0.09	42.72
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			21.81	12.84	6.13	0.90	0.60	0.35	0.09	42.72
-----Summary-----										
AL51		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.08	0.00	0.02	0.00	0.00	0.10
		A5	19.13	11.10	4.67	0.62	0.50	0.28	0.07	36.37
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			19.13	11.10	4.75	0.62	0.52	0.28	0.07	36.47
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			19.13	11.10	4.75	0.62	0.52	0.28	0.07	36.47
-----Summary-----										
AL52		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.79	0.00	0.07	0.17	0.05	0.01	1.09
		A5	16.73	9.19	4.42	0.62	0.42	0.14	0.03	31.55
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			16.73	9.98	4.42	0.69	0.59	0.19	0.04	32.64
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			16.73	9.98	4.42	0.69	0.59	0.19	0.04	32.64

Northern Geographic Area - Appendix G

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
-----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.79	0.00	0.07	0.17	0.05	0.01	1.09
	A5		18.93	10.32	4.53	0.63	0.47	0.28	0.07	35.23
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			18.93	11.11	4.53	0.70	0.64	0.33	0.08	36.32
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			18.93	11.11	4.53	0.70	0.64	0.33	0.08	36.32
-----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.79	0.00	0.07	0.17	0.05	0.01	1.09
	A5		12.91	7.10	3.39	0.36	0.36	0.28	0.05	24.45
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			12.91	7.89	3.39	0.43	0.53	0.33	0.06	25.54
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			12.91	7.89	3.39	0.43	0.53	0.33	0.06	25.54



Geographic Area Airtanker Program Cost Data and Detailed Reports for  
Initial Attack Analysis

APPENDIX H.  
Pacific Northwest Geographic Area

Pacific Northwest Area - Forest Service - Appendix H

PNW - ALL AGENCIES WITH JAA ANALYSIS

SC	ALT	FREQ	ACRES	ESC FFF	UMC	TOT FFF	NVC	AT PG CT	TOTAL	\$\$ DIFF	AC DIFF	ALTY	ALTX- ALTY	DESCRIPTION	FIRES	D-F FIRES	G FIRES	AT DISP
1	01	2412	46639	19462056	2312180	25909872	-31841624	2267166	60116892	---	---	---	---	1995 Contract	30.13	---	1.18	464.8
2	02	2412	62785	33093389	1978561	39223034	-45075661	0	84289895	-24180033	-16128	01-02	---	No Airtankers	42.92	---	1.85	0.0
3	03	2412	47828	20048556	2365153	26547345	-32869347	2346476	61763168	-1644508	-980	01-03	---	WEN to Moses Lake	30.16	---	1.20	464.8
3	04	2412	47528	19830069	2355554	26441259	-32711318	2346478	61489053	-1380391	-889	01-04	---	WEN to Yakima	29.85	---	1.20	465.5
3	24	2412	48639	19482058	2312180	25909872	-31941624	2340478	60197672	---	---	---	---	WEN With New ATB	32.85	---	1.36	442.4
4	05	2412	51594	23626637	2233228	30013527	-38102349	2047331	70163207	-9663235	-4855	24-05	---	All Recipe	32.25	---	1.33	450.4
4	06	2412	48988	22566715	2284372	28986723	-38601228	2108712	67974864	2188543	1596	05-06	---	T-3000 @ WEN	32.21	---	1.28	461.5
4	07	2412	50340	22902390	2239633	29241114	-36648836	2094736	67962668	2180521	1254	05-07	---	T-3000 @ RED	32.56	---	1.36	455.5
4	08	2412	51447	23351394	2250340	29735495	-37700102	2101722	69537319	628688	147	05-08	---	T-3000 @ KFS	31.98	---	1.25	446.7
4	09	2412	48387	22535679	2246041	28882320	-36786974	2095235	67747229	6215978	2207	05-09	---	T-3000 @ LAG	32.44	---	1.36	453.6
4	10	2412	51121	23100312	2254984	29512227	-37371588	2101722	68865517	1177890	473	05-10	---	T-3000 @ MFD	31.83	---	1.30	483.0
5	11	2412	50220	22114074	2316827	28573676	-36087216	1973787	68634656	-6438888	-3581	24-11	---	Cut 1 ea @ KFS,RED	31.81	---	1.30	444.5
5	12	2412	50258	22125258	2310439	28575192	-36004717	2018634	68686513	-6488541	-3619	24-12	---	Cut 1 ea @ KFS,WEN	32.39	---	1.36	447.7
5	13	2412	51388	23116566	2328946	29830891	-37868779	1844040	69541510	-9548358	-4749	24-13	---	Cut 1 ea @ LAG,MFD	29.79	---	1.18	453.0
6	14	2412	46513	19330578	2325155	25791389	-31896368	2619836	60307701	-109729	126	24-14	---	ADD 1 T3000 @ WEN	28.23	---	1.18	457.7
6	15	2412	46580	19398251	2318739	25853697	-31765507	2619836	60233140	-41168	49	24-15	---	ADD 1 T3000 @ RED	30.13	---	1.18	485.3
6	16	2412	46120	19448481	2306127	25998157	-31864686	2619836	60180782	17190	519	24-16	---	ADD 1 T3000 @ KFS	29.44	---	1.14	472.8
6	17	2412	48254	19387484	2365977	25866538	-31894775	2619836	60381249	-163277	385	24-17	---	ADD 1 T3000 @ LGD	30.03	---	1.18	464.4
6	18	2412	46252	19435841	2315141	25960945	-31641862	2619836	60222743	-24771	387	24-18	---	ADD 1 T3000 @ MFD	29.39	---	1.18	484.8
6	19	2412	46571	19388804	2298273	25811657	-31872431	2650936	60335024	-137052	88	24-19	---	ADD 1 T3000 @ TTD	29.82	---	1.17	466.1
6	20	2412	46505	19319011	2321076	26775723	-31896858	2664936	60337315	-138343	134	24-20	---	ADD 1 T3000 @ OMK	29.33	---	1.18	472.8

Forest Service

TOTAL		TOTAL	AT	DISP	TOTAL		TOTAL	AT	DISP									
SC	ALT	FREQ	ACRES	ESC FFF	UMC	TOT FFF	NVC	AT PG CT	TOTAL	\$\$ DIFF	AC DIFF	ALTY	ALTX- ALTY	DESCRIPTION	FIRES	D-F FIRES	G FIRES	AT DISP
1	AL01	1511	28715	18413576	2043579	20457195	-25564675	2267166	48288968	---	---	---	---	1995 Contract	7.63	---	1.18	203.8
2	AL02	1511	41431	32091742	1597930	33679672	-38182427	0	71882096	-23573103	-14718	01-02	---	No Airtankers	17.12	---	1.65	0.0
3	AL03	1511	27707	18988428	2096738	21095164	-26492668	2346476	49934308	-18465310	-982	01-03	---	WEN to Moses Lake	7.66	---	1.20	203.8
3	AL04	1511	27802	18698091	2074463	20970554	-26334100	2346478	49851130	-1362134	-887	01-04	---	WEN to Yakima	7.45	---	1.20	204.5
3	AL24	1511	26715	18413578	2043579	20457195	-25564675	2346478	48989306	---	---	---	---	WEN With New ATB	10.15	---	1.36	181.4
4	AL05	1511	31548	22588817	1946836	24513853	-31860247	2047331	58221431	-9653125	-4833	24-05	---	All Recipe	9.65	---	1.33	186.4
4	AL06	1511	30074	21518235	1995771	23514008	-30524280	2100712	56144898	2078433	1474	05-06	---	T-3000 @ WEN	9.71	---	1.28	200.5
4	AL07	1511	30318	21942630	1953841	23786271	-30219586	2094738	56110593	2110838	1230	05-07	---	T-3000 @ RED	9.66	---	1.39	192.5
4	AL08	1511	31435	22291674	1864048	24255722	-31282408	2101722	57639852	681579	113	05-08	---	T-3000 @ KFS	9.36	---	1.25	187.7
4	AL09	1511	29372	21476158	1961749	23437608	-30346356	2095235	53979499	2341932	2176	05-09	---	T-3000 @ LAG	9.94	---	1.38	192.8
4	AL10	1511	31354	22040592	1986672	24009264	-31185929	2101722	57279915	944516	194	05-10	---	T-3000 @ MFD	9.43	---	1.30	195.0
5	AL11	1511	30282	21068594	2048026	23113620	-32668265	1973787	54755652	-6367348	-3547	24-11	---	Cut 1 ea @ KFS,RED	9.31	---	1.30	198.5
5	AL12	1511	30262	21077563	2045631	23123194	-32858959	2016634	54798787	-6430481	-3547	24-12	---	Cut 1 ea @ KFS,WEN	9.66	---	1.36	199.7
5	AL13	1511	31310	22088080	2258345	24328425	-31401504	1844040	57571969	-9203863	-4595	24-13	---	Cut 1 ea @ LAG,MFD	7.29	---	1.18	200.0
6	AL14	1511	26842	18279929	2037232	20317161	-25445009	2619836	4842106	-113800	73	24-14	---	ADD 1 T3000 @ WEN	7.53	---	1.18	186.7
6	AL15	1511	28875	19350771	2050138	20400909	-25390530	2619836	48411375	-43069	40	24-15	---	ADD 1 T3000 @ RED	7.63	---	1.18	199.3
6	AL16	1511	28710	18401001	2040528	20441527	-25500508	2619836	48821971	-253885	5	24-16	---	ADD 1 T3000 @ KFS	7.64	---	1.14	201.6
6	AL17	1511	28381	18319004	2097076	20418080	-25522473	2619836	48559489	-190183	334	24-17	---	ADD 1 T3000 @ LGD	7.83	---	1.18	186.4
6	AL18	1511	28704	19387461	2046540	20434001	-25549408	2619836	48603343	-236037	11	24-18	---	ADD 1 T3000 @ MFD	7.39	---	1.18	189.6
6	AL19	1511	28688	19337324	2028672	20386898	-25500565	2650936	48518487	-150191	49	24-19	---	ADD 1 T3000 @ TTD	7.32	---	1.17	201.1
6	AL20	1511	28674	18281642	2034641	20318493	-25561813	2664936	48543232	-174928	41	24-20	---	ADD 1 T3000 @ OMK	7.63	---	1.18	203.8

Bureau of Indian Affairs - Colville Agency

SC	ALT	FREQ	ACRES	ESC	EFF	UMC	TOT	FF	NVC	AT	PG	CT	TOTAL	\$\$	DIFF	AC	DIFF	ALTY	ALTX-	DESCRIPTION	TOTAL	D-F	TOTAL	AT
1	AL01	132	8114	1048480	288601	1317081	-1841188	0	0	0	0	0	3158289	---	---	---	---	---	---	1985 Contract	8.80	0.00	23.0	
2	AL02	132	8180	1001647	391661	1393308	-1862386	0	0	0	0	0	3256294	-88025	-66	01-02	0	0	0	No airtankers	6.80	0.00	0.0	
3	AL03	132	8112	1048130	288415	1318545	-1840920	0	0	0	0	0	3157465	804	2	01-03	2	0	0	WEN to Moses Lake	6.80	0.00	23.0	
3	AL04	132	8116	1053978	261091	1335088	-1841457	0	0	0	0	0	3176526	-18257	-2	01-04	0	0	0	WEN to Yakima	6.80	0.00	23.0	
3	AL24	132	8114	1048480	268801	1317081	-1841188	0	0	0	0	0	3158289	---	---	---	---	---	---	WEN With New ATB	6.80	0.00	23.0	
4	AL05	132	8147	1059720	288292	1346012	-1857192	0	0	0	0	0	3203204	-44935	-33	24-05	0	0	0	All Recipe	6.80	0.00	23.0	
4	AL06	132	8114	1048480	268801	1317081	-1841188	0	0	0	0	0	3158289	44935	33	05-08	0	0	0	T-3000 @ WEN	6.80	0.00	23.0	
4	AL07	132	8147	1059720	288292	1346012	-1857192	0	0	0	0	0	3203204	0	0	05-07	0	0	0	T-3000 @ RED	6.80	0.00	23.0	
4	AL08	132	8147	1059720	288292	1346012	-1857192	0	0	0	0	0	3203204	0	0	05-08	0	0	0	T-3000 @ KFS	6.80	0.00	23.0	
4	AL09	132	8147	1059720	288292	1346012	-1857192	0	0	0	0	0	3203204	0	0	05-09	0	0	0	T-3000 @ LAG	6.80	0.00	23.0	
4	AL10	132	8147	1059720	288292	1346012	-1857192	0	0	0	0	0	3203204	0	0	05-10	0	0	0	T-3000 @ MFD	6.80	0.00	23.0	
5	AL11	132	8114	1048480	268801	1317081	-1841188	0	0	0	0	0	3158289	0	0	24-11	0	0	0	Cut 1 ea @ KFS,RED	6.80	0.00	23.0	
5	AL12	132	8150	1047695	264808	1312503	-1857548	0	0	0	0	0	3170051	-11782	-38	24-12	0	0	0	Cut 1 ea @ KFS,WEN	6.80	0.00	23.0	
5	AL13	132	8114	1048480	268801	1317081	-1841188	0	0	0	0	0	3158289	0	0	24-13	0	0	0	Cut 1 ea @ LAG,MFD	6.80	0.00	23.0	
6	AL14	132	8061	1050648	267823	1336572	-1815628	0	0	0	0	0	3154188	4071	53	24-14	0	0	0	ADD 1 T3000 @ WEN	5.80	0.00	23.0	
6	AL15	132	8114	1048480	268801	1317081	-1841188	0	0	0	0	0	3158289	0	0	24-15	0	0	0	ADD 1 T3000 @ RED	6.80	0.00	23.0	
6	AL16	132	8114	1048480	268801	1317081	-1841188	0	0	0	0	0	3158289	0	0	24-16	0	0	0	ADD 1 T3000 @ KFS	6.80	0.00	23.0	
6	AL17	132	8114	1048480	268801	1317081	-1841188	0	0	0	0	0	3158289	0	0	24-17	0	0	0	ADD 1 T3000 @ LGD	6.80	0.00	23.0	
6	AL18	132	8114	1048480	268801	1317081	-1841188	0	0	0	0	0	3158289	0	0	24-18	0	0	0	ADD 1 T3000 @ MFD	6.80	0.00	23.0	
6	AL19	132	8114	1048480	268801	1317081	-1841188	0	0	0	0	0	3158289	0	0	24-19	0	0	0	ADD 1 T3000 @ TTD	6.80	0.00	23.0	
6	AL20	132	8021	1037389	288235	1323804	-1798082	0	0	0	0	0	3122886	35563	93	24-20	0	0	0	ADD 1 T3000 @ OMK	5.80	0.00	31.0	

Oregon Department of Forestry

SC	ALT	FREQ	ACRES	ESC	EFF	UMC	TOT	FF	NVC	AT	PG	CT	TOTAL	\$\$	DIFF	AC	DIFF	ALTY	ALTX-	DESCRIPTION	TOTAL	D-F	TOTAL	AT
1	AL01	769	11810	0	0	4135636	-4535761	0	871397	0	0	0	871397	---	---	---	---	---	---	1985 Contract	15.90	238.0		
2	AL02	769	13154	0	0	4150054	-5030248	0	9180302	0	0	0	9180302	-508905	-1344	01-02	0	0	0	No airtankers	19.00	0.0		
3	AL03	769	11810	0	0	4135636	-4535761	0	871397	0	0	0	871397	0	0	01-03	0	0	0	WEN to Moses Lake	15.90	238.0		
3	AL04	769	11810	0	0	4135636	-4535761	0	871397	0	0	0	871397	0	0	01-04	0	0	0	WEN to Yakima	15.90	238.0		
3	AL24	769	11810	0	0	4135636	-4535761	0	871397	0	0	0	871397	---	---	---	---	---	---	WEN With New ATB	15.90	238.0		
4	AL05	769	11899	0	0	4153662	-4584910	0	8738572	0	0	0	8738572	-87175	-89	24-05	0	0	0	All Recipe	16.00	241.0		
4	AL06	769	11810	0	0	4135636	-4535761	0	871397	0	0	0	871397	87175	89	05-06	0	0	0	T-3000 @ WEN	15.90	238.0		
4	AL07	769	11875	0	0	4098831	-4570058	0	8688889	0	0	0	8688889	89883	24	05-07	0	0	0	T-3000 @ RED	16.00	240.0		
4	AL08	769	11865	0	0	4133761	-4560502	0	8694263	0	0	0	8694263	44309	34	05-08	0	0	0	T-3000 @ KFS	16.00	236.0		
4	AL09	769	11888	0	0	4098400	-4566128	0	8664526	0	0	0	8664526	74046	31	05-09	0	0	0	T-3000 @ LAG	15.90	239.0		
4	AL10	769	11820	0	0	4156951	-4348447	0	8503388	0	0	0	8503388	233174	279	05-10	0	0	0	T-3000 @ MFD	15.80	268.0		
5	AL11	769	11944	0	0	4142974	-4577763	0	8720737	0	0	0	8720737	-48340	-34	24-11	0	0	0	Cut 1 ea @ KFS,RED	15.90	225.0		
5	AL12	769	11846	0	0	4139465	-4578210	0	8717675	0	0	0	8717675	-46278	-38	24-12	0	0	0	Cut 1 ea @ KFS,WEN	15.90	229.0		
5	AL13	769	11964	0	0	4187185	-4824087	0	8811272	0	0	0	8811272	-138975	-154	24-13	0	0	0	Cut 1 ea @ LAG,MFD	15.90	210.0		
6	AL14	769	11810	0	0	4135636	-4535761	0	8671397	0	0	0	8671397	0	0	24-14	0	0	0	ADD 1 T3000 @ WEN	15.90	238.0		
6	AL15	769	11801	0	0	4133707	-4533789	0	8689486	0	0	0	8689486	1901	8	24-15	0	0	0	ADD 1 T3000 @ RED	15.90	239.0		
6	AL16	769	11298	0	0	4137549	-4282893	0	8400542	0	0	0	8400542	270855	514	24-16	0	0	0	ADD 1 T3000 @ KFS	15.20	246.0		
6	AL17	769	11758	0	0	4133377	-4531114	0	8664481	0	0	0	8664481	6806	51	24-17	0	0	0	ADD 1 T3000 @ LGD	15.80	245.0		
6	AL18	769	11434	0	0	4208663	-4251268	0	8461131	0	0	0	8461131	210288	378	24-18	0	0	0	ADD 1 T3000 @ MFD	15.40	262.0		
6	AL19	769	11791	0	0	4127580	-4530878	0	8859258	0	0	0	8859258	13138	19	24-19	0	0	0	ADD 1 T3000 @ TTD	15.90	244.0		
6	AL20	769	11810	0	0	4135636	-4535761	0	8671397	0	0	0	8671397	0	0	24-20	0	0	0	ADD 1 T3000 @ OMK	15.90	239.0		

## ALTERNATIVES

Alt. No.	Alt. Name	WEN T30 R22	RED T30 R30	KFS T30 R22	LAG T30	MFD R30	CdA R22	GVL R22	MAC T30	TPD RLD	OMK RLD	LKV RLD	EVT RLD	MSL ---	YAK ---
1	Current-95														
2	No Airtankers	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3	WEN vs MSL	---	T30 R30	T30 R22	T30	R30	R22	R22	T30	RLD	RLD	RLD	RLD	T30 R22	---
4	WEN vs YAK	---	T30 R30	T30 R22	T30	R30	R22	R22	T30	RLD	RLD	RLD	RLD	---	T30 R22
5	All R-22	R22 R22	R22 R22	R22 R22	R22	R22	R22	R22	R22	RLD	RLD	RLD	RLD	---	---
6	T30 at WEN	T30 R22	R22 R22	R22 R22	R22	R22	R22	R22	R22	RLD	RLD	RLD	RLD	---	---
7	T30 at RED	R22 R22	T30 R22	R22 R22	R22	R22	R22	R22	R22	RLD	RLD	RLD	RLD	---	---
8	T30 at KFS	R22 R22	R22 R22	T30 R22	R22	R22	R22	R22	R22	RLD	RLD	RLD	RLD	---	---
9	T30 at LAG	R22 R22	R22 R22	R22 R22	T30	R22	R22	R22	R22	RLD	RLD	RLD	RLD	---	---
10	T30 at MFR	R22 R22	R22 R22	R22 R22	R22	T30	R22	R22	R22	RLD	RLD	RLD	RLD	---	---
11	Cut 1@RED and KFS	T30 R22	T30	T30	T30	R30	R22	R22	T30	RLD	RLD	RLD	RLD	---	---
12	Cut 1@WEN and KFS	T30	T30 R22	T30	T30	R30	R22	R22	T30	RLD	RLD	RLD	RLD	---	---
13	Cut 1@LAG and MFD	T30 R22	T30 R22	T30 R22			R22	R22	T30	RLD	RLD	RLD	RLD	---	---
14	Add 1@WEN	T30 T30 R22	T30 R30	T30 R22	T30	R30	R22	R22	T30	RLD	RLD	RLD	RLD	---	---
15	Add 1@RED	T30 T30	T30 T30 R22	T30 R22	T30	R30	R22	R22	T30	RLD	RLD	RLD	RLD	---	---
16	Add 1@KFS	T30 T30	T30 R30	T30 T30 R22	T30	R30	R22	R22	T30	RLD	RLD	RLD	RLD	---	---
17	Add 1@LAG	T30 T30	T30 R30	T30 T30	T30 T30	R30	R22	R22	T30	RLD	RLD	RLD	RLD	---	---
18	Add 1@MFD	T30 T30	T30 R30	T30 T30	T30	R30 T30	R22	R22	T30	RLD	RLD	RLD	RLD	---	---
19	Add 1@TPD	T30 T30	T30 R30	T30 T30	T30 T30	R30	R22	R22	T30	T30	RLD	RLD	RLD	---	---

**ALTERNATIVES**

Alt. No.	Alt. Name	WEN	RED	KFS	LAG	MFD	CdA	GVL	MAC	TTD	OMK	LKV	EVT	MSL	YAK
20	Add 1@OMK	T30 T30	T30 R30	T30 T30	T30 T30	R30	R22	R22	T30	RLD	T30	RLD	RLD	---	---
24	Cur-95 with new WEN ATB	T30 R22	T30 R30	T30 R22	T30	R30	R22	R22	T30	RLD	RLD	RLD	RLD	---	---
25	T30 at CdA	R22 R22	R22 R22	R22 R22	R22	R22	T30	R22	R22	RLD	RLD	RLD	RLD	---	---
26	T30 at MAC	R22 R22	R22 R22	R22 R22	R22	R22	R22	R22	T30	RLD	RLD	RLD	RLD	---	---

WEN - Wenatchee  
LAG - LaGrande  
GVL - Grangeville  
OMK - Omak  
MSL - Moses Lake

RED - Redmond  
MED - Medford  
MAC - McCall  
LKV - Lakeview  
YAK - Yakima

KFS (LMT) - Klamath Falls  
CDA - Coeur d Alene  
TTD - Troutdale  
EVT - Everett

RLD = Reload

**AIRTANKER PROGRAM COSTS**

Alternative 1	Current 1995 Airtanker Program	\$2,259,719
Alternative 2	Current Program without Airtankers	\$0
Alternative 3	Current Program, Wenatchee move to Moses Lake	\$2,346,476
Alternative 4	Current Program, Wenatchee move to Yakima	\$2,346,476
Alternative 5	Current Program, R-3000 or R-2200, no T-3000	\$2,047,331
Alternative 6	Current Program, T-3000 at Wenatchee2 only	\$2,106,712
Alternative 7	Current Program, T-3000 at Redmond only	\$2,094,736
Alternative 8	Current Program, T-3000 at Klamath Falls only	\$2,101,722
Alternative 9	Current Program, T-3000 at La Grande only	\$2,095,235
Alternative 10	Current Program, T-3000 at Medford only	\$2,101,722
Alternative 11	Reduced Program, Cut R-2200 at LMT, R-3000 at RDM	\$1,973,767
Alternative 12	Reduced Program, Cut R-2200 at LMT, R-2200 at EAT	\$2,016,634
Alternative 13	Reduced Program, Cut T-3000 at LGD, R-3000 at MFR	\$1,844,040
Alternative 14	Added Program, Add T-3000 at EAT	\$2,619,936
Alternative 15	Added Program, Add T-3000 at RDM	\$2,619,936
Alternative 16	Added Program, Add T-3000 at LMT	\$2,619,936
Alternative 17	Added Program, Add T-3000 at LGD	\$2,619,936
Alternative 18	Added Program, Add T-3000 at MFR	\$2,619,936
Alternative 19	Added Program, Add T-3000 at TTD	\$2,650,936
Alternative 20	Added Program, Add T-3000 at OMK	\$2,664,936
Alternative 21	Current 1995 Airtanker Program, Without PAE as Reload	\$2,240,719
Alternative 22	Cur. Prog., Wenatchee move to Moses Lake, W/O PAE as Reload	\$2,327,476
Alternative 23	Cur. Prog., Wenatchee move to Yakima, W/O PAE as Reload	\$2,327,476
Alternative 24	Current Program, Wenatchee across airport	\$2,346,476

## Daily Airtanker Availability:

Turbine 3,000 Gallon = \$2,486

Recip. 3,000 Gallon = \$2,420

Recip. 2,200 Gallon = \$1,987

**AIRTANKER PROGRAM COSTS**

## DEVELOPMENT &amp; MOVE COSTS FOR WENATCHEE ATB

Item	Total Cost	Cost/ Year	
Real Estate Costs*		\$22,500	For 20 years at a discount rate of .04 Based on ave. cost of \$.1125 / sq. ft at Moses Lake & Yakima Airports
Buildings	\$90,000	\$ 6,622	Cost of pre-manufactured buildings, installed at site.
Ramp	\$299,918	\$22,068	
Tanks	\$60,000	\$ 4,415	Cost of new tanks
Pumps & Plumbing	\$118,600	\$ 8,727	New plumbing, distribution lines in ground.
Electrical	\$25,000	\$ 1,840	
Mass Flow Meter	\$12,000	\$ 883	
Waste Water	\$125,000	\$ 9,198	Cost of providing collection of waste water, not the treatment
Misc.	\$12,500	\$ 920	
Utilities		\$2,500	
Sub Total	<u>\$743,018</u>	<u>\$79,673</u>	
Change Orders		\$7,967	
Annual Total		\$87,640	
EAT Current	\$120,000	\$ 8,830	30% of \$400,000 cost to remain at present location.

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
01 Wenatchee	\$8,330	\$58,000	119	T3000	\$295,834	\$362,164
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,267,166

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
02 Wenatchee	\$0	\$0	0		\$0	\$0
Wenatchee			0		\$0	\$0
Wenatchee					\$0	\$0
Redmond	\$0	\$0	0		\$0	\$0
Redmond			0		\$0	\$0
Redmond					\$0	\$0
Klamath Falls	\$0	\$0	0		\$0	\$0
Klamath Falls			0		\$0	\$0
Klamath Falls					\$0	\$0
LaGrande	\$0	\$0	0		\$0	\$0
LaGrande					\$0	\$0
Medford	\$0	\$0	0		\$0	\$0
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0		\$0	\$0
Lakeview	\$0	\$0	0		\$0	\$0
Troutdale	\$0	\$0	0		\$0	\$0
Everett	\$0	\$0	0		\$0	\$0
Omak	\$0	\$0	0		\$0	\$0

Forest Service Total = \$0

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
03 Moses Lake	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Moses Lake			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,346,476



## AIRTANKER PROGRAM COSTS

Forest Service		Annualized	Annual	Days	Airtanker	Annual	ATB
Alt.	Airtanker Base	One-Time	O & M	In	Category	Airtanker	Total
		Costs	Costs	Season		Availability	
04	Yakima	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
	Yakima			99	R2200	\$196,713	\$196,713
	Wenatchee					\$0	\$0
	Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
	Redmond			99	R3000	\$239,580	\$239,580
	Redmond					\$0	\$0
	Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
	Klamath Falls			67	R2200	\$133,129	\$133,129
	Klamath Falls					\$0	\$0
	LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
	LaGrande					\$0	\$0
	Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
	Medford					\$0	\$0
	Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
	Lakeview	\$0	\$9,000	0		\$0	\$9,000
	Troutdale	\$0	\$26,000	0		\$0	\$26,000
	Everett	\$0	\$19,000	0		\$0	\$19,000
	Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,346,476

Forest Service		Annualized	Annual	Days	Airtanker	Annual	ATB
Alt.	Airtanker Base	One-Time	O & M	In	Category	Airtanker	Total
		Costs	Costs	Season		Availability	
05	Wenatchee	\$87,640	\$58,000	119	R2200	\$236,453	\$382,093
	Wenatchee			99	R2200	\$196,713	\$196,713
	Wenatchee					\$0	\$0
	Redmond	\$0	\$73,000	95	R2200	\$188,765	\$261,765
	Redmond			99	R2200	\$196,713	\$196,713
	Redmond					\$0	\$0
	Klamath Falls	\$0	\$75,000	109	R2200	\$216,583	\$291,583
	Klamath Falls			67	R2200	\$133,129	\$133,129
	Klamath Falls					\$0	\$0
	LaGrande	\$0	\$58,000	96	R2200	\$190,752	\$248,752
	LaGrande					\$0	\$0
	Medford	\$0	\$54,000	109	R2200	\$216,583	\$270,583
	Medford					\$0	\$0
	Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
	Lakeview	\$0	\$9,000	0		\$0	\$9,000
	Troutdale	\$0	\$26,000	0		\$0	\$26,000
	Everett	\$0	\$19,000	0		\$0	\$19,000
	Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,047,331

Forest Service		Annualized	Annual	Days	Airtanker	Annual	ATB
Alt.	Airtanker Base	One-Time	O & M	In	Category	Airtanker	Total
		Costs	Costs	Season		Availability	
06	Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
	Wenatchee			99	R2200	\$196,713	\$196,713
	Wenatchee					\$0	\$0
	Redmond	\$0	\$73,000	95	R2200	\$188,765	\$261,765
	Redmond			99	R2200	\$196,713	\$196,713
	Redmond					\$0	\$0
	Klamath Falls	\$0	\$75,000	109	R2200	\$216,583	\$291,583
	Klamath Falls			67	R2200	\$133,129	\$133,129
	Klamath Falls					\$0	\$0
	LaGrande	\$0	\$58,000	96	R2200	\$190,752	\$248,752
	LaGrande					\$0	\$0
	Medford	\$0	\$54,000	109	R2200	\$216,583	\$270,583
	Medford					\$0	\$0
	Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
	Lakeview	\$0	\$9,000	0		\$0	\$9,000
	Troutdale	\$0	\$26,000	0		\$0	\$26,000
	Everett	\$0	\$19,000	0		\$0	\$19,000
	Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,106,712

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
07 Wenatchee	\$87,640	\$58,000	119	R2200	\$236,453	\$382,093
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R2200	\$196,713	\$196,713
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	R2200	\$216,583	\$291,583
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	R2200	\$190,752	\$248,752
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R2200	\$216,583	\$270,583
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,094,736

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
08 Wenatchee	\$87,640	\$58,000	119	R2200	\$236,453	\$382,093
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	R2200	\$188,765	\$261,765
Redmond			99	R2200	\$196,713	\$196,713
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	R2200	\$190,752	\$248,752
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R2200	\$216,583	\$270,583
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,101,722

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
09 Wenatchee	\$87,640	\$58,000	119	R2200	\$236,453	\$382,093
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	R2200	\$188,765	\$261,765
Redmond			99	R2200	\$196,713	\$196,713
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	R2200	\$216,583	\$291,583
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R2200	\$216,583	\$270,583
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,095,235

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
10 Wenatchee	\$87,640	\$58,000	119	R2200	\$236,453	\$382,093
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	R2200	\$188,765	\$261,765
Redmond			99	R2200	\$196,713	\$196,713
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	R2200	\$216,583	\$291,583
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	R2200	\$190,752	\$248,752
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	T3000	\$270,974	\$324,974
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,101,722

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
11 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			0		\$0	\$0
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			0		\$0	\$0
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$1,973,767

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
12 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			0		\$0	\$0
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			0		\$0	\$0
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,016,634

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
13 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	0		\$0	\$58,000
LaGrande					\$0	\$0
Medford	\$0	\$54,000	0		\$0	\$54,000
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$1,844,040

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
14 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee			110	T3000	\$273,460	\$273,460
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,619,936

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
15 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond			110	T3000	\$273,460	\$273,460
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,619,936

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
16 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls			110	T3000	\$273,460	\$273,460
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,619,936

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
17 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande			110	T3000	\$273,460	\$273,460
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,619,936

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
18 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford			110	T3000	\$273,460	\$273,460
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,619,936

## AIRTANKER PROGRAM COSTS

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
19 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$57,000	110	T3000	\$273,460	\$330,460
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,650,936

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
20 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$57,000	110	T3000	\$273,460	\$330,460

Forest Service Total = \$2,664,936

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
24 Wenatchee	\$87,640	\$58,000	119	T3000	\$295,834	\$441,474
Wenatchee			99	R2200	\$196,713	\$196,713
Wenatchee					\$0	\$0
Redmond	\$0	\$73,000	95	T3000	\$236,170	\$309,170
Redmond			99	R3000	\$239,580	\$239,580
Redmond					\$0	\$0
Klamath Falls	\$0	\$75,000	109	T3000	\$270,974	\$345,974
Klamath Falls			67	R2200	\$133,129	\$133,129
Klamath Falls					\$0	\$0
LaGrande	\$0	\$58,000	96	T3000	\$238,656	\$296,656
LaGrande					\$0	\$0
Medford	\$0	\$54,000	109	R3000	\$263,780	\$317,780
Medford					\$0	\$0
Dear Park (State)	\$0	\$0	0	PBY	\$0	\$0
Lakeview	\$0	\$9,000	0		\$0	\$9,000
Troutdale	\$0	\$26,000	0		\$0	\$26,000
Everett	\$0	\$19,000	0		\$0	\$19,000
Omak	\$0	\$12,000	0		\$0	\$12,000

Forest Service Total = \$2,346,476

Pacific Northwest Geographic Area - Oregon Department of Forestry - Appendix H

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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 Annual Expected Values

**Oregon Department of Forestry - Total**

ALT	FREQ	ACRES	ESC	FFF	UMC	TOT	NVC	AT	PG	CT	TOTAL	TOTAL AT DISP	TOTAL D-G FIRES
AL01	769	11810	---	---	---	4135636	-4535761				8671397	238.00	15.90
AL02	769	13154	---	---	---	4150054	-5030248				9180302	0.00	19.00
AL03	769	11810	---	---	---	4135636	-4535761				8671397	238.00	15.90
AL04	769	11810	---	---	---	4135636	-4535761				8671397	238.00	15.90
AL24	769	11810	---	---	---	4135636	-4535761				8671397	238.00	15.90
AL05	769	11899	---	---	---	4153662	-4584910				8738572	241.00	16.00
AL06	769	11810	---	---	---	4135636	-4535761				8671397	238.00	15.90
AL07	769	11875	---	---	---	4098831	-4570058				8668889	240.00	16.00
AL08	769	11865	---	---	---	4133761	-4560502				8694263	236.00	16.00
AL09	769	11868	---	---	---	4098400	-4566126				8664526	238.00	15.90
AL10	769	11620	---	---	---	4156951	-4348447				8505398	265.00	15.80
AL11	769	11844	---	---	---	4142974	-4577763				8720737	225.00	15.90
AL12	769	11846	---	---	---	4139465	-4578210				8717675	226.00	15.90
AL13	769	11964	---	---	---	4187185	-4624087				8811272	210.00	15.90
AL14	769	11810	---	---	---	4135636	-4535761				8671397	238.00	15.90
AL15	769	11801	---	---	---	4135707	-4533789				8669496	239.00	15.90
AL16	769	11296	---	---	---	4137549	-4262993				8400542	248.00	15.20
AL17	769	11759	---	---	---	4133377	-4531114				8664491	245.00	15.80
AL18	769	11434	---	---	---	4209863	-4251268				8461131	262.00	15.40
AL19	769	11791	---	---	---	4127580	-4530678				8658258	244.00	15.90
AL20	769	11810	---	---	---	4135636	-4535761				8671397	238.00	15.90

**Oregon Department of Forestry - Northeast**

ALT	FREQ	ACRES	ESC	FFF	UMC	TOT	NVC	AT	PG	CT	TOTAL	TOTAL AT DISP	TOTAL D-G FIRES
AL01	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL02	82	4412	---	---	---	843303	-1303590				2146893	0.00	3.60
AL03	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL04	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL24	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL05	82	4311	---	---	---	835490	-1284551				2120041	13.00	3.60
AL06	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL07	82	4311	---	---	---	835656	-1284551				2120207	13.00	3.60
AL08	82	4311	---	---	---	835490	-1284551				2120041	13.00	3.60
AL09	82	4302	---	---	---	837717	-1282789				2120506	13.00	3.60
AL10	82	4311	---	---	---	835490	-1284551				2120041	13.00	3.60
AL11	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL12	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL13	82	4280	---	---	---	845814	-1278867				2124681	17.00	3.60
AL14	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL15	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL16	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL17	82	4250	---	---	---	835797	-1272600				2108397	21.00	3.50
AL18	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL19	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60
AL20	82	4301	---	---	---	838056	-1277247				2115303	14.00	3.60

Pacific Northwest Geographic Area - Oregon Department of Forestry - Appendix H

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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 Annual Expected Values

**Oregon Department of Forestry - The Dalles and Sisters**

ALT	FREQ	ACRES	ESC	FFF	UMC	TOT FFF	NVC	AT PG CT	TOTAL	TOTAL AT DISP	TOTAL D-G FIRES
AL01	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL02	56	1516	---	---	---	567255	-267256		834511	0.00	2.70
AL03	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL04	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL24	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL05	56	1354	---	---	---	529484	-243466		773420	21.00	2.30
AL06	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL07	56	1353	---	---	---	530475	-243269		773744	21.00	2.30
AL08	56	1354	---	---	---	529484	-243466		772950	21.00	2.30
AL09	56	1354	---	---	---	529484	-243466		772950	21.00	2.30
AL10	56	1354	---	---	---	529484	-243466		772950	21.00	2.30
AL11	56	1350	---	---	---	531539	-242814		774353	21.00	2.30
AL12	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL13	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL14	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL15	56	1346	---	---	---	531874	-242168		774042	21.00	2.30
AL16	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL17	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL18	56	1350	---	---	---	530606	-242814		773420	21.00	2.30
AL19	56	1331	---	---	---	522550	-237731		760281	27.00	2.30
AL20	56	1350	---	---	---	530606	-242814		773420	21.00	2.30

**Oregon Department of Forestry - Central Oregon**

ALT	FREQ	ACRES	ESC	FFF	UMC	TOT FFF	NVC	AT PG CT	TOTAL	TOTAL AT DISP	TOTAL D-G FIRES
AL01	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL02	128	2308	---	---	---	1378134	-436370		1814504	0.00	6.50
AL03	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL04	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL24	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL05	128	1978	---	---	---	1262135	-396158		1658293	59.00	4.90
AL06	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL07	128	1955	---	---	---	1241982	-381503		1623485	58.00	4.90
AL08	128	1978	---	---	---	1242220	-382122		1624342	59.00	4.90
AL09	128	1956	---	---	---	1240481	-379136		1619617	56.00	4.80
AL10	128	1978	---	---	---	1242220	-382122		1624342	59.00	4.90
AL11	128	1953	---	---	---	1250675	-379275		1629950	54.00	4.80
AL12	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL13	128	2032	---	---	---	1314548	-389541		1704089	52.00	4.80
AL14	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL15	128	1950	---	---	---	1246902	-378396		1625298	56.00	4.80
AL16	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL17	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL18	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL19	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80
AL20	128	1955	---	---	---	1248099	-379722		1627821	55.00	4.80



Pacific Northwest Geographic Area - Oregon Department of Forestry - Appendix H

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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 Annual Expected Values

**Oregon Department of Forestry - Klamath**

ALT	FREQ	ACRES	ESC	FFF	UMC	TOT FFF	NVC	AT PG CT	TOTAL	TOTAL AT DISP	TOTAL D-G FIRES
AL01	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL02	127	1533	---	---	---	390638	-365223		755861	0.00	3.50
AL03	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL04	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL24	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL05	127	1332	---	---	---	448867	-332368		781235	48.00	2.90
AL06	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL07	127	1332	---	---	---	413032	-332368		745400	48.00	2.90
AL08	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL09	127	1332	---	---	---	413032	-332368		745400	48.00	2.90
AL10	127	1332	---	---	---	413032	-332368		745400	48.00	2.90
AL11	127	1280	---	---	---	442756	-319164		761920	47.00	2.90
AL12	127	1280	---	---	---	442756	-319164		761920	47.00	2.90
AL13	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL14	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL15	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL16	127	1066	---	---	---	470800	-285679		756479	55.00	2.50
AL17	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL18	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL19	127	1302	---	---	---	442077	-325310		767387	48.00	2.90
AL20	127	1302	---	---	---	442077	-325310		767387	48.00	2.90

**Oregon Department of Forestry - Southwest**

ALT	FREQ	ACRES	ESC	FFF	UMC	TOT FFF	NVC	AT PG CT	TOTAL	TOTAL AT DISP	TOTAL D-G FIRES
AL01	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30
AL02	376	3385	---	---	---	970724	-2657809		3628533	0.00	2.70
AL03	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30
AL04	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30
AL24	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30
AL05	376	2924	---	---	---	1077686	-2328367		3406053	100.00	2.30
AL06	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30
AL07	376	2924	---	---	---	1077686	-2328367		3406053	100.00	2.30
AL08	376	2920	---	---	---	1084490	-2325053		3409543	95.00	2.30
AL09	376	2924	---	---	---	1077686	-2328367		3406053	100.00	2.30
AL10	376	2645	---	---	---	1136725	-2105940		3242665	124.00	2.10
AL11	376	2960	---	---	---	1079948	-2359263		3439211	89.00	2.30
AL12	376	2960	---	---	---	1079948	-2359263		3439211	89.00	2.30
AL13	376	3000	---	---	---	1054140	-2387555		3441695	72.00	2.30
AL14	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30
AL15	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30
AL16	376	2624	---	---	---	1049988	-2077531		3127519	103.00	2.00
AL17	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30
AL18	376	2526	---	---	---	1151025	-2026175		3177200	124.00	1.80
AL19	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30
AL20	376	2902	---	---	---	1076798	-2310668		3387466	100.00	2.30

Pacific Northwest Geographic Area - Bureau of Indian Affairs - Appendix H

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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 Annual Expected Values

**Bureau of Indian Affairs- Colville Agency**

SC	ALT	FREQ	ACRES	ESC	FFP	UMC	TOT	FFP	NVC	AT	PG	CT	TOTAL	TOTAL D-F FIRES	TOTAL AT DISP
1	AL01	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
2	AL02	---	8180	1001647	190527	1192174	-1862986	3055160	6.80	00.00					
3	AL03	---	8112	1048130	268415	1316545	-1840920	3157465	6.60	23.00					
3	AL04	---	8116	1053978	281091	1335069	-1841457	3176526	6.60	23.00					
3	AL24	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
4	AL05	---	8147	1059720	286292	1346012	-1857192	3203204	6.60	23.00					
4	AL06	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
4	AL07	---	8147	1059720	286292	1346012	-1857192	3203204	6.60	23.00					
4	AL08	---	8147	1059720	286292	1346012	-1857192	3203204	6.60	23.00					
4	AL09	---	8147	1059720	286292	1346012	-1857192	3203204	6.60	23.00					
4	AL10	---	8147	1059720	286292	1346012	-1857192	3203204	6.60	23.00					
5	AL11	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
5	AL12	---	8150	1047695	264808	1312503	-1857548	3169961	6.80	22.00					
5	AL13	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
6	AL14	---	8061	1050649	287923	1338572	-1815626	3154198	5.80	27.00					
6	AL15	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
6	AL16	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
6	AL17	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
6	AL18	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
6	AL19	---	8114	1048480	268601	1317081	-1841188	3158269	6.60	23.00					
6	AL20	---	8021	1037369	286235	1323604	-1799082	3122686	5.80	31.00					

Pacific Northwest Area - Forest Service - Appendix H

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL01	1511	26715	18413576	2043579	20457155	-25564675	2259719	48281549	
AL02	1511	41431	32091742	1587930	33679672	-38182427	0	71862099	
AL03	1511	27707	18998426	2096738	21095164	-26492666	2346476	49934306	
AL04	1511	27602	18896091	2074463	20970554	-26334100	2346476	49651130	
AL05	1511	31548	22566917	1946936	24513853	-31660247	2090198	58264298	
AL06	1511	30074	21518235	1995771	23514006	-30524280	2326676	56364962	
AL07	1511	30318	21842630	1953641	23796271	-30219586	2325092	56340949	
AL08	1511	31435	22291674	1964048	24255722	-31282408	2326016	57864146	
AL09	1511	29372	21476159	1961749	23437908	-30346356	2325158	56109422	
AL10	1511	31354	22040592	1968672	24009264	-31165929	2326016	57501209	
AL11	1511	30262	21065594	2048026	23113620	-29668265	1973767	54755652	
AL12	1511	30262	21077563	2045631	23123194	-29658959	2016634	54798787	
AL13	1511	31310	22068080	2258345	24326425	-31401504	1844040	57571969	
AL14	1511	26642	18279929	2037232	20317161	-25545009	2619936	48482106	
AL15	1511	26675	18350771	2050138	20400909	-25390530	2619936	48411375	
AL16	1511	26710	18401001	2040526	20441527	-25560508	2619936	48621971	
AL17	1511	26381	18319004	2097076	20416080	-25522473	2619936	48558489	
AL18	1511	26704	18387461	2046540	20434001	-25549406	2619936	48603343	
AL19	1511	26666	18337324	2029672	20366996	-25500565	2650936	48518497	
AL20	1511	26674	18281642	2034841	20316483	-25561813	2649360	48527656	

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL01	1232.51	252.28	19.10	3.74	2.16	1.73	1.18	1512.70	
AL02	1180.94	257.60	55.39	9.53	4.87	2.72	1.65	1512.70	
AL03	1232.50	251.84	19.52	3.74	2.16	1.76	1.20	1512.72	
AL04	1233.10	251.51	19.46	3.55	2.17	1.73	1.20	1512.72	
AL05	1232.31	240.76	28.11	4.51	3.59	2.05	1.36	1512.69	
AL06	1232.30	242.23	27.20	4.39	3.25	2.01	1.33	1512.71	
AL07	1232.49	244.32	24.89	4.30	3.44	1.97	1.28	1512.69	
AL08	1232.30	241.73	27.31	4.37	3.56	2.03	1.36	1512.66	
AL09	1232.31	243.10	26.64	4.27	3.21	1.88	1.25	1512.66	
AL10	1232.16	242.54	26.69	4.41	3.53	2.00	1.36	1512.69	
AL11	1232.50	246.14	23.30	4.26	3.14	2.03	1.30	1512.67	
AL12	1232.50	246.25	23.31	4.12	3.16	2.03	1.30	1512.67	
AL13	1230.33	241.77	29.60	4.23	3.35	2.08	1.36	1512.72	
AL14	1232.51	252.32	19.41	3.58	1.98	1.73	1.18	1512.71	
AL15	1232.50	252.33	19.17	3.64	2.16	1.73	1.18	1512.71	
AL16	1232.50	252.24	19.14	3.74	2.16	1.73	1.18	1512.69	
AL17	1232.50	252.29	19.10	3.57	2.36	1.71	1.14	1512.67	
AL18	1232.36	252.57	18.96	3.74	2.16	1.73	1.18	1512.70	
AL19	1233.45	252.00	18.71	3.50	2.16	1.73	1.18	1512.73	
AL20	1232.40	252.63	19.20	3.60	1.97	1.75	1.17	1512.72	

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL01			74.98	98.73	15.81	5.73	3.61	3.08	1.84	203.78
AL02			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL03			73.94	98.87	16.37	5.79	3.61	3.14	1.88	203.60
AL04			75.58	98.69	16.20	5.43	3.62	3.08	1.87	204.47
AL05			73.74	78.27	18.79	3.87	3.45	1.96	1.35	181.43
AL06			74.78	80.67	19.26	4.32	3.82	2.22	1.37	186.44
AL07			73.93	90.76	21.45	5.33	4.70	2.68	1.68	200.53
AL08			73.74	84.86	21.39	4.55	4.04	2.37	1.59	192.54
AL09			73.75	81.78	20.87	3.72	3.62	2.22	1.78	187.74
AL10			73.60	85.80	20.89	4.43	4.04	2.26	1.58	192.60
AL11			74.98	88.84	18.05	4.68	4.21	2.60	1.62	194.98
AL12			74.98	88.98	18.56	5.14	4.45	2.69	1.73	196.53
AL13			72.82	84.01	27.31	5.50	4.95	3.05	2.07	199.71
AL14			74.98	97.46	15.58	4.77	2.73	2.67	1.78	199.97
AL15			74.98	95.47	14.47	4.36	3.18	2.57	1.68	196.71
AL16			74.98	97.47	14.43	4.95	3.26	2.54	1.63	199.26
AL17			74.98	98.13	15.53	5.03	3.63	2.68	1.65	201.63
AL18			74.84	95.41	14.07	4.92	3.07	2.45	1.61	196.37
AL19			75.92	97.27	14.25	4.55	3.18	2.69	1.77	199.63
AL20			74.88	98.00	15.72	5.01	3.03	2.69	1.77	201.10

**Key To National Forest Identification Numbers  
Used in the Initial Attack Analysis**

01-Deschutes NF	07-Ochoco NF	16-Wallow-Whitman NF
02-Fremont NF	08-Okanogan NF	17-Wenatchee NF
03-Gifford Pinchot NF	10-Rogue River NF	18-Willamette NF
04-Malheur NF	11-Siskiyou NF	20-Winema NF
05-Mt. Baker-Snoq. NF	14-Umatilla NF	21-Colville NF
06-Mt. Hood NF	15-Umpqua NF	

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

		Annual Expected Values					AT	UNIT'S	
ALT	UN	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	PROG COST	ALT COSTS
AL01									
	01	137	782	649760	71296	721056	-575575	-	1296631
	02	75	1314	1956677	79318	2035995	-1251661	-	3287656
	03	45	132	189045	63143	252188	-218915	-	471103
	04	156	1685	618680	190004	808684	-1921434	-	2730118
	05	49	112	391340	56868	448208	-140876	-	589084
	06	54	699	2182085	42100	2224185	-3153492	-	5377677
	07	104	2039	861412	108430	969842	-2471531	-	3441373
	08	54	1415	873285	31633	904918	-208039	-	1112957
	10	55	51	152750	108197	260947	-75821	-	336768
	11	31	2426	869439	67459	936898	-3609614	-	4546512
	14	119	1944	1045940	280625	1326565	-334981	-	1661546
	15	92	303	778448	171153	949601	-1153430	-	2103031
	16	158	6545	2571155	148165	2719320	-5246912	-	7966232
	17	120	4388	3038197	343431	3381628	-1983059	-	5364687
	18	142	154	359001	180982	539983	-759164	-	1299147
	20	73	2299	1382624	60579	1443203	-2399078	-	3842281
	21	47	427	493738	40196	533934	-61093	-	595027
Total:		1511	26715	18413576	2043579	20457155	-25564675	2259719	48281549
AL02									
	01	137	1018	962909	59157	1022066	-783196	-	1805262
	02	75	1477	2361045	38180	2399225	-1351661	-	3750886
	03	45	293	412179	29728	441907	-595872	-	1037779
	04	156	3636	1300633	166393	1467026	-4048673	-	5515699
	05	49	140	551630	55420	607050	-161298	-	768348
	06	54	795	2776528	25414	2801942	-3571913	-	6373855
	07	104	2270	984990	73193	1058183	-2550684	-	3608867
	08	54	1629	1131852	21158	1153010	-231439	-	1384449
	10	55	565	1702491	56280	1758771	-511548	-	2270319
	11	31	2452	931643	60888	992531	-3691707	-	4684238
	14	119	3713	2458080	207782	2665862	-614833	-	3280695
	15	92	523	1202977	168756	1371733	-2270096	-	3641829
	16	158	13061	5764689	136009	5900698	-6619616	-	12520314
	17	120	5694	4544075	313853	4857928	-3153196	-	8011124
	18	142	1056	2725417	106672	2832089	-5450516	-	8282605
	20	73	2352	1561575	33599	1595174	-2427372	-	4022546
	21	47	757	719029	35448	754477	-148807	-	903284
Total:		1511	41431	32091742	1587930	33679672	-38182427	0	71862099
AL03									
	01	137	782	649760	71296	721056	-575575	-	1296631
	02	75	1314	1956677	79318	2035995	-1251661	-	3287656
	03	45	143	199414	66877	266291	-241495	-	507786
	04	156	1685	618814	189987	808801	-1921434	-	2730235
	05	49	119	433520	58754	492274	-151521	-	643795
	06	54	699	2182085	42100	2224185	-3153492	-	5377677
	07	104	2039	861412	108430	969842	-2471531	-	3441373
	08	54	1425	889133	32574	921707	-208389	-	1130096
	10	55	51	152750	108197	260947	-75821	-	336768
	11	31	2426	869439	67459	936898	-3609614	-	4546512
	14	119	1936	1038852	279306	1318158	-333811	-	1651969
	15	92	303	778448	171153	949601	-1153430	-	2103031
	16	158	6545	2571155	148165	2719320	-5246912	-	7966232
	17	120	5360	3561344	391680	3953024	-2878645	-	6831669
	18	142	154	359001	180982	539983	-759164	-	1299147
	20	73	2299	1382624	60579	1443203	-2399078	-	3842281
	21	47	427	493998	39881	533879	-61093	-	594972
Total:		1511	27707	18998426	2096738	21095164	-26492666	2346476	49934306

National Airtanker Study  
Summary By Alternative and Forest  
(Without Breakdown Of NVC)  
(Per Acre And Unit Mission Separate)

		Annual Expected Values							
ALT	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL04									
	01	137	782	649760	71296	721056	-575575	-	1296631
	02	75	1314	1956677	79318	2035995	-1251661	-	3287656
	03	45	101	151088	55058	206146	-195797	-	401943
	04	156	1685	618685	189987	808672	-1921434	-	2730106
	05	49	120	439036	58793	497829	-152227	-	650056
	06	54	699	2182085	42100	2224185	-3153492	-	5377677
	07	104	2039	861412	108430	969842	-2471531	-	3441373
	08	54	1427	892353	34225	926578	-208454	-	1135032
	10	55	51	152750	108197	260947	-75821	-	336768
	11	31	2426	869439	67459	936898	-3609614	-	4546512
	14	119	1936	1039286	278341	1317627	-333890	-	1651517
	15	92	303	778448	171153	949601	-1153430	-	2103031
	16	158	6545	2571144	148165	2719309	-5246912	-	7966221
	17	120	5288	3475167	381070	3856237	-2763462	-	6619699
	18	142	154	359001	180982	539983	-759164	-	1299147
	20	73	2299	1382624	60579	1443203	-2399078	-	3842281
	21	47	433	517136	39310	556446	-62558	-	619004
	Total:	1511	27602	18896091	2074463	20970554	-26334100	2346476	49651130
AL05									
	01	137	844	753402	69485	822887	-627425	-	1450312
	02	75	1371	2141627	72393	2214020	-1292110	-	3506130
	03	45	175	217865	58294	276159	-326522	-	602681
	04	156	2622	914300	181083	1095383	-2975115	-	4070498
	05	49	123	456031	56706	512737	-154460	-	667197
	06	54	722	2280075	38617	2318692	-3244559	-	5563251
	07	104	2101	890978	99154	990132	-2510346	-	3500478
	08	54	1522	1056252	30368	1086620	-214441	-	1301061
	10	55	112	326286	96583	422869	-171749	-	594618
	11	31	2437	893743	66573	960316	-3652783	-	4613099
	14	119	2987	1858242	262780	2121022	-541384	-	2662406
	15	92	401	974239	177640	1151879	-1653498	-	2805377
	16	158	7055	2814460	149636	2964096	-5385018	-	8349114
	17	120	5401	3615130	299667	3914797	-2943636	-	6858433
	18	142	666	1304941	195475	1500416	-3420954	-	4921370
	20	73	2306	1412664	53291	1465955	-2404435	-	3870390
	21	47	703	656682	39191	695873	-141812	-	837685
	Total:	1511	31548	22566917	1946936	24513853	-31660247	2090198	58264298
AL06									
	01	137	844	753402	69485	822887	-627425	-	1450312
	02	75	1371	2141627	72393	2214020	-1292110	-	3506130
	03	45	147	193216	60996	254212	-260975	-	515187
	04	156	2622	914304	181066	1095370	-2975083	-	4070453
	05	49	112	391340	56868	448208	-140876	-	589084
	06	54	722	2280075	38617	2318692	-3244559	-	5563251
	07	104	2101	890978	99154	990132	-2510346	-	3500478
	08	54	1415	873285	31633	904918	-208039	-	1112957
	10	55	112	326286	96583	422869	-171749	-	594618
	11	31	2437	893743	66573	960316	-3652783	-	4613099
	14	119	2947	1817858	263167	2081025	-531625	-	2612650
	15	92	401	974239	177640	1151879	-1653498	-	2805377
	16	158	7055	2814460	149636	2964096	-5385019	-	8349115
	17	120	4389	3042079	342998	3385077	-1983711	-	5368788
	18	142	666	1304941	195475	1500416	-3420954	-	4921370
	20	73	2306	1412664	53291	1465955	-2404435	-	3870390
	21	47	427	493738	40196	533934	-61093	-	595027
	Total:	1511	30074	21518235	1995771	23514006	-30524280	2326676	56364962

National Airtanker Study  
Summary By Alternative and Forest  
(Without Breakdown Of NVC)  
(Per Acre And Unit Mission Separate)

		Annual Expected Values						AT	UNIT'S
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	PROG	UNIT'S	
NO	NO	FREQ	ACRES	SUPP	MISSION	CHANGE	COST	ALT	
				COST	COST			COSTS	
					SUPP COST				
AL07									
	01	137	787	666645	70227	736872	-583213	-	1320085
	02	75	1367	2131083	74612	2205695	-1289346	-	3495041
	03	45	164	202652	61091	263743	-289309	-	553052
	04	156	1735	644741	186836	831577	-1959470	-	2791047
	05	49	123	456031	56706	512737	-154460	-	667197
	06	54	713	2255129	40847	2295976	-3220449	-	5516425
	07	104	2078	874552	109866	984418	-2500443	-	3484861
	08	54	1522	1056252	30368	1086620	-214441	-	1301061
	10	55	112	326286	96583	422869	-171749	-	594618
	11	31	2437	893743	66573	960316	-3652783	-	4613099
	14	119	2853	1748564	244117	1992681	-520272	-	2512953
	15	92	400	967632	177738	1145370	-1646129	-	2791499
	16	158	7055	2814460	149636	2964096	-5385019	-	8349115
	17	120	5330	3533085	300177	3833262	-2828138	-	6661400
	18	142	634	1204980	194807	1399787	-3258513	-	4658300
	20	73	2305	1410113	54266	1464379	-2404040	-	3868419
	21	47	703	656682	39191	695873	-141812	-	837685
Total:		1511	30318	21842630	1953641	23796271	-30219586	2325092	56340949
AL08									
	01	137	844	753402	69485	822887	-627425	-	1450312
	02	75	1351	2089231	77970	2167201	-1284857	-	3452058
	03	45	175	217865	58294	276159	-326522	-	602681
	04	156	2622	914432	181066	1095498	-2974859	-	4070357
	05	49	123	456031	56706	512737	-154460	-	667197
	06	54	722	2280075	38617	2318692	-3244559	-	5563251
	07	104	2101	890978	99154	990132	-2510346	-	3500478
	08	54	1522	1056252	30368	1086620	-214441	-	1301061
	10	55	94	273945	99957	373902	-148639	-	522541
	11	31	2437	893245	67071	960316	-3652783	-	4613099
	14	119	2987	1858242	262780	2121022	-541384	-	2662406
	15	92	368	933873	176532	1110405	-1489264	-	2599669
	16	158	7055	2814460	149636	2964096	-5385023	-	8349119
	17	120	5401	3615130	299667	3914797	-2943636	-	6858433
	18	142	631	1194127	198804	1392931	-3241299	-	4634230
	20	73	2299	1393704	58750	1452454	-2401099	-	3853553
	21	47	703	656682	39191	695873	-141812	-	837685
Total:		1511	31435	22291674	1964048	24255722	-31282408	2326016	57864146
AL09									
	01	137	844	753402	69485	822887	-627425	-	1450312
	02	75	1371	2141627	72393	2214020	-1292110	-	3506130
	03	45	175	217865	58294	276159	-326522	-	602681
	04	156	1755	657138	181927	839065	-1977038	-	2816103
	05	49	123	456031	56706	512737	-154460	-	667197
	06	54	722	2280075	38617	2318692	-3244559	-	5563251
	07	104	2101	890978	99154	990132	-2510346	-	3500478
	08	54	1522	1056252	30368	1086620	-214441	-	1301061
	10	55	112	326286	96583	422869	-171749	-	594618
	11	31	2437	893743	66573	960316	-3652783	-	4613099
	14	119	2187	1266420	279721	1546141	-363576	-	1909717
	15	92	401	974239	177640	1151879	-1653498	-	2805377
	16	158	6546	2572686	146664	2719350	-5247012	-	7966362
	17	120	5401	3615130	299667	3914797	-2943636	-	6858433
	18	142	666	1304941	195475	1500416	-3420954	-	4921370
	20	73	2306	1412664	53291	1465955	-2404435	-	3870390
	21	47	703	656682	39191	695873	-141812	-	837685
Total:		1511	29372	21476159	1961749	23437908	-30346356	2325158	56109422

National Airtanker Study  
Summary By Alternative and Forest  
(Without Breakdown Of NVC)  
(Per Acre And Unit Mission Separate)

		Annual Expected Values						AT	UNIT'S
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	PROG	ALT	
NO	NO	FREQ	ACRES	MISSION	SUPP COST	CHANGE	COST	COSTS	
AL10									
	01	137	844	753402	69485	822887	-627425	-	1450312
	02	75	1326	1995539	74092	2069631	-1260140	-	3329771
	03	45	175	217865	58294	276159	-326522	-	602681
	04	156	2622	914432	181066	1095498	-2975083	-	4070581
	05	49	123	456031	56706	512737	-154460	-	667197
	06	54	722	2280075	38617	2318692	-3244559	-	5563251
	07	104	2101	890978	99154	990132	-2510346	-	3500478
	08	54	1522	1056252	30368	1086620	-214441	-	1301061
	10	55	36	107302	113531	220833	-53261	-	274094
	11	31	2437	893001	68717	961718	-3652795	-	4614513
	14	119	2987	1858242	262780	2121022	-541384	-	2662406
	15	92	364	919807	175717	1095524	-1470857	-	2566381
	16	158	7055	2814460	149636	2964096	-5385146	-	8349242
	17	120	5401	3615130	299667	3914797	-2943636	-	6858433
	18	142	636	1218714	196614	1415328	-3265699	-	4681027
	20	73	2300	1392680	55037	1447717	-2398363	-	3846080
	21	47	703	656682	39191	695873	-141812	-	837685
Total:		1511	31354	22040592	1968672	24009264	-31165929	2326016	57501209
AL11									
	01	137	816	703079	70050	773129	-599574	-	1372703
	02	75	1364	2109879	75067	2184946	-1291973	-	3476919
	03	45	148	193829	59678	253507	-261176	-	514683
	04	156	2604	898180	193966	1092146	-2961308	-	4053454
	05	49	112	392839	56508	449347	-141033	-	590380
	06	54	726	2291603	38570	2330173	-3265799	-	5595972
	07	104	2091	872923	106361	979284	-2497307	-	3476591
	08	54	1505	909246	30072	939318	-223818	-	1163136
	10	55	60	171972	95073	267045	-93687	-	360732
	11	31	2437	892754	67790	960544	-3652783	-	4613327
	14	119	2588	1620427	291290	1911717	-456455	-	2368172
	15	92	399	955764	172000	1127764	-1647207	-	2774971
	16	158	6624	2617443	158326	2775769	-5292224	-	8067993
	17	120	5398	3606535	339667	3946202	-2939419	-	6885621
	18	142	351	745416	191956	937372	-1797993	-	2735365
	20	73	2304	1395782	62733	1458515	-2401293	-	3859808
	21	47	735	687923	38919	726842	-145216	-	872058
Total:		1511	30262	21065594	2048026	23113620	-29668265	1973767	54755652
AL12									
	01	137	815	699666	69096	768762	-598961	-	1367723
	02	75	1364	2109879	75067	2184946	-1291973	-	3476919
	03	45	148	194783	58747	253530	-260520	-	514050
	04	156	2604	898182	193966	1092148	-2961308	-	4053456
	05	49	113	401058	56693	457751	-143082	-	600833
	06	54	721	2275581	39212	2314793	-3247342	-	5562135
	07	104	2074	873629	100204	973833	-2498144	-	3471977
	08	54	1505	910112	30587	940699	-223818	-	1164517
	10	55	60	171972	95073	267045	-93687	-	360732
	11	31	2437	892754	67790	960544	-3652783	-	4613327
	14	119	2607	1636011	291924	1927935	-459910	-	2387845
	15	92	399	955764	172000	1127764	-1647207	-	2774971
	16	158	6624	2617434	158326	2775760	-5292032	-	8067792
	17	120	5401	3611617	343338	3954955	-2943690	-	6898645
	18	142	351	745416	191956	937372	-1797993	-	2735365
	20	73	2304	1395782	62733	1458515	-2401293	-	3859808
	21	47	735	687923	38919	726842	-145216	-	872058
Total:		1511	30262	21077563	2045631	23123194	-29658959	2016634	54798787



National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S	
NO	NO	FREQ	ACRES	SUPP	MISSION	SUPP	PROG	ALT	
				COST	COST	COST	COST	COSTS	
						CHANGE			
AL13									
	01	137	815	699666	69096	768762	-598961	-	1367723
	02	75	1396	2210694	72474	2283168	-1298289	-	3581457
	03	45	147	194580	59532	254112	-256111	-	510223
	04	156	2608	902761	193907	1096668	-2964361	-	4061029
	05	49	112	392839	56508	449347	-141033	-	590380
	06	54	721	2275581	39212	2314793	-3247342	-	5562135
	07	104	2074	873629	100204	973833	-2498144	-	3471977
	08	54	1505	909246	30072	939318	-223818	-	1163136
	10	55	77	235500	128358	363858	-120707	-	484565
	11	31	2437	892764	69942	962706	-3653011	-	4615717
	14	119	3262	1956373	398604	2354977	-556939	-	2911916
	15	92	439	1019156	180226	1199382	-1848019	-	3047401
	16	158	6655	2641871	229379	2871250	-5267155	-	8138405
	17	120	5399	3607696	339481	3947177	-2941390	-	6888567
	18	142	628	1179206	191366	1370572	-3240712	-	4611284
	20	73	2300	1388595	61065	1449660	-2400296	-	3849956
	21	47	735	687923	38919	726842	-145216	-	872058
	Total:	1511	31310	22068080	2258345	24326425	-31401504	1844040	57571969
AL14									
	01	137	782	649760	71296	721056	-575575	-	1296631
	02	75	1314	1956677	79318	2035995	-1251661	-	3287656
	03	45	109	155968	59039	215007	-207981	-	422988
	04	156	1685	618680	190004	808684	-1921434	-	2730118
	05	49	109	386117	56847	442964	-138802	-	581766
	06	54	699	2182085	42100	2224185	-3153492	-	5377677
	07	104	2039	862476	103887	966363	-2471850	-	3438213
	08	54	1378	809333	33166	842499	-207647	-	1050146
	10	55	51	152750	108197	260947	-75821	-	336768
	11	31	2426	869439	67459	936898	-3609614	-	4546512
	14	119	1944	1045940	280625	1326565	-334981	-	1661546
	15	92	303	778448	171153	949601	-1153430	-	2103031
	16	158	6545	2571146	148165	2719311	-5246912	-	7966223
	17	120	4383	3019964	341407	3361371	-1979848	-	5341219
	18	142	154	359001	180982	539983	-759164	-	1299147
	20	73	2294	1368407	63391	1431798	-2395704	-	3827502
	21	47	427	493738	40196	533934	-61093	-	595027
	Total:	1511	26642	18279929	2037232	20317161	-25545009	2619936	48482106
AL15									
	01	137	782	649001	71776	720777	-575350	-	1296127
	02	75	1314	1956677	79318	2035995	-1251661	-	3287656
	03	45	128	188424	63145	251569	-211585	-	463154
	04	156	1685	618809	189987	808796	-1921434	-	2730230
	05	49	112	391340	56868	448208	-140876	-	589084
	06	54	699	2180926	42705	2223631	-3152524	-	5376155
	07	104	2039	860820	109399	970219	-2471436	-	3441655
	08	54	1415	873285	31633	904918	-208039	-	1112957
	10	55	51	152750	108197	260947	-75821	-	336768
	11	31	2426	869439	67459	936898	-3609614	-	4546512
	14	119	1944	1045770	280903	1326673	-334981	-	1661654
	15	92	303	778282	171165	949447	-1153226	-	2102673
	16	158	6545	2571155	148165	2719320	-5246912	-	7966232
	17	120	4388	3038197	343431	3381628	-1983059	-	5364687
	18	142	123	313751	182400	496151	-597215	-	1093366
	20	73	2294	1368407	63391	1431798	-2395704	-	3827502
	21	47	427	493738	40196	533934	-61093	-	595027
	Total:	1511	26675	18350771	2050138	20400909	-25390530	2619936	48411375

National Airtanker Study  
Summary By Alternative and Forest  
(Without Breakdown Of NVC)  
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		Annual Expected Values						AT	UNIT'S
ALT	UN	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	PROG COST	ALT COSTS
AL16									
	01	137	782	649760	71296	721056	-575575	-	1296631
	02	75	1315	1958264	79841	2038105	-1252521	-	3290626
	03	45	132	189045	63143	252188	-218915	-	471103
	04	156	1685	618685	189987	808672	-1921434	-	2730106
	05	49	112	391340	56868	448208	-140876	-	589084
	06	54	699	2182085	42100	2224185	-3153492	-	5377677
	07	104	2039	862476	103887	966363	-2471850	-	3438213
	08	54	1415	873285	31633	904918	-208039	-	1112957
	10	55	51	152750	108197	260947	-75821	-	336768
	11	31	2426	869439	67459	936898	-3609614	-	4546512
	14	119	1944	1045948	280625	1326573	-334981	-	1661554
	15	92	301	775645	170863	946508	-1149390	-	2095898
	16	158	6545	2571155	148165	2719320	-5246912	-	7966232
	17	120	4388	3038197	343431	3381628	-1983059	-	5364687
	18	142	154	359001	180982	539983	-759164	-	1299147
	20	73	2295	1370188	61853	1432041	-2397772	-	3829813
	21	47	427	493738	40196	533934	-61093	-	595027
Total:		1511	26710	18401001	2040526	20441527	-25560508	2619936	48621971
AL17									
	01	137	782	649760	71296	721056	-575575	-	1296631
	02	75	1314	1956677	79318	2035995	-1251661	-	3287656
	03	45	132	189045	63143	252188	-218915	-	471103
	04	156	1685	618813	189987	808800	-1921434	-	2730234
	05	49	112	391340	56868	448208	-140876	-	589084
	06	54	699	2182085	42100	2224185	-3153492	-	5377677
	07	104	2039	862476	103887	966363	-2471850	-	3438213
	08	54	1415	873285	31633	904918	-208039	-	1112957
	10	55	51	152750	108197	260947	-75821	-	336768
	11	31	2426	869439	67459	936898	-3609614	-	4546512
	14	119	1621	968770	277828	1246598	-332773	-	1579371
	15	92	303	778448	171153	949601	-1153430	-	2103031
	16	158	6539	2566773	206207	2772980	-5209973	-	7982953
	17	120	4388	3038197	343431	3381628	-1983059	-	5364687
	18	142	154	359001	180982	539983	-759164	-	1299147
	20	73	2294	1368407	63391	1431798	-2395704	-	3827502
	21	47	427	493738	40196	533934	-61093	-	595027
Total:		1511	26381	18319004	2097076	20416080	-25522473	2619936	48558489
AL18									
	01	137	782	649760	71296	721056	-575575	-	1296631
	02	75	1314	1955736	80517	2036253	-1251382	-	3287635
	03	45	132	189045	63143	252188	-218915	-	471103
	04	156	1685	618813	189987	808800	-1921434	-	2730234
	05	49	112	391340	56868	448208	-140876	-	589084
	06	54	699	2182085	42100	2224185	-3153492	-	5377677
	07	104	2039	862476	103887	966363	-2471850	-	3438213
	08	54	1415	873285	31633	904918	-208039	-	1112957
	10	55	51	152572	111769	264341	-75759	-	340100
	11	31	2426	869836	68655	938491	-3610407	-	4548898
	14	119	1944	1045940	280625	1326565	-334981	-	1661546
	15	92	300	772184	170527	942711	-1144038	-	2086749
	16	158	6545	2571155	148165	2719320	-5246912	-	7966232
	17	120	4388	3038197	343431	3381628	-1983059	-	5364687
	18	142	154	359751	181918	541669	-758271	-	1299940
	20	73	2291	1361548	61823	1423371	-2393323	-	3816694
	21	47	427	493738	40196	533934	-61093	-	595027
Total:		1511	26704	18387461	2046540	20434001	-25549406	2619936	48603343

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

		Annual Expected Values							
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL19									
	01	137	782	649760	71296	721056	-575575	-	1296631
	02	75	1314	1956677	79318	2035995	-1251661	-	3287656
	03	45	93	145153	52100	197253	-180361	-	377614
	04	156	1685	618680	190004	808684	-1921434	-	2730118
	05	49	112	391340	56868	448208	-140876	-	589084
	06	54	694	2162879	40967	2203846	-3130991	-	5334837
	07	104	2039	862476	103887	966363	-2471850	-	3438213
	08	54	1415	873285	31633	904918	-208039	-	1112957
	10	55	51	152750	108197	260947	-75821	-	336768
	11	31	2426	869439	67459	936898	-3609614	-	4546512
	14	119	1944	1045948	280625	1326573	-334981	-	1661554
	15	92	303	778448	171153	949601	-1153430	-	2103031
	16	158	6545	2571146	148165	2719311	-5246912	-	7966223
	17	120	4388	3038197	343431	3381628	-1983059	-	5364687
	18	142	154	359001	180982	539983	-759164	-	1299147
	20	73	2294	1368407	63391	1431798	-2395704	-	3827502
	21	47	427	493738	40196	533934	-61093	-	595027
Total:		1511	26666	18337324	2029672	20366996	-25500565	2650936	48518497
AL20									
	01	137	782	649760	71296	721056	-575575	-	1296631
	02	75	1314	1956677	79318	2035995	-1251661	-	3287656
	03	45	132	189045	63143	252188	-218915	-	471103
	04	156	1685	618809	189987	808796	-1921434	-	2730230
	05	49	112	391340	56868	448208	-140876	-	589084
	06	54	699	2182085	42100	2224185	-3153492	-	5377677
	07	104	2039	862476	103887	966363	-2471850	-	3438213
	08	54	1383	757583	27066	784649	-213673	-	998322
	10	55	51	152750	108197	260947	-75821	-	336768
	11	31	2426	869439	67459	936898	-3609614	-	4546512
	14	119	1944	1045948	280625	1326573	-334981	-	1661554
	15	92	303	778448	171153	949601	-1153430	-	2103031
	16	158	6545	2571146	148165	2719311	-5246912	-	7966223
	17	120	4382	3020318	341628	3361946	-1977453	-	5339399
	18	142	154	359001	180982	539983	-759164	-	1299147
	20	73	2294	1368407	63391	1431798	-2395704	-	3827502
	21	47	429	508410	39576	547986	-61258	-	609244
Total:		1511	26674	18281642	2034841	20316483	-25561813	2649360	48527656

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL01									
01	124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09	
02	63.56	9.81	0.51	0.45	0.06	0.17	0.12	74.68	
03	34.52	9.63	0.54	0.22	0.16	0.00	0.00	45.07	
04	139.92	14.69	1.28	0.00	0.08	0.13	0.14	156.24	
05	36.64	11.02	1.02	0.11	0.11	0.00	0.00	48.90	
06	45.70	6.90	0.97	0.28	0.09	0.10	0.02	54.06	
07	82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07	
08	43.31	8.76	1.05	0.13	0.25	0.28	0.06	53.84	
10	42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49	
11	23.02	6.82	0.63	0.48	0.14	0.00	0.04	31.13	
14	83.36	33.51	1.92	0.08	0.12	0.12	0.12	119.23	
15	77.44	13.59	0.87	0.40	0.13	0.05	0.00	92.48	
16	131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04	
17	83.12	33.29	3.25	0.15	0.13	0.06	0.19	120.19	
18	125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40	
20	57.78	13.75	0.71	0.17	0.27	0.18	0.07	72.93	
21	37.78	7.73	0.96	0.19	0.14	0.05	0.01	46.86	
Total:	1232.51	252.28	19.10	3.74	2.16	1.73	1.18	1512.70	
AL02									
01	124.79	7.87	3.44	0.58	0.28	0.10	0.04	137.10	
02	63.56	9.21	0.86	0.52	0.16	0.22	0.13	74.66	
03	34.52	7.62	2.27	0.35	0.30	0.00	0.00	45.06	
04	139.87	12.90	2.40	0.20	0.26	0.32	0.28	156.23	
05	36.34	10.44	1.90	0.11	0.11	0.00	0.00	48.90	
06	45.70	6.27	1.11	0.77	0.09	0.10	0.02	54.06	
07	79.39	21.59	1.64	0.73	0.36	0.32	0.05	104.08	
08	43.31	7.65	1.70	0.31	0.50	0.31	0.06	53.84	
10	28.50	19.67	6.97	0.28	0.07	0.00	0.00	55.49	
11	22.78	6.48	1.16	0.53	0.14	0.00	0.04	31.13	
14	69.47	37.23	10.79	0.32	0.96	0.30	0.15	119.22	
15	77.38	13.14	1.14	0.41	0.31	0.10	0.00	92.48	
16	131.46	19.85	3.39	1.89	0.29	0.62	0.53	158.03	
17	65.24	44.70	9.23	0.56	0.15	0.10	0.21	120.19	
18	124.33	10.91	5.24	1.52	0.36	0.00	0.05	142.41	
20	57.02	14.09	1.04	0.25	0.30	0.18	0.07	72.95	
21	37.28	7.98	1.11	0.20	0.23	0.05	0.02	46.87	
Total:	1180.94	257.60	55.39	9.53	4.87	2.72	1.65	1512.70	
AL03									
01	124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09	
02	63.56	9.81	0.51	0.45	0.06	0.17	0.12	74.68	
03	34.52	9.49	0.63	0.27	0.16	0.00	0.00	45.07	
04	139.91	14.70	1.28	0.00	0.08	0.13	0.14	156.24	
05	36.64	10.83	1.21	0.11	0.11	0.00	0.00	48.90	
06	45.70	6.90	0.97	0.28	0.09	0.10	0.02	54.06	
07	82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07	
08	43.31	8.64	1.14	0.16	0.25	0.28	0.06	53.84	
10	42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49	
11	23.02	6.82	0.63	0.48	0.14	0.00	0.04	31.13	
14	83.36	33.61	1.90	0.00	0.12	0.12	0.12	119.23	
15	77.44	13.59	0.87	0.40	0.13	0.05	0.00	92.48	
16	131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04	
17	83.12	33.19	3.32	0.15	0.13	0.09	0.21	120.21	
18	125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40	
20	57.78	13.75	0.71	0.17	0.27	0.18	0.07	72.93	
21	37.78	7.73	0.96	0.19	0.14	0.05	0.01	46.86	
Total:	1232.50	251.84	19.52	3.74	2.16	1.76	1.20	1512.72	

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL04									
01	124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09	
02	63.56	9.81	0.51	0.45	0.06	0.17	0.12	74.68	
03	35.12	9.26	0.46	0.08	0.16	0.00	0.00	45.08	
04	139.91	14.70	1.28	0.00	0.08	0.13	0.14	156.24	
05	36.64	10.82	1.22	0.11	0.11	0.00	0.00	48.90	
06	45.70	6.90	0.97	0.28	0.09	0.10	0.02	54.06	
07	82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07	
08	43.31	8.63	1.15	0.16	0.25	0.28	0.06	53.84	
10	42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49	
11	23.02	6.82	0.63	0.48	0.14	0.00	0.04	31.13	
14	83.36	33.59	1.92	0.00	0.12	0.12	0.12	119.23	
15	77.44	13.59	0.87	0.40	0.13	0.05	0.00	92.48	
16	131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04	
17	83.12	33.19	3.34	0.15	0.13	0.06	0.21	120.20	
18	125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40	
20	57.78	13.75	0.71	0.17	0.27	0.18	0.07	72.93	
21	37.78	7.67	1.01	0.19	0.15	0.05	0.01	46.86	
Total:	1233.10	251.51	19.46	3.55	2.17	1.73	1.20	1512.72	
AL05									
01	124.79	8.26	3.39	0.42	0.11	0.06	0.04	137.07	
02	63.56	9.65	0.58	0.51	0.06	0.20	0.12	74.68	
03	34.52	9.03	1.06	0.28	0.18	0.00	0.00	45.07	
04	139.91	14.11	1.65	0.07	0.10	0.18	0.22	156.24	
05	36.64	10.68	1.36	0.11	0.11	0.00	0.00	48.90	
06	45.70	6.40	1.44	0.31	0.09	0.10	0.02	54.06	
07	82.88	19.25	0.95	0.44	0.19	0.30	0.05	104.06	
08	43.31	8.24	1.19	0.25	0.50	0.28	0.06	53.83	
10	42.03	12.31	1.00	0.11	0.03	0.00	0.00	55.48	
11	23.02	6.82	0.58	0.53	0.14	0.00	0.04	31.13	
14	83.36	30.22	4.25	0.20	0.82	0.24	0.13	119.22	
15	77.44	13.20	1.14	0.41	0.22	0.08	0.00	92.49	
16	131.58	23.35	1.97	0.30	0.26	0.28	0.33	158.07	
17	83.12	33.19	3.29	0.15	0.13	0.10	0.21	120.19	
18	124.89	14.70	2.48	0.06	0.23	0.00	0.05	142.41	
20	57.78	13.70	0.77	0.17	0.27	0.18	0.07	72.94	
21	37.78	7.65	1.01	0.19	0.15	0.05	0.02	46.85	
Total:	1232.31	240.76	28.11	4.51	3.59	2.05	1.36	1512.69	
AL06									
01	124.79	8.26	3.39	0.42	0.11	0.06	0.04	137.07	
02	63.56	9.65	0.58	0.51	0.06	0.20	0.12	74.68	
03	34.52	9.46	0.66	0.28	0.16	0.00	0.00	45.08	
04	139.90	14.11	1.65	0.07	0.10	0.18	0.22	156.23	
05	36.64	11.02	1.02	0.11	0.11	0.00	0.00	48.90	
06	45.70	6.40	1.44	0.31	0.09	0.10	0.02	54.06	
07	82.88	19.25	0.95	0.44	0.19	0.30	0.05	104.06	
08	43.31	8.76	1.05	0.13	0.25	0.28	0.06	53.84	
10	42.03	12.31	1.00	0.11	0.03	0.00	0.00	55.48	
11	23.02	6.82	0.58	0.53	0.14	0.00	0.04	31.13	
14	83.36	30.22	4.31	0.20	0.76	0.24	0.13	119.22	
15	77.44	13.20	1.14	0.41	0.22	0.08	0.00	92.49	
16	131.58	23.35	1.97	0.30	0.26	0.28	0.33	158.07	
17	83.12	33.29	3.25	0.15	0.13	0.06	0.19	120.19	
18	124.89	14.70	2.48	0.06	0.23	0.00	0.05	142.41	
20	57.78	13.70	0.77	0.17	0.27	0.18	0.07	72.94	
21	37.78	7.73	0.96	0.19	0.14	0.05	0.01	46.86	
Total:	1232.30	242.23	27.20	4.39	3.25	2.01	1.33	1512.71	

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL07									
01	124.79	8.63	3.06	0.45	0.06	0.05	0.04	137.08	
02	63.56	9.65	0.58	0.51	0.06	0.20	0.12	74.68	
03	34.52	9.13	0.97	0.28	0.16	0.00	0.00	45.06	
04	139.90	14.49	1.47	0.01	0.09	0.15	0.14	156.25	
05	36.64	10.68	1.36	0.11	0.11	0.00	0.00	48.90	
06	45.70	6.58	1.26	0.31	0.09	0.10	0.02	54.06	
07	82.88	19.55	0.67	0.43	0.19	0.30	0.05	104.07	
08	43.31	8.24	1.19	0.25	0.50	0.28	0.06	53.83	
10	42.03	12.31	1.00	0.11	0.03	0.00	0.00	55.48	
11	23.02	6.82	0.58	0.53	0.14	0.00	0.04	31.13	
14	83.36	32.18	2.45	0.08	0.78	0.23	0.13	119.21	
15	77.44	13.22	1.13	0.40	0.22	0.08	0.00	92.49	
16	131.58	23.35	1.97	0.30	0.26	0.28	0.33	158.07	
17	83.12	33.19	3.32	0.15	0.13	0.07	0.21	120.19	
18	125.08	14.95	2.10	0.02	0.20	0.00	0.05	142.40	
20	57.78	13.70	0.77	0.17	0.27	0.18	0.07	72.94	
21	37.78	7.65	1.01	0.19	0.15	0.05	0.02	46.85	
Total:	1232.49	244.32	24.89	4.30	3.44	1.97	1.28	1512.69	
AL08									
01	124.79	8.26	3.39	0.42	0.11	0.06	0.04	137.07	
02	63.56	9.78	0.48	0.48	0.06	0.20	0.12	74.68	
03	34.52	9.03	1.06	0.28	0.18	0.00	0.00	45.07	
04	139.90	14.11	1.65	0.07	0.10	0.18	0.22	156.23	
05	36.64	10.68	1.36	0.11	0.11	0.00	0.00	48.90	
06	45.70	6.40	1.44	0.31	0.09	0.10	0.02	54.06	
07	82.88	19.25	0.95	0.44	0.19	0.30	0.05	104.06	
08	43.31	8.24	1.19	0.25	0.50	0.28	0.06	53.83	
10	42.03	12.51	0.85	0.06	0.03	0.00	0.00	55.48	
11	23.02	6.82	0.58	0.53	0.14	0.00	0.04	31.13	
14	83.36	30.22	4.25	0.20	0.82	0.24	0.13	119.22	
15	77.44	13.38	0.98	0.41	0.22	0.06	0.00	92.49	
16	131.58	23.35	1.97	0.30	0.26	0.28	0.33	158.07	
17	83.12	33.19	3.29	0.15	0.13	0.10	0.21	120.19	
18	124.89	15.11	2.15	0.00	0.20	0.00	0.05	142.40	
20	57.78	13.75	0.71	0.17	0.27	0.18	0.07	72.93	
21	37.78	7.65	1.01	0.19	0.15	0.05	0.02	46.85	
Total:	1232.30	241.73	27.31	4.37	3.56	2.03	1.36	1512.66	
AL09									
01	124.79	8.26	3.39	0.42	0.11	0.06	0.04	137.07	
02	63.56	9.65	0.58	0.51	0.06	0.20	0.12	74.68	
03	34.52	9.03	1.06	0.28	0.18	0.00	0.00	45.07	
04	139.91	14.23	1.67	0.04	0.10	0.15	0.14	156.24	
05	36.64	10.68	1.36	0.11	0.11	0.00	0.00	48.90	
06	45.70	6.40	1.44	0.31	0.09	0.10	0.02	54.06	
07	82.88	19.25	0.95	0.44	0.19	0.30	0.05	104.06	
08	43.31	8.24	1.19	0.25	0.50	0.28	0.06	53.83	
10	42.03	12.31	1.00	0.11	0.03	0.00	0.00	55.48	
11	23.02	6.82	0.58	0.53	0.14	0.00	0.04	31.13	
14	83.36	31.38	3.68	0.08	0.47	0.13	0.12	119.22	
15	77.44	13.20	1.14	0.41	0.22	0.08	0.00	92.49	
16	131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04	
17	83.12	33.19	3.29	0.15	0.13	0.10	0.21	120.19	
18	124.89	14.70	2.48	0.06	0.23	0.00	0.05	142.41	
20	57.78	13.70	0.77	0.17	0.27	0.18	0.07	72.94	
21	37.78	7.65	1.01	0.19	0.15	0.05	0.02	46.85	
Total:	1232.31	243.10	26.64	4.27	3.21	1.88	1.25	1512.66	

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----									
AL10									
	01	124.79	8.26	3.39	0.42	0.11	0.06	0.04	137.07
	02	63.56	9.77	0.47	0.54	0.06	0.17	0.12	74.69
	03	34.52	9.03	1.06	0.28	0.18	0.00	0.00	45.07
	04	139.90	14.11	1.65	0.07	0.10	0.18	0.22	156.23
	05	36.64	10.68	1.36	0.11	0.11	0.00	0.00	48.90
	06	45.70	6.40	1.44	0.31	0.09	0.10	0.02	54.06
	07	82.88	19.25	0.95	0.44	0.19	0.30	0.05	104.06
	08	43.31	8.24	1.19	0.25	0.50	0.28	0.06	53.83
	10	42.03	13.19	0.24	0.03	0.00	0.00	0.00	55.49
	11	22.88	6.96	0.58	0.53	0.14	0.00	0.04	31.13
	14	83.36	30.22	4.25	0.20	0.82	0.24	0.13	119.22
	15	77.44	13.54	0.83	0.40	0.22	0.06	0.00	92.49
	16	131.58	23.35	1.97	0.30	0.26	0.28	0.33	158.07
	17	83.12	33.19	3.29	0.15	0.13	0.10	0.21	120.19
	18	124.89	14.96	2.28	0.02	0.20	0.00	0.05	142.40
	20	57.78	13.74	0.73	0.17	0.27	0.18	0.07	72.94
	21	37.78	7.65	1.01	0.19	0.15	0.05	0.02	46.85
	Total:	1232.16	242.54	26.69	4.41	3.53	2.00	1.36	1512.69
AL11									
	01	124.79	8.64	3.05	0.40	0.10	0.06	0.04	137.08
	02	63.56	9.68	0.55	0.49	0.08	0.20	0.12	74.68
	03	34.52	9.47	0.64	0.28	0.16	0.00	0.00	45.07
	04	139.91	14.41	1.39	0.03	0.09	0.18	0.22	156.23
	05	36.64	10.99	1.05	0.11	0.11	0.00	0.00	48.90
	06	45.70	6.41	1.43	0.31	0.09	0.10	0.02	54.06
	07	82.88	19.78	0.20	0.68	0.19	0.30	0.05	104.08
	08	43.31	8.74	1.03	0.13	0.25	0.31	0.06	53.83
	10	42.03	12.96	0.41	0.08	0.01	0.00	0.00	55.49
	11	23.02	6.82	0.58	0.53	0.14	0.00	0.04	31.13
	14	83.36	31.12	3.62	0.08	0.68	0.23	0.12	119.21
	15	77.44	13.55	0.81	0.40	0.22	0.07	0.00	92.49
	16	131.58	23.66	1.73	0.23	0.28	0.25	0.31	158.04
	17	83.12	33.29	3.19	0.15	0.13	0.10	0.21	120.19
	18	125.08	15.42	1.72	0.00	0.15	0.00	0.02	142.39
	20	57.78	13.72	0.75	0.17	0.27	0.18	0.07	72.94
	21	37.78	7.48	1.15	0.19	0.19	0.05	0.02	46.86
	Total:	1232.50	246.14	23.30	4.26	3.14	2.03	1.30	1512.67
AL12									
	01	124.79	8.67	3.03	0.40	0.10	0.06	0.04	137.09
	02	63.56	9.68	0.55	0.49	0.08	0.20	0.12	74.68
	03	34.52	9.47	0.64	0.28	0.16	0.00	0.00	45.07
	04	139.91	14.41	1.39	0.03	0.09	0.18	0.22	156.23
	05	36.64	10.99	1.05	0.11	0.11	0.00	0.00	48.90
	06	45.70	6.41	1.43	0.31	0.09	0.10	0.02	54.06
	07	82.88	19.93	0.20	0.53	0.19	0.30	0.05	104.08
	08	43.31	8.73	1.03	0.14	0.25	0.31	0.06	53.83
	10	42.03	12.96	0.41	0.08	0.01	0.00	0.00	55.49
	11	23.02	6.82	0.58	0.53	0.14	0.00	0.04	31.13
	14	83.36	31.12	3.60	0.08	0.70	0.23	0.12	119.21
	15	77.44	13.55	0.81	0.40	0.22	0.07	0.00	92.49
	16	131.58	23.66	1.73	0.23	0.28	0.25	0.31	158.04
	17	83.12	33.23	3.24	0.15	0.13	0.10	0.21	120.18
	18	125.08	15.42	1.72	0.00	0.15	0.00	0.02	142.39
	20	57.78	13.72	0.75	0.17	0.27	0.18	0.07	72.94
	21	37.78	7.48	1.15	0.19	0.19	0.05	0.02	46.86
	Total:	1232.50	246.25	23.31	4.12	3.16	2.03	1.30	1512.67

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL13									
01		124.79	8.67	3.03	0.40	0.10	0.06	0.04	137.09
02		63.56	9.55	0.66	0.49	0.09	0.22	0.12	74.69
03		34.52	9.47	0.64	0.28	0.16	0.00	0.00	45.07
04		139.87	14.36	1.48	0.03	0.10	0.18	0.22	156.24
05		36.64	10.99	1.05	0.11	0.11	0.00	0.00	48.90
06		45.70	6.41	1.43	0.31	0.09	0.10	0.02	54.06
07		82.88	19.93	0.20	0.53	0.19	0.30	0.05	104.08
08		43.31	8.74	1.03	0.13	0.25	0.31	0.06	53.83
10		42.80	12.29	0.21	0.19	0.00	0.00	0.00	55.49
11		23.02	6.82	0.58	0.53	0.14	0.00	0.04	31.13
14		80.46	29.39	8.09	0.08	0.83	0.24	0.15	119.24
15		77.44	13.20	1.12	0.41	0.22	0.09	0.00	92.48
16		131.58	22.39	3.01	0.23	0.28	0.25	0.31	158.05
17		83.12	33.29	3.18	0.15	0.13	0.10	0.21	120.18
18		125.08	15.04	2.03	0.00	0.20	0.00	0.05	142.40
20		57.78	13.75	0.71	0.17	0.27	0.18	0.07	72.93
21		37.78	7.48	1.15	0.19	0.19	0.05	0.02	46.86
Total:		1230.33	241.77	29.60	4.23	3.35	2.08	1.36	1512.72
AL14									
01		124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09
02		63.56	9.81	0.51	0.45	0.06	0.17	0.12	74.68
03		34.52	9.82	0.45	0.12	0.16	0.00	0.00	45.07
04		139.92	14.70	1.28	0.00	0.08	0.13	0.14	156.25
05		36.64	11.05	1.00	0.11	0.11	0.00	0.00	48.91
06		45.70	6.90	0.97	0.28	0.09	0.10	0.02	54.06
07		82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07
08		43.31	8.54	1.41	0.16	0.07	0.28	0.06	53.83
10		42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49
11		23.02	6.82	0.63	0.48	0.14	0.00	0.04	31.13
14		83.36	33.51	1.92	0.08	0.12	0.12	0.12	119.23
15		77.44	13.59	0.87	0.40	0.13	0.05	0.00	92.48
16		131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04
17		83.12	33.32	3.22	0.15	0.13	0.06	0.19	120.19
18		125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40
20		57.78	13.75	0.80	0.08	0.27	0.18	0.07	72.93
21		37.78	7.73	0.96	0.19	0.14	0.05	0.01	46.86
Total:		1232.51	252.32	19.41	3.58	1.98	1.73	1.18	1512.71
AL15									
01		124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09
02		63.56	9.81	0.51	0.45	0.06	0.17	0.12	74.68
03		34.52	9.67	0.52	0.21	0.16	0.00	0.00	45.08
04		139.91	14.70	1.28	0.00	0.08	0.13	0.14	156.24
05		36.64	11.02	1.02	0.11	0.11	0.00	0.00	48.90
06		45.70	6.90	0.97	0.28	0.09	0.10	0.02	54.06
07		82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07
08		43.31	8.76	1.05	0.13	0.25	0.28	0.06	53.84
10		42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49
11		23.02	6.82	0.63	0.48	0.14	0.00	0.04	31.13
14		83.36	33.51	1.92	0.08	0.12	0.12	0.12	119.23
15		77.44	13.59	0.87	0.40	0.13	0.05	0.00	92.48
16		131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04
17		83.12	33.29	3.25	0.15	0.13	0.06	0.19	120.19
18		125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40
20		57.78	13.75	0.80	0.08	0.27	0.18	0.07	72.93
21		37.78	7.73	0.96	0.19	0.14	0.05	0.01	46.86
Total:		1232.50	252.33	19.17	3.64	2.16	1.73	1.18	1512.71



National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL16									
	01	124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09
	02	63.56	9.72	0.59	0.45	0.06	0.17	0.12	74.67
	03	34.52	9.63	0.54	0.22	0.16	0.00	0.00	45.07
	04	139.91	14.69	1.28	0.00	0.08	0.13	0.14	156.23
	05	36.64	11.02	1.02	0.11	0.11	0.00	0.00	48.90
	06	45.70	6.90	0.97	0.28	0.09	0.10	0.02	54.06
	07	82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07
	08	43.31	8.76	1.05	0.13	0.25	0.28	0.06	53.84
	10	42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49
	11	23.02	6.82	0.63	0.48	0.14	0.00	0.04	31.13
	14	83.36	33.51	1.92	0.08	0.12	0.12	0.12	119.23
	15	77.44	13.64	0.82	0.40	0.13	0.05	0.00	92.48
	16	131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04
	17	83.12	33.29	3.25	0.15	0.13	0.06	0.19	120.19
	18	125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40
	20	57.78	13.75	0.72	0.17	0.27	0.18	0.07	72.94
	21	37.78	7.73	0.96	0.19	0.14	0.05	0.01	46.86
	Total:	1232.50	252.24	19.14	3.74	2.16	1.73	1.18	1512.69
AL17									
	01	124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09
	02	63.56	9.81	0.51	0.45	0.06	0.17	0.12	74.68
	03	34.52	9.63	0.54	0.22	0.16	0.00	0.00	45.07
	04	139.91	14.69	1.28	0.00	0.08	0.13	0.14	156.23
	05	36.64	11.02	1.02	0.11	0.11	0.00	0.00	48.90
	06	45.70	6.90	0.97	0.28	0.09	0.10	0.02	54.06
	07	82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07
	08	43.31	8.76	1.05	0.13	0.25	0.28	0.06	53.84
	10	42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49
	11	23.02	6.82	0.63	0.48	0.14	0.00	0.04	31.13
	14	83.36	33.52	1.82	0.00	0.32	0.10	0.08	119.20
	15	77.44	13.59	0.87	0.40	0.13	0.05	0.00	92.48
	16	131.58	24.41	1.06	0.21	0.23	0.25	0.31	158.05
	17	83.12	33.29	3.25	0.15	0.13	0.06	0.19	120.19
	18	125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40
	20	57.78	13.75	0.80	0.08	0.27	0.18	0.07	72.93
	21	37.78	7.73	0.96	0.19	0.14	0.05	0.01	46.86
	Total:	1232.50	252.29	19.10	3.57	2.36	1.71	1.14	1512.67
AL18									
	01	124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09
	02	63.56	9.81	0.51	0.45	0.06	0.17	0.12	74.68
	03	34.52	9.63	0.54	0.22	0.16	0.00	0.00	45.07
	04	139.91	14.69	1.28	0.00	0.08	0.13	0.14	156.23
	05	36.64	11.02	1.02	0.11	0.11	0.00	0.00	48.90
	06	45.70	6.90	0.97	0.28	0.09	0.10	0.02	54.06
	07	82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07
	08	43.31	8.76	1.05	0.13	0.25	0.28	0.06	53.84
	10	42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49
	11	22.88	6.96	0.63	0.48	0.14	0.00	0.04	31.13
	14	83.36	33.51	1.92	0.08	0.12	0.12	0.12	119.23
	15	77.44	13.69	0.77	0.40	0.13	0.05	0.00	92.48
	16	131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04
	17	83.12	33.29	3.25	0.15	0.13	0.06	0.19	120.19
	18	125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40
	20	57.78	13.80	0.67	0.17	0.27	0.18	0.07	72.94
	21	37.78	7.73	0.96	0.19	0.14	0.05	0.01	46.86
	Total:	1232.36	252.57	18.96	3.74	2.16	1.73	1.18	1512.70

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----									
AL19									
	01	124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09
	02	63.56	9.81	0.51	0.45	0.06	0.17	0.12	74.68
	03	35.46	9.18	0.20	0.08	0.16	0.00	0.00	45.08
	04	139.92	14.70	1.28	0.00	0.08	0.13	0.14	156.25
	05	36.64	11.02	1.02	0.11	0.11	0.00	0.00	48.90
	06	45.70	7.06	0.83	0.27	0.09	0.10	0.02	54.07
	07	82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07
	08	43.31	8.76	1.05	0.13	0.25	0.28	0.06	53.84
	10	42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49
	11	23.02	6.82	0.63	0.48	0.14	0.00	0.04	31.13
	14	83.36	33.51	1.92	0.08	0.12	0.12	0.12	119.23
	15	77.44	13.59	0.87	0.40	0.13	0.05	0.00	92.48
	16	131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04
	17	83.12	33.29	3.25	0.15	0.13	0.06	0.19	120.19
	18	125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40
	20	57.78	13.75	0.80	0.08	0.27	0.18	0.07	72.93
	21	37.78	7.73	0.96	0.19	0.14	0.05	0.01	46.86
	Total:	1233.45	252.00	18.71	3.50	2.16	1.73	1.18	1512.73
AL20									
	01	124.79	8.66	3.04	0.45	0.06	0.05	0.04	137.09
	02	63.56	9.81	0.51	0.45	0.06	0.17	0.12	74.68
	03	34.52	9.63	0.54	0.22	0.16	0.00	0.00	45.07
	04	139.91	14.70	1.28	0.00	0.08	0.13	0.14	156.24
	05	36.64	11.02	1.02	0.11	0.11	0.00	0.00	48.90
	06	45.70	6.90	0.97	0.28	0.09	0.10	0.02	54.06
	07	82.88	20.06	0.25	0.35	0.19	0.29	0.05	104.07
	08	43.31	8.98	1.05	0.09	0.05	0.30	0.05	53.83
	10	42.03	12.99	0.40	0.07	0.00	0.00	0.00	55.49
	11	23.02	6.82	0.63	0.48	0.14	0.00	0.04	31.13
	14	83.36	33.51	1.92	0.08	0.12	0.12	0.12	119.23
y	15	77.44	13.59	0.87	0.40	0.13	0.05	0.00	92.48
	16	131.58	24.41	1.05	0.21	0.23	0.25	0.31	158.04
	17	83.12	33.34	3.20	0.15	0.13	0.06	0.19	120.19
	18	125.08	16.66	0.65	0.00	0.00	0.00	0.01	142.40
	20	57.78	13.75	0.80	0.08	0.27	0.18	0.07	72.93
	21	37.68	7.80	1.02	0.18	0.15	0.05	0.01	46.89
	Total:	1232.40	252.63	19.20	3.60	1.97	1.75	1.17	1512.72

National Airtanker Study										
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class										
ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL01										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		58.59	78.75	8.71	2.70	1.80	1.66	1.14	153.35
	A5		0.00	1.63	2.48	1.07	0.76	0.55	0.32	6.81
	A7		15.99	18.21	4.25	1.93	0.94	0.85	0.37	42.54
	Sum:		74.58	98.59	15.44	5.70	3.50	3.06	1.83	202.70
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		74.98	98.73	15.81	5.73	3.61	3.08	1.84	203.78
-----Summary-----										
AL02										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
	Sum:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----Summary-----										
AL03										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		55.11	76.72	9.12	2.57	1.80	1.66	1.16	148.14
	A5		0.00	2.39	2.62	1.27	0.76	0.61	0.34	7.99
	A7		18.43	19.62	4.26	1.92	0.94	0.85	0.37	46.39
	Sum:		73.54	98.73	16.00	5.76	3.50	3.12	1.87	202.52
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		73.94	98.87	16.37	5.79	3.61	3.14	1.88	203.60
-----Summary-----										
AL04										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		56.25	76.85	8.93	2.38	1.79	1.63	1.14	148.97
	A5		0.50	2.16	2.65	1.10	0.78	0.58	0.35	8.12
	A7		18.43	19.54	4.25	1.92	0.94	0.85	0.37	46.30
	Sum:		75.18	98.55	15.83	5.40	3.51	3.06	1.86	203.39
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		75.58	98.69	16.20	5.43	3.62	3.08	1.87	204.47
-----Summary-----										
AL05										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		73.34	76.73	18.42	3.84	3.34	1.94	1.34	178.95
	A7		0.00	1.40	0.00	0.00	0.00	0.00	0.00	1.40
	Sum:		73.34	78.13	18.42	3.84	3.34	1.94	1.34	180.35
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		73.74	78.27	18.79	3.87	3.45	1.96	1.35	181.43

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL06										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		30.83	18.13	2.93	0.80	0.74	0.44	0.26	54.13
	A5		43.55	62.32	15.96	3.49	2.97	1.76	1.10	131.15
	A7		0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.08
	Sum:		74.38	80.53	18.89	4.29	3.71	2.20	1.36	185.36
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		74.78	80.67	19.26	4.32	3.82	2.22	1.37	186.44
-----Summary-----										
AL07										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		6.89	28.16	6.20	1.67	1.44	0.80	0.41	45.57
	A5		66.64	61.06	14.88	3.63	3.15	1.86	1.26	152.48
	A7		0.00	1.40	0.00	0.00	0.00	0.00	0.00	1.40
	Sum:		73.53	90.62	21.08	5.30	4.59	2.66	1.67	199.45
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		73.93	90.76	21.45	5.33	4.70	2.68	1.68	200.53
-----Summary-----										
AL08										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		2.51	13.92	3.72	0.83	0.63	0.43	0.24	22.28
	A5		70.83	69.40	17.30	3.69	3.30	1.92	1.34	167.78
	A7		0.00	1.40	0.00	0.00	0.00	0.00	0.00	1.40
	Sum:		73.34	84.72	21.02	4.52	3.93	2.35	1.58	191.46
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		73.74	84.86	21.39	4.55	4.04	2.37	1.59	192.54
-----Summary-----										
AL09										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		21.62	23.53	3.96	0.29	0.75	0.53	0.57	51.25
	A5		51.73	54.94	16.19	3.39	2.71	1.62	1.09	131.67
	A7		0.00	3.17	0.35	0.01	0.05	0.05	0.11	3.74
	Sum:		73.35	81.64	20.50	3.69	3.51	2.20	1.77	186.66
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		73.75	81.78	20.87	3.72	3.62	2.22	1.78	187.74
-----Summary-----										
AL10										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		15.85	16.70	3.95	0.95	0.80	0.35	0.25	38.85
	A5		57.35	67.56	16.57	3.45	3.13	1.89	1.32	151.27
	A7		0.00	1.40	0.00	0.00	0.00	0.00	0.00	1.40
	Sum:		73.20	85.66	20.52	4.40	3.93	2.24	1.57	191.52
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		73.60	85.80	20.89	4.43	4.04	2.26	1.58	192.60

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL11										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		58.09	72.71	12.62	3.08	2.70	1.88	1.19	152.27
	A5		0.50	1.58	1.29	0.42	0.58	0.25	0.19	4.81
	A7		15.99	14.51	3.71	1.15	0.78	0.45	0.23	36.82
	Sum:		74.58	88.80	17.62	4.65	4.06	2.58	1.61	193.90
	A9		0.40	0.04	0.43	0.03	0.15	0.02	0.01	1.08
	Total:		74.98	88.84	18.05	4.68	4.21	2.60	1.62	194.98
-----Summary-----										
AL12										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		54.60	65.66	12.58	2.56	2.53	1.58	1.14	140.65
	A5		0.50	1.40	0.69	0.30	0.32	0.12	0.19	3.52
	A7		19.48	21.88	4.86	2.25	1.45	0.97	0.39	51.28
	Sum:		74.58	88.94	18.13	5.11	4.30	2.67	1.72	195.45
	A9		0.40	0.04	0.43	0.03	0.15	0.02	0.01	1.08
	Total:		74.98	88.98	18.56	5.14	4.45	2.69	1.73	196.53
-----Summary-----										
AL13										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		62.37	69.88	19.49	3.02	2.88	1.63	1.22	160.49
	A5		6.56	3.34	3.26	1.34	0.98	0.70	0.41	16.59
	A7		3.49	10.75	4.13	1.11	0.94	0.70	0.43	21.55
	Sum:		72.42	83.97	26.88	5.47	4.80	3.03	2.06	198.63
	A9		0.40	0.04	0.43	0.03	0.15	0.02	0.01	1.08
	Total:		72.82	84.01	27.31	5.50	4.95	3.05	2.07	199.71
-----Summary-----										
AL14										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		55.10	70.26	8.82	2.20	1.44	1.37	1.09	140.28
	A5		0.00	0.80	2.05	0.70	0.24	0.43	0.31	4.53
	A7		19.48	26.26	4.34	1.84	0.94	0.85	0.37	54.08
	Sum:		74.58	97.32	15.21	4.74	2.62	2.65	1.77	198.89
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		74.98	97.46	15.58	4.77	2.73	2.67	1.78	199.97
-----Summary-----										
AL15										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		58.59	78.79	8.78	2.60	1.80	1.66	1.14	153.36
	A5		0.00	1.63	2.57	0.98	0.76	0.55	0.32	6.81
	A7		15.99	14.91	2.75	0.75	0.51	0.34	0.21	35.46
	Sum:		74.58	95.33	14.10	4.33	3.07	2.55	1.67	195.63
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
	Total:		74.98	95.47	14.47	4.36	3.18	2.57	1.68	196.71

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALF NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL16 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		55.10	70.17	8.49	2.35	1.62	1.37	1.09	140.19
	A5		0.00	1.33	1.78	0.87	0.64	0.41	0.27	5.30
	A7		19.48	25.83	3.79	1.70	0.89	0.74	0.26	52.69
Sum:			74.58	97.33	14.06	4.92	3.15	2.52	1.62	198.18
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
Total:			74.98	97.47	14.43	4.95	3.26	2.54	1.63	199.26
AL17 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		55.10	70.22	8.48	2.18	1.82	1.35	1.05	140.20
	A5		0.00	1.51	2.49	0.98	0.76	0.46	0.22	6.42
	A7		19.48	26.26	4.19	1.84	0.94	0.85	0.37	53.93
Sum:			74.58	97.99	15.16	5.00	3.52	2.66	1.64	200.55
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
Total:			74.98	98.13	15.53	5.03	3.63	2.68	1.65	201.63
AL18 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		70.95	80.95	8.97	2.69	1.77	1.37	1.11	167.81
	A5		0.00	1.41	2.03	0.96	0.69	0.46	0.29	5.84
	A7		3.49	12.91	2.70	1.24	0.50	0.60	0.20	21.64
Sum:			74.44	95.27	13.70	4.89	2.96	2.43	1.60	195.29
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
Total:			74.84	95.41	14.07	4.92	3.07	2.45	1.61	196.37
AL19 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		56.04	70.16	8.08	2.11	1.62	1.37	1.09	140.47
	A5		0.00	1.47	2.19	0.84	0.61	0.55	0.32	5.98
	A7		19.48	25.50	3.61	1.57	0.84	0.75	0.35	52.10
Sum:			75.52	97.13	13.88	4.52	3.07	2.67	1.76	198.55
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
Total:			75.92	97.27	14.25	4.55	3.18	2.69	1.77	199.63
AL20 -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		55.00	70.55	8.54	2.10	1.43	1.36	1.07	140.05
	A5		0.00	1.05	2.47	1.04	0.55	0.46	0.32	5.89
	A7		19.48	26.26	4.34	1.84	0.94	0.85	0.37	54.08
Sum:			74.48	97.86	15.35	4.98	2.92	2.67	1.76	200.02
	A9		0.40	0.14	0.37	0.03	0.11	0.02	0.01	1.08
Total:			74.88	98.00	15.72	5.01	3.03	2.69	1.77	201.10

Geographic Area Airtanker Program Cost Data and Detailed Reports for  
Initial Attack Analysis

APPENDIX I.  
Rocky Mountains Geographic Area





United States  
Department of  
Agriculture

Forest  
Service

Rocky  
Mountain  
Region

P.O. Box 25127  
Lakewood, CO 80225-0127  
Delivery: 740 Simms St.  
Golden, CO 80401

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Reply to: 5170

Date: February 2, 1995

Subject: Region Two Airtanker Study (Your ltr11/22/94)

To: Chief

The Region Two portion of the National Airtanker Study has been completed in accordance with your instructions. Data and supporting documentation for Part 1, "Analysis of Scenarios" was sent to Don Carlton; information for Part 2, "Information on Airtanker Bases" was sent to Bernie Lionberger.

We have developed the following recommendations for our airtanker program:

- Upgrade the airtanker based at Jeffco to a turbine aircraft. High altitude performance of recip airtankers often requires circling to cross the Continental Divide or higher elevation east-side initial attack. Since this is the only airtanker east of the Divide, the turbine would also decrease initial attack and large-fire support times, especially along the Front Range urban/rural/wildland interface.
- Upgrade the Grand Junction (BLM) airtanker to a turbine aircraft for the same reasons as the Jeffco airtanker. The Western Slope of Colorado is rapidly growing into an area with high investments (ski areas, resorts), in addition to the increasing urban/rural/wildland interface.
- The Billings airtanker (BLM) remain at Billings to support the northern Wyoming forests.
- An airtanker be located at Rapid City, South Dakota to support the Black Hills and Nebraska National Forests. In addition to being the Region's highest-valued timber resource area, the Black Hills is an area of mixed ownership lands and comprised of urban/rural/wildland interface. A 3000 gallon turbine at Rapid City could support central and eastern Wyoming, southeast Montana, Nebraska, as well as the Black Hills.
- The Region consider options for "auto-dispatch" of airtankers based on preparedness levels, particularly for those units which need to address the issue of high risk/value/hazard potential of the urban/rural/wildland interface.

The need for airtankers in Region Two continues to increase. The National Forests are intermixed with state and private holdings, making multi-jurisdictional urban/rural/wildland interface fires more common and complex. Airtankers will continue to play a larger role for initial attack, support of large fires and safety for our firefighters. With wildfire activity within the Region dramatically increasing in recent years, airtanker response time has proven vital in initial attack of fire in an interface situation.

Chief

2

Since much of the increased need for airtanker capability is predicated on the urban/rural/wildland interface complex and wide-area, long-distance coverage, we will need to address cost-sharing avenues and solicit support of our State Foresters and other federal partners.

Please contact us for further information.

/s/G.Snyder (for)

BJORN DAHL  
Director, State and Private Forestry



UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
Office of Fire and Aviation  
3833 S. Development Avenue  
Boise, Idaho 83705-5354

FEB 9 - 1995

In Reply Refer To:  
9400 (RP-120)

Memorandum

To: Chair, National Air Tanker Study  
From: Director, Office of Fire and Aviation  
Subject: Bureau's Recommendations to the National Air Tanker Study (NATS)

The following are the Bureau of Land Management's (BLM) recommendations to the NATS on location and type (turbine vs. recip) of Office of Aircraft Services (OAS) contracted air tankers for the 1996 contract. We have compiled all of the recommendations for each state in this letter. This information should agree with the geographic area representative's information.

Our recommendations are:

Montana - Retain the air tanker at Billings. Provide the funding to upgrade the base to standards.

Idaho - Retain the air tanker at Pocatello. Upgrade to a turbine aircraft.

Nevada - By rank, our first priority is to add an air tanker at Battle Mountain for a total of three air tankers in the State. If air tanker availability and funding do not allow this additional air tanker there, then we recommend that a shared contract be pursued (perhaps with Alaska). For phase two of the study, we will want to seriously look at moving the air tanker base at Stead to another base, perhaps Battle Mountain.

Colorado - No changes in air tankers.

California - Move the air tanker from Porterville to Mather.

Alaska - No change in air tankers in Alaska. We do recommend that a shared contract be pursued between the States of Alaska (Fairbanks) and Nevada (Battle Mountain). The contracted air tanker would move down from Alaska around the end of July.

Minnesota - No change in air tankers. The Bureau of Indian Affairs will add one additional pit to the Bemidji Tanker Base.

We have made no recommendations concerning the 1000-2000 gallon air tankers or night capabilities. We feel these needs can be better addressed in phase two. We also recommend that phase two address the single engine air tanker issue. These recommendations are based on some analytical data and subjective analysis. We do not see any major changes for the 1996-98 contract period.

If you have any questions concerning this information, please contact Gary Johnson (BLM) at 907-356-5523 or John Piekarski (OAS) at 208-387-5776, our representatives for the study.

RM Forest Service

SC	ALT	FREQ	ACRES	ESC	FF	UMC	TOT	FF	NVC	AT	PG	CT	TOTAL	\$\$	DIFF	AC	DIFF	ALT-Y	DESCRIPTION	TOTAL	
																				D-F	AT
1	1A	438	7543	3783164	85780	3868944	-1925015	171600	5965559	-----	-----	-----	1995 Contract	4.23	0.20	10.58					
1	1B	438	7547	3787926	83090	3871016	-1925592	171600	5968208	-2649	-4	1A-1B	NO BILLINGS	4.26	0.20	12.42					
2	2A	438	7791	3915382	25042	3940424	-2010792	0	14343	-248	1A-2A	No airtankers	4.36	0.21	0.00						
4	4A	438	7506	3758931	108016	3866947	-1921762	199145	5987854	-22295	37	1A-4A	T-3000 @ BJC	3.99	0.20	13.08					
4	4B	438	7536	3777880	90508	3868388	-1924728	220600	6013716	-48157	7	1A-4B	T-3000 @ GJT	4.13	0.20	10.37					
4	4C	438	7533	3768712	91854	3860566	-1922769	201011	5984346	-18787	10	1A-4C	T-3000 @ BIL	4.21	0.20	10.48					
5	5A	438	7543	3783164	85780	3868944	-1925015	171600	5965559	0	0	1A-5A	SAME AS 01A	4.23	0.20	10.58					
6	6A	438	7528	3733014	161515	3894529	-1902245	330782	6127556	-161997	15	1A-6A	ADD R-2200 @ RAP	4.14	0.21	39.59					
6	6B	438	7458	3654504	214263	3868767	-1871173	359536	6099476	-133917	85	1A-6B	ADD T-3000 @ RAP	4.04	0.21	42.20					
7	7A	438	7555	3795635	83950	3879585	-1926611	193349	5999545	-33986	-12	1A-7A	T1500 @ BJC	4.26	0.20	13.10					
7	7B	438	7542	3783423	84132	3867555	-1925095	210000	6002650	-37091	1	1A-7B	T1500 @ GJT	4.23	0.20	9.81					
7	7C	438	7539	3742446	154860	3897306	-1908652	354422	6160380	-32824	-11	6A-7C	T1500 @ RAP	4.19	0.21	44.10					
7	7A	438	7555	3795635	83950	3879585	-1926611	193349	5999545	-11691	-49	4A-7A	T1500 @ BJC	4.26	0.20	13.10					
7	7B	438	7542	3783423	84132	3867555	-1925095	210000	6002650	11066	-6	4B-7B	T1500 @ GJT	4.23	0.20	9.81					
7	7C	438	7539	3742446	154860	3897306	-1908652	354422	6160380	-176034	-6	4C-7C	T1500 @ RAP	4.19	0.21	44.10					

Rocky Mountain Geographic Area - Appendix I

**ALTERNATIVES**

Alt No.	Alternative	BJC	GJT	RAP	GRY	WYS	BIL
01A	1995 CONTRACT	R-2200	R-2200	RELOAD	RELOAD	RELOAD	R-2200
01B	NO BILLINGS	R-2200	R-2200	RELOAD	RELOAD	RELOAD	RELOAD
02A	NO AIRTANKERS						
04A	T-3000 @ BJC	T-3000	R-2200	RELOAD	RELOAD	RELOAD	R-2200
04B	T-3000 @ GJT	R-2200	T-3000	RELOAD	RELOAD	RELOAD	R-2200
04C	T-3000 @ BIL	R-2200	R-2200	RELOAD	RELOAD	RELOAD	T-3000
05A	SAME AS 01A	R-2200	R-2200	RELOAD	RELOAD	RELOAD	R-2200
06A	ADD R22 @ RAP	R-2200	R-2200	R-2200	RELOAD	RELOAD	R-2200
06B	ADD T30 @ RAP	R-2200	R-2200	T-3000	RELOAD	RELOAD	R-2200
07A	T1500 @ BJC	T-1500	R-2200	RELOAD	RELOAD	RELOAD	R-2200
07B	T1500 @ GJT	R-2200	T-1500	RELOAD	RELOAD	RELOAD	R-2200
07C	T1500 @ RAP	R-2200	R-2200	T-1500	RELOAD	RELOAD	R-2200

BJC - JEFFCO  
 GJT - GRAND JUNCTION  
 RAP - RAPID CITY  
 GRY - GREYBULL  
 WYS - WEST YELLOWSTONE  
 BIL - BILLINGS

**AIRTANKER PROGRAM COSTS**

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In Airtanker	Airtanker	ATB	Use		
		Costs	Costs	Season Category	Availability	Total	Factor		
							ATB		
							Total		
01A	Jeffco	\$80,940	\$22,256	92	R2200	\$182,804	\$286,000	0.60	\$171,600
	Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Rapid City	\$0	\$0	0		\$0	\$0	1.00	\$0
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0

Forest Service Total = \$171,600

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In Airtanker	Airtanker	ATB	Use		
		Costs	Costs	Season Category	Availability	Total	Factor		
							ATB		
							Total		
01B	Jeffco	\$80,940	\$22,256	92	R2200	\$182,804	\$286,000	0.60	\$171,600
	Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Rapid City	\$0	\$0	0		\$0	\$0	1.00	\$0
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0		\$0	\$0	1.00	\$0

Forest Service Total = \$171,600

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In Airtanker	Airtanker	ATB	Use		
		Costs	Costs	Season Category	Availability	Total	Factor		
							ATB		
							Total		
02A	Jeffco	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Rapid City	\$0	\$0	0		\$0	\$0	1.00	\$0
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0

Forest Service Total = \$0

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In Airtanker	Airtanker	ATB	Use		
		Costs	Costs	Season Category	Availability	Total	Factor		
							ATB		
							Total		
04A	Jeffco	\$80,940	\$22,256	92	T3000	\$228,712	\$331,908	0.60	\$199,145
	Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Rapid City	\$0	\$0	0		\$0	\$0	1.00	\$0
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0

Forest Service Total = \$199,145

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In Airtanker	Airtanker	ATB	Use		
		Costs	Costs	Season Category	Availability	Total	Factor		
							ATB		
							Total		
04B	Jeffco	\$80,940	\$22,256	92	R2200	\$182,804	\$286,000	0.60	\$171,600
	Grand Junction	\$0	\$0	0	T3000	\$49,000	\$49,000	1.00	\$49,000
	Rapid City	\$0	\$0	0		\$0	\$0	1.00	\$0
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0

Forest Service Total = \$220,600

**AIRTANKER PROGRAM COSTS**

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In	Airtanker	Airtanker	ATB		
		Costs	Costs	Season	Category	Availability	Total		
							Use		
							Factor		
							Total		
							ATB		
							Total		
04C	Jeffco	\$80,940	\$22,256	92	R2200	\$182,804	\$286,000	0.60	\$171,600
	Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Rapid City	\$0	\$0	0		\$0	\$0	1.00	\$0
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0	T3000	\$29,411	\$29,411	1.00	\$29,411
Forest Service Total =								\$201,011	

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In	Airtanker	Airtanker	ATB		
		Costs	Costs	Season	Category	Availability	Total		
							Use		
							Factor		
							Total		
							ATB		
							Total		
05A	Jeffco	\$80,940	\$22,256	92	R2200	\$182,804	\$286,000	0.60	\$171,600
	Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Rapid City	\$0	\$0	0		\$0	\$0	1.00	\$0
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Forest Service Total =								\$171,600	

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In	Airtanker	Airtanker	ATB		
		Costs	Costs	Season	Category	Availability	Total		
							Use		
							Factor		
							Total		
							ATB		
							Total		
06A	Jeffco	\$80,940	\$22,256	92	R2200	\$182,804	\$286,000	0.60	\$171,600
	Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Rapid City	\$25,754	\$14,208	60	R2200	\$119,220	\$159,182	1.00	\$159,182
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Forest Service Total =								\$330,782	

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In	Airtanker	Airtanker	ATB		
		Costs	Costs	Season	Category	Availability	Total		
							Use		
							Factor		
							Total		
							ATB		
							Total		
06B	Jeffco	\$80,940	\$20,280	92	R2200	\$182,804	\$284,024	0.60	\$170,414
	Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Rapid City	\$25,754	\$14,208	60	T3000	\$149,160	\$189,122	1.00	\$189,122
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Forest Service Total =								\$359,536	

Forest Service		Annualized	Annual	Days	Annual		Economic		
Alt. Airtanker Base		One-Time	O & M	In	Airtanker	Airtanker	ATB		
		Costs	Costs	Season	Category	Availability	Total		
							Use		
							Factor		
							Total		
							ATB		
							Total		
07A	Jeffco	\$80,940	\$22,256	92	T1500	\$219,052	\$322,248	0.60	\$193,349
	Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
	Rapid City	\$0	\$0	0		\$0	\$0	1.00	\$0
	Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
	West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
	Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Forest Service Total =								\$193,349	

**AIRTANKER PROGRAM COSTS**

Forest Service		Annualized	Annual	Days		Annual		Economic
Alt. Airtanker Base	One-Time	O & M	In	Airtanker	Airtanker	ATB	Use	ATB
	Costs	Costs	Season	Category	Availability	Total	Factor	Total
07B Jeffco	\$80,940	\$22,256	92	R2200	\$182,804	\$286,000	0.60	\$171,600
Grand Junction	\$0	\$0	0	T1500	\$39,400	\$39,400	1.00	\$39,400
Rapid City	\$0	\$0	0		\$0	\$0	1.00	\$0
Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0

Forest Service Total = \$211,000

Forest Service		Annualized	Annual	Days		Annual		Economic
Alt. Airtanker Base	One-Time	O & M	In	Airtanker	Airtanker	ATB	Use	ATB
	Costs	Costs	Season	Category	Availability	Total	Factor	Total
07C Jeffco	\$80,940	\$22,256	92	R2200	\$182,804	\$286,000	0.60	\$171,600
Grand Junction	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0
Rapid City	\$25,754	\$14,208	60	T1500	\$142,860	\$182,822	1.00	\$182,822
Greybell	\$0	\$0	0		\$0	\$0	1.00	\$0
West Yellowstone	\$0	\$0	0		\$0	\$0	1.00	\$0
Billings	\$0	\$0	0	R2200	\$0	\$0	1.00	\$0

Forest Service Total = \$354,422



National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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 Annual Expected Values  
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ALT	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL1A	438		7543	3783164	85780	3868944	-1925015	171600	5965559
AL1B	438		7547	3787926	83090	3871016	-1925592	171600	5968208
AL2A	438		7791	3915382	25042	3940424	-2010792	0	5951216
AL4A	438		7506	3758931	108016	3866947	-1921762	199145	5987854
AL4B	438		7536	3777880	90508	3868388	-1924728	220600	6013716
AL4C	438		7533	3768712	91854	3860566	-1922769	201011	5984346
AL5A	438		7543	3783164	85780	3868944	-1925015	171600	5965559
AL6A	438		7528	3733014	161515	3894529	-1902245	330782	6127556
AL6B	438		7458	3654504	214263	3868767	-1871173	359536	6099476
AL7A	438		7555	3795635	83950	3879585	-1926611	193349	5999545
AL7B	438		7542	3783423	84132	3867555	-1925095	210000	6002650
AL7C	438		7539	3742446	154860	3897306	-1908652	354422	6160380

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL1A		283.67	137.46	11.83	1.60	1.04	1.59	0.20	437.39
AL1B		283.67	137.46	11.79	1.63	1.04	1.59	0.20	437.38
AL2A		283.43	136.55	12.86	1.53	1.11	1.72	0.21	437.41
AL4A		283.67	137.64	11.89	1.39	1.01	1.59	0.20	437.39
AL4B		283.67	137.52	11.87	1.50	1.04	1.59	0.20	437.39
AL4C		283.67	137.56	11.75	1.58	1.04	1.59	0.20	437.39
AL5A		283.67	137.46	11.83	1.60	1.04	1.59	0.20	437.39
AL6A		285.70	135.86	11.49	1.54	1.04	1.56	0.21	437.40
AL6B		287.28	134.17	11.70	1.45	1.04	1.55	0.21	437.40
AL7A		283.65	137.03	12.24	1.61	1.06	1.59	0.20	437.38
AL7B		283.67	137.38	11.91	1.60	1.04	1.59	0.20	437.39
AL7C		287.28	134.00	11.71	1.59	1.04	1.56	0.21	437.39

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

Airtanker Codes A1-A7 Only

ALT NO	UN ID	TY ID	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL1A			0.20	7.87	1.22	0.60	0.24	0.40	0.05	10.58
AL1B			0.20	8.33	2.17	0.72	0.27	0.63	0.10	12.42
AL2A			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL4A			0.26	9.73	1.64	0.56	0.21	0.60	0.08	13.08
AL4B			0.20	7.74	1.24	0.50	0.24	0.40	0.05	10.37
AL4C			0.20	7.87	1.15	0.58	0.24	0.39	0.05	10.48
AL5A			0.20	7.87	1.22	0.60	0.24	0.40	0.05	10.58
AL6A			9.20	24.47	3.95	0.68	0.42	0.76	0.11	39.59
AL6B			11.49	23.80	4.68	0.71	0.42	0.98	0.12	42.20
AL7A			0.23	9.11	2.04	0.78	0.26	0.60	0.08	13.10
AL7B			0.20	7.35	1.08	0.57	0.19	0.37	0.05	9.81
AL7C			11.49	25.51	4.62	0.95	0.42	0.99	0.12	44.10

Key To National Forest Identification Numbers  
Used in the Initial Attack Analysis

02-Big Horn NF  
 03-Black Hills NF

06-Medicine Bow NF  
 10-Arapaho-Roosevelt NF

12-Pike-San Isabel NF  
 15-White River NF

## Rocky Mountain Geographic Area - Appendix I

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

		Annual Expected Values						AT	UNIT'S
ALT	UN	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	PROG COST	ALT COSTS
AL1A									
	02	20	1222	1139370	19285	1158655	-520611	-	1679266
	03	139	1492	551481	1243	552724	-1021800	-	1574524
	06	41	1942	574917	6813	581730	-119157	-	700887
	10	55	1112	431769	15607	447376	-94373	-	541749
	12	137	382	330881	27559	358440	-65208	-	423648
	15	46	1393	754746	15273	770019	-103866	-	873885
	Total:	438	7543	3783164	85780	3868944	-1925015	171600	5965559
AL1B									
	02	20	1226	1144123	16576	1160699	-521188	-	1681887
	03	139	1492	551490	1262	552752	-1021800	-	1574552
	06	41	1942	574917	6813	581730	-119157	-	700887
	10	55	1112	431769	15607	447376	-94373	-	541749
	12	137	382	330881	27559	358440	-65208	-	423648
	15	46	1393	754746	15273	770019	-103866	-	873885
	Total:	438	7547	3787926	83090	3871016	-1925592	171600	5968208
AL2A									
	02	20	1271	1201584	3069	1204653	-527080	-	1731733
	03	139	1572	568918	0	568918	-1090334	-	1659252
	06	41	1950	577353	0	577353	-119227	-	696580
	10	55	1208	466502	1849	468351	-103336	-	571687
	12	137	396	344275	8366	352641	-66948	-	419589
	15	46	1394	756750	11758	768508	-103867	-	872375
	Total:	438	7791	3915382	25042	3940424	-2010792	0	5951216
AL4A									
	02	20	1222	1139370	19285	1158655	-520611	-	1679266
	03	139	1491	551617	2448	554065	-1020533	-	1574598
	06	41	1938	572795	6433	579228	-119145	-	698373
	10	55	1085	415376	20930	436306	-93000	-	529306
	12	137	378	326808	42184	368992	-64611	-	433603
	15	46	1392	752965	16736	769701	-103862	-	873563
	Total:	438	7506	3758931	108016	3866947	-1921762	199145	5987854
AL4B									
	02	20	1222	1139370	19285	1158655	-520611	-	1679266
	03	139	1492	551481	1243	552724	-1021800	-	1574524
	06	41	1939	573804	8502	582306	-119146	-	701452
	10	55	1109	429654	16696	446350	-94151	-	540501
	12	137	382	330695	28003	358698	-65158	-	423856
	15	46	1392	752876	16779	769655	-103862	-	873517
	Total:	438	7536	3777880	90508	3868388	-1924728	220600	6013716

National Airtanker Study  
Summary By Alternative and Forest  
(Without Breakdown Of NVC)  
(Per Acre And Unit Mission Separate)

Annual Expected Values										
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S		
NO	NO	FREQ	ACRES	MISSION	SUPP COST	CHANGE	PROG	ALT		
				COST	COST		COST	COSTS		
AL4C										
	02	20	1212	1125453	25220	1150673	-519022	-	1669695	
	03	139	1492	550946	1382	552328	-1021143	-	1573471	
	06	41	1942	574917	6813	581730	-119157	-	700887	
	10	55	1112	431769	15607	447376	-94373	-	541749	
	12	137	382	330881	27559	358440	-65208	-	423648	
	15	46	1393	754746	15273	770019	-103866	-	873885	
	Total:		438	7533	3768712	91854	3860566	-1922769	201011	5984346
AL5A										
	02	20	1222	1139370	19285	1158655	-520611	-	1679266	
	03	139	1492	551481	1243	552724	-1021800	-	1574524	
	06	41	1942	574917	6813	581730	-119157	-	700887	
	10	55	1112	431769	15607	447376	-94373	-	541749	
	12	137	382	330881	27559	358440	-65208	-	423648	
	15	46	1393	754746	15273	770019	-103866	-	873885	
	Total:		438	7543	3783164	85780	3868944	-1925015	171600	5965559
AL6A										
	02	20	1222	1144844	21454	1166298	-520796	-	1687094	
	03	139	1480	497453	74993	572446	-998884	-	1571330	
	06	41	1939	573497	6374	579871	-119154	-	699025	
	10	55	1112	431593	15862	447455	-94337	-	541792	
	12	137	382	330881	27559	358440	-65208	-	423648	
	15	46	1393	754746	15273	770019	-103866	-	873885	
	Total:		438	7528	3733014	161515	3894529	-1902245	330782	6127556
AL6B										
	02	20	1169	1089022	32571	1121593	-499906	-	1621499	
	03	139	1468	478399	115400	593799	-988908	-	1582707	
	06	41	1937	572071	6276	578347	-119142	-	697489	
	10	55	1109	429385	17184	446569	-94143	-	540712	
	12	137	382	330881	27559	358440	-65208	-	423648	
	15	46	1393	754746	15273	770019	-103866	-	873885	
	Total:		438	7458	3654504	214263	3868767	-1871173	359536	6099476
AL7A										
	02	20	1222	1139370	19285	1158655	-520611	-	1679266	
	03	139	1492	552451	1487	553938	-1022541	-	1576479	
	06	41	1942	575251	6276	581527	-119172	-	700699	
	10	55	1122	438827	14943	453770	-94752	-	548522	
	12	137	384	334629	27041	361670	-65668	-	427338	
	15	46	1393	755107	14918	770025	-103867	-	873892	
	Total:		438	7555	3795635	83950	3879585	-1926611	193349	5999545

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S	
NO	NO	FREQ	SUPP	MISSION	SUPP	CHANGE	PROG	ALT	
			COST	COST	COST		COST	COSTS	
ACRES									
AL7B									
	02	20	1222	1139370	19285	1158655	-520611	-	1679266
	03	139	1492	551481	1243	552724	-1021800	-	1574524
	06	41	1941	574410	6243	580653	-119165	-	699818
	10	55	1112	431340	15649	446989	-94355	-	541344
	12	137	382	331611	27159	358770	-65297	-	424067
	15	46	1393	755211	14553	769764	-103867	-	873631
Total:	438		7542	3783423	84132	3867555	-1925095	210000	6002650
AL7C									
	02	20	1227	1145502	21342	1166844	-521423	-	1688267
	03	139	1487	507426	64391	571817	-1004710	-	1576527
	06	41	1941	573749	6028	579777	-119164	-	698941
	10	55	1109	430530	16374	446904	-94343	-	541247
	12	137	382	330493	31452	361945	-65146	-	427091
	15	46	1393	754746	15273	770019	-103866	-	873885
Total:	438		7539	3742446	154860	3897306	-1908652	354422	6160380

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL1A									
	02	11.47	6.61	1.24	0.07	0.03	0.23	0.05	19.70
	03	101.77	33.76	2.43	0.22	0.15	0.25	0.08	138.66
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.18	2.22	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	283.67	137.46	11.83	1.60	1.04	1.59	0.20	437.39
AL1B									
	02	11.47	6.61	1.20	0.10	0.03	0.23	0.05	19.69
	03	101.77	33.76	2.43	0.22	0.15	0.25	0.08	138.66
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.18	2.22	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	283.67	137.46	11.79	1.63	1.04	1.59	0.20	437.38
AL2A									
	02	11.47	6.55	1.26	0.06	0.06	0.25	0.05	19.70
	03	101.77	33.76	2.43	0.20	0.15	0.27	0.09	138.67
	06	23.23	13.90	3.10	0.41	0.14	0.47	0.00	41.25
	10	39.52	11.89	2.17	0.47	0.30	0.41	0.02	54.78
	12	70.53	63.76	2.64	0.14	0.17	0.06	0.00	137.30
	15	36.91	6.69	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	283.43	136.55	12.86	1.53	1.11	1.72	0.21	437.41
AL4A									
	02	11.47	6.61	1.24	0.07	0.03	0.23	0.05	19.70
	03	101.77	33.76	2.50	0.15	0.15	0.25	0.08	138.66
	06	23.23	14.29	2.81	0.31	0.14	0.47	0.00	41.25
	10	39.70	12.05	1.95	0.51	0.23	0.32	0.02	54.78
	12	70.53	64.24	2.19	0.10	0.17	0.06	0.00	137.29
	15	36.97	6.69	1.20	0.25	0.29	0.26	0.05	45.71
	Total:	283.67	137.64	11.89	1.39	1.01	1.59	0.20	437.39
AL4B									
	02	11.47	6.61	1.24	0.07	0.03	0.23	0.05	19.70
	03	101.77	33.76	2.43	0.22	0.15	0.25	0.08	138.66
	06	23.23	14.29	2.81	0.31	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.18	2.22	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.69	1.20	0.25	0.29	0.26	0.05	45.71
	Total:	283.67	137.52	11.87	1.50	1.04	1.59	0.20	437.39

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL4C									
	02	11.47	6.71	1.16	0.05	0.03	0.23	0.05	19.70
	03	101.77	33.76	2.43	0.22	0.15	0.25	0.08	138.66
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.18	2.22	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	283.67	137.56	11.75	1.58	1.04	1.59	0.20	437.39
AL5A									
	02	11.47	6.61	1.24	0.07	0.03	0.23	0.05	19.70
	03	101.77	33.76	2.43	0.22	0.15	0.25	0.08	138.66
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.18	2.22	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	283.67	137.46	11.83	1.60	1.04	1.59	0.20	437.39
AL6A									
	02	11.47	6.81	1.06	0.05	0.03	0.23	0.05	19.70
	03	103.80	31.96	2.27	0.18	0.15	0.22	0.09	138.67
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.18	2.22	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	285.70	135.86	11.49	1.54	1.04	1.56	0.21	437.40
AL6B									
	02	11.47	6.64	1.23	0.06	0.03	0.22	0.05	19.70
	03	105.38	30.44	2.21	0.18	0.15	0.22	0.09	138.67
	06	23.23	14.29	2.81	0.31	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.18	2.22	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	287.28	134.17	11.70	1.45	1.04	1.55	0.21	437.40
AL7A									
	02	11.47	6.61	1.24	0.07	0.03	0.23	0.05	19.70
	03	101.77	33.76	2.43	0.22	0.15	0.25	0.08	138.66
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.68	11.97	1.97	0.52	0.28	0.32	0.02	54.76
	12	70.53	63.77	2.63	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	283.65	137.03	12.24	1.61	1.06	1.59	0.20	437.38

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL7B									
	02	11.47	6.61	1.24	0.07	0.03	0.23	0.05	19.70
	03	101.77	33.76	2.43	0.22	0.15	0.25	0.08	138.66
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.10	2.30	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	283.67	137.38	11.91	1.60	1.04	1.59	0.20	437.39
AL7C									
	02	11.47	6.61	1.20	0.10	0.03	0.23	0.05	19.69
	03	105.38	30.30	2.35	0.18	0.15	0.22	0.09	138.67
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.18	2.22	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	287.28	134.00	11.71	1.59	1.04	1.56	0.21	437.39

Rocky Mountain Geographic Area - Appendix I

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL1A										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.20	7.87	1.22	0.60	0.24	0.40	0.05	10.58
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.20	7.87	1.22	0.60	0.24	0.40	0.05	10.58
	A9		0.06	1.75	1.73	0.45	0.12	0.67	0.08	4.86
Total:			0.26	9.62	2.95	1.05	0.36	1.07	0.13	15.44
-----Summary-----										
AL1B										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.20	8.33	2.17	0.72	0.27	0.63	0.10	12.42
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.20	8.33	2.17	0.72	0.27	0.63	0.10	12.42
	A9		0.06	0.65	0.71	0.36	0.09	0.44	0.03	2.34
Total:			0.26	8.98	2.88	1.08	0.36	1.07	0.13	14.76
-----Summary-----										
AL2A										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----Summary-----										
AL4A										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.26	9.73	1.64	0.56	0.21	0.60	0.08	13.08
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.26	9.73	1.64	0.56	0.21	0.60	0.08	13.08
	A9		0.00	1.16	1.42	0.21	0.12	0.47	0.05	3.43
Total:			0.26	10.89	3.06	0.77	0.33	1.07	0.13	16.51



National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL7B									
	02	11.47	6.61	1.24	0.07	0.03	0.23	0.05	19.70
	03	101.77	33.76	2.43	0.22	0.15	0.25	0.08	138.66
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.10	2.30	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	283.67	137.38	11.91	1.60	1.04	1.59	0.20	437.39
AL7C									
	02	11.47	6.61	1.20	0.10	0.03	0.23	0.05	19.69
	03	105.38	30.30	2.35	0.18	0.15	0.22	0.09	138.67
	06	23.23	14.29	2.71	0.41	0.14	0.47	0.00	41.25
	10	39.70	11.99	1.97	0.51	0.26	0.32	0.02	54.77
	12	70.53	64.18	2.22	0.14	0.17	0.06	0.00	137.30
	15	36.97	6.63	1.26	0.25	0.29	0.26	0.05	45.71
	Total:	287.28	134.00	11.71	1.59	1.04	1.56	0.21	437.39

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL1A -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.20	7.87	1.22	0.60	0.24	0.40	0.05	10.58
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.20	7.87	1.22	0.60	0.24	0.40	0.05	10.58
	A9		0.06	1.75	1.73	0.45	0.12	0.67	0.08	4.86
Total:			0.26	9.62	2.95	1.05	0.36	1.07	0.13	15.44
AL1B -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.20	8.33	2.17	0.72	0.27	0.63	0.10	12.42
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.20	8.33	2.17	0.72	0.27	0.63	0.10	12.42
	A9		0.06	0.65	0.71	0.36	0.09	0.44	0.03	2.34
Total:			0.26	8.98	2.88	1.08	0.36	1.07	0.13	14.76
AL2A -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL4A -----Summary-----										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.26	9.73	1.64	0.56	0.21	0.60	0.08	13.08
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.26	9.73	1.64	0.56	0.21	0.60	0.08	13.08
	A9		0.00	1.16	1.42	0.21	0.12	0.47	0.05	3.43
Total:			0.26	10.89	3.06	0.77	0.33	1.07	0.13	16.51

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL4B										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.20	7.74	1.24	0.50	0.24	0.40	0.05	10.37
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.20	7.74	1.24	0.50	0.24	0.40	0.05	10.37
	A9		0.06	1.94	1.87	0.35	0.12	0.67	0.08	5.09
Total:			0.26	9.68	3.11	0.85	0.36	1.07	0.13	15.46
-----Summary-----										
AL4C										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.20	7.87	1.15	0.58	0.24	0.39	0.05	10.48
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.20	7.87	1.15	0.58	0.24	0.39	0.05	10.48
	A9		0.06	1.84	1.72	0.45	0.12	0.68	0.08	4.95
Total:			0.26	9.71	2.87	1.03	0.36	1.07	0.13	15.43
-----Summary-----										
AL5A										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.20	7.87	1.22	0.60	0.24	0.40	0.05	10.58
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.20	7.87	1.22	0.60	0.24	0.40	0.05	10.58
	A9		0.06	1.75	1.73	0.45	0.12	0.67	0.08	4.86
Total:			0.26	9.62	2.95	1.05	0.36	1.07	0.13	15.44
-----Summary-----										
AL6A										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		9.20	24.47	3.95	0.68	0.42	0.76	0.11	39.59
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			9.20	24.47	3.95	0.68	0.42	0.76	0.11	39.59
	A9		0.06	0.34	0.70	0.15	0.09	0.27	0.04	1.65
Total:			9.26	24.81	4.65	0.83	0.51	1.03	0.15	41.24

Rocky Mountain Geographic Area - Appendix I

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL6B										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		11.29	16.43	3.44	0.33	0.18	0.64	0.10	32.41
	A5		0.20	7.37	1.24	0.38	0.24	0.34	0.02	9.79
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		11.49	23.80	4.68	0.71	0.42	0.98	0.12	42.20
	A9		0.06	0.26	0.39	0.14	0.09	0.24	0.03	1.21
	Total:		11.55	24.06	5.07	0.85	0.51	1.22	0.15	43.41
-----Summary-----										
AL7A										
	A1		0.23	9.11	2.04	0.78	0.26	0.60	0.08	13.10
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		0.23	9.11	2.04	0.78	0.26	0.60	0.08	13.10
	A9		0.00	1.55	1.32	0.31	0.12	0.47	0.05	3.82
	Total:		0.23	10.66	3.36	1.09	0.38	1.07	0.13	16.92
-----Summary-----										
AL7B										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.20	7.35	1.08	0.57	0.19	0.37	0.05	9.81
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		0.20	7.35	1.08	0.57	0.19	0.37	0.05	9.81
	A9		0.06	2.18	1.98	0.48	0.17	0.70	0.08	5.65
	Total:		0.26	9.53	3.06	1.05	0.36	1.07	0.13	15.46
-----Summary-----										
AL7C										
	A1		11.29	16.28	3.48	0.47	0.18	0.65	0.10	32.45
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.20	9.23	1.14	0.48	0.24	0.34	0.02	11.65
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		11.49	25.51	4.62	0.95	0.42	0.99	0.12	44.10
	A9		0.06	0.26	0.39	0.14	0.09	0.24	0.03	1.21
	Total:		11.55	25.77	5.01	1.09	0.51	1.23	0.15	45.31

Geographic Area Airtanker Program Cost Data and Detailed Reports for  
Initial Attack Analysis

APPENDIX J.  
Southwest Geographic Area



United States  
Department of  
Agriculture

Forest  
Service

Southwestern  
Region

517 Gold Avenue SW.  
Albuquerque, NM 87102-0084  
FAX: (505) 842-3800  
V/TTY: (505) 842-3292

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File Code: 5170  
Route To: 5100

Date: January 31, 1995

Subject: National Airtanker Study

To: Chief

Region 3 has accomplished the airtanker analysis requested in the Washington Office letter of November 22, 1994. Based on the results of the analysis, the Region is recommending no change in the number of aircraft in the national contract. We do recommend that the airtanker that is currently assigned to the Grand Canyon Base be assigned to the Prescott Airtanker Base. The Region would propose to deactivate the airtanker base at the Grand Canyon airport.

The Region analyzed various alternatives that added one airtanker, dropped 2 airtankers, and dropped 1 airtanker. None of those alternatives were as cost effective as closing one airtanker base and moving the airtanker to Prescott.

The detailed analysis data and information has been provided to the National Airtanker Study Team leader and will be reflected in the study team report.

The existing contract dates should be used in developing the new national contract. Our analysis does indicate that an additional turbine airtanker located at the Winslow Airtanker Base would contribute significantly to reduced acreage burned and subsequent suppression cost savings. The bases where a turbine aircraft would be desirable are in order of priority:

1. Phoenix
2. Prescott
3. Winslow
4. Silver City

The Regions Aviation Staff will be available to respond to any questions and assist in working out contract details.

/s/ Marlin Johnson

JOHN R. KIRKPATRICK  
Deputy Regional Forester

Southwest Geographic Area - Appendix J

SW Forest Service	SC	ALT	FREQ	ACRES	ESC	FFF	UMC	TOT	FFF	NVC	AT	PG	CT	TOTAL	\$\$	DIFF	AC	DIFF	ALT-Y	DESCRIPTION	TOTAL	D-F	FIRES	TOTAL	G	FIRES	TOTAL	AT	DISP
1	01	2051	46000	17540558	3133344	20673902	-4095120	1929000	25698022	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	02	2051	72052	27658778	736544	28395320	-5516536	0	33911856	-26052	01-02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	03	2051	45125	17416107	2817817	20233924	-4656418	1679000	26559342	875	01-03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	04	2051	55037	20271324	3098729	23370053	-4233452	1679000	29252505	-9037	01-04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	05	2051	44859	18022671	2509743	20532414	-4183829	1679000	26395243	1141	01-05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	06	2051	47132	19051164	2583062	21634226	-4460790	1729000	27824016	-1132	01-06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	07	2051	40522	16103928	2820885	18924813	-3803752	1729000	24457565	5478	01-07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	08	2051	54922	20296278	2898843	23195121	-4872106	1729000	29796227	-8922	01-08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	09	2051	47407	18043363	3022384	21065747	-4150102	1729000	26944849	-246827	01-09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	10	2051	46757	17495563	2950698	20446261	-4419275	1779000	26644536	53486	01-10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	11	2051	49276	18022569	3153612	21176181	-4042191	1779000	26997372	-299350	01-11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	12	2051	42455	16465874	3008162	19474036	-4402731	1779000	25655767	1042255	01-12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	13	2051	46364	18008599	2993657	21002256	-4107029	1779000	26888285	-364	01-13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	14	2051	40085	15600818	2870356	18571174	-4125010	1879000	246575184	2122838	01-14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	15	2051	39328	15436770	2871355	18308125	-4010909	1879000	24198034	6672	01-15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	16	2051	40986	16114592	2705412	18820004	-4342557	1879000	25041561	5014	01-16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	17	2051	43670	16944282	2979164	19923446	-4546604	1879000	26349050	348972	01-17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	18	2051	44184	17116147	2932124	20048271	-4341455	1879000	26266726	429296	01-18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	19	2051	42373	16357029	2942541	19299570	-4526855	1879000	23705425	992597	01-19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	20	2051	43409	16371565	3043193	19414758	-4263356	1879000	25557114	1140908	01-20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	21	2051	50767	19450074	2786992	22237086	-4888537	1599000	28724603	-169439	01-21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	22	2051	52575	19682405	2720037	22382442	-4612916	1549000	26544358	10806	01-21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	23	2051	54456	20775504	2466702	23242206	-5066857	1599000	29908063	-1352899	01-21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	24	2051	54567	20416491	2607616	23024107	-5048275	1599000	28671382	-1116218	01-21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	25	2051	56365	21092102	2635510	23727612	-5031296	1699000	30457906	-1902744	01-21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	26	2051	56699	21311415	2649894	23961309	-5029581	1649000	30639890	-2084726	01-21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	27	2051	54290	20367995	2835479	23193474	-4970771	1819000	29983245	-1428081	01-21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	28	2051	55580	20658811	2775519	23434330	-4985257	1919000	30238587	-1683423	01-21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	29	2051	47468	18234152	2902702	21136854	-4475566	1719000	27331420	1223744	01-21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	30	2051	46951	17945741	2996895	20942636	-4321850	2089000	27353486	1201678	01-30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	31	2051	49378	19037092	2822553	21919645	-4706819	1929000	28555164	-1857142	01-30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	32	2051	46356	17540152	2798204	20336336	-4304854	1929000	26570310	1984854	01-32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	33	2051	48652	18617640	2949493	21567135	-4723424	1929000	28219557	335607	01-33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	34	2051	49222	18694015	2989337	21683352	-4736720	1929000	28349072	206092	01-34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	35	2051	49072	18965730	2898093	21863813	-4459548	1929000	28252361	302803	01-35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	36	2051	49297	19026196	2896448	21922644	-4683028	1929000	28534672	20492	01-36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	37	2051	49042	18839198	2878101	21717298	-4711874	1929000	28357973	197191	01-37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	38	2051	49021	18855125	2986968	21842093	-4695792	1929000	28366885	188279	01-38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	39	2051	49295	18993453	2889741	21863184	-4705750	1929000	28517944	37220	01-39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....



Southwest Geographic Area - Appendix J

No	Alternative	ALM	ABQ	FHU	GCN	PHX	PRC	ROW	SVC	E24	INW
1	CURRENT	R-2200	R-2200 R-2200	R-2200	R-2200	T-3000	T-3000	Reload	R-2200 T-3000	R-2200	R-2200 R-2200
2	NO AIRTANKERS										
3	3 BASE, 11AT		T-3000 R-2200 R-2200				T-3000 R-2200 R-2200 R-2200		T-3000 R-2200 R-2200		
4	3 BASE, 11AT					T-3000 R-2200 R-2200 R-2200		T-3000 R-2200 R-2200 R-2200			T-3000 R-2200 R-2200
5	3 BASE, 11AT		R-2200 R-2200 T-3000						T-3000 R-2200 R-2200 R-2200		T-3000 R-2200 R-2200 R-2200
6	4 BASE, 11AT	R-2200 R-2200 T-3000	R-2200 R-2200	R-2200 R-2200 T-3000							T-3000 R-2200 R-2200
7	4 BASE, 11AT		T-3000 R-2200 R-2200			R-2200 R-2200			T-3000 R-2200 R-2200		T-3000 R-2200 R-2200
8	4 BASE, 11AT		T-3000 R-2200 R-2200	T-3000 R-2200 R-2200			T-3000 R-2200 R-2200	R-2200 R-2200			
9	4 BASE, 11AT		R-2200 R-2200			T-3000 R-2200 R-2200	T-3000 R-2200 R-2200		T-3000 R-2200 R-2200		
10	5 BASE, 11AT	R-2200 R-2200	T-3000 R-2200	R-2200 R-2200			T-3000 R-2200 R-2200				T-3000 R-2200
11	5 BASE, 11AT		T-3000 R-2200			T-3000 R-2200 R-2200		R-2200 R-2200	T-3000 R-2200		R-2200 R-2200
12	5 BASE, 11AT		T-3000 R-2200	R-2200 R-2200		R-2200 R-2200	T-3000 R-2200		T-3000 R-2200 R-2200		
13	5 BASE, 11AT	R-2200 R-2200			R-2200	T-3000 R-2200			T-3000 R-2200 R-2200		T-3000 R-2200 R-2200
14	7 BASE, 11AT	R-2200	T-3000 R-2200	R-2200		R-2200	T-3000 R-2200		T-3000 R-2200		R-2200 R-2200
15	7 BASE, 11AT	R-2200	T-3000 R-2200		R-2200	R-2200 R-2200	R-2200		T-3000 R-2200		T-3000 R-2200
16	7 BASE, 11AT	R-2200	T-3000 R-2200	R-2200	R-2200		T-3000 R-2200		R-2200 R-2200		R-2200 T-3000
17	7 BASE, 11AT	R-2200	T-3000 R-2200	R-2200	R-2200	T-3000 R-2200	R-2200 R-2200		T-3000 R-2200		
18	7 BASE, 11AT	R-2200	T-3000 R-2200	R-2200	R-2200	T-3000 R-2200			T-3000 R-2200		R-2200 R-2200
19	7 BASE, 11AT		T-3000 R-2200	R-2200	R-2200	R-2200	T-3000		T-3000 R-2200 R-2200		R-2200 R-2200
20	7 BASE, 11AT	R-2200	T-3000 R-2200	R-2200		T-3000	T-3000 R-2200		R-2200 R-2200		R-2200 R-2200

Southwest Geographic Area - Appendix J

No	Alternative	ALM	ABQ	FHU	GCN	PHX	PRC	ROW	SVC	E24	INW
21	7 BASE, 9AT	R-2200	R-2200	R-2200		R-2200	R-2200		R-2200 R-2200		R-2200 R-2200
22	6 BASE, 9AT	R-2200	R-2200			R-2200 R-2200	R-2200 R-2200		R-2200 R-2200		R-2200
23	7 BASE, 9AT	R-2200	R-2200	R-2200	R-2200		R-2200 R-2200		R-2200 R-2200		R-2200
24	7 BASE, 9AT	R-2200	R-2200		R-2200	R-2200 R-2200	R-2200		R-2200 R-2200		R-2200
25	9 BASE, 9AT	R-2200	R-2200	R-2200	R-2200	R-2200	R-2200	R-2200	R-2200		R-2200
26	8 BASE, 9AT	R-2200	R-2200 R-2200	R-2200	R-2200	R-2200	R-2200		R-2200		R-2200
27	9 BASE, 10AT	R-2200	R-2200	R-2200	R-2200	R-2200	R-2200	R-2200	R-2200		R-2200 R-2200
28	9 BASE, 10AT	R-2200	R-2200	R-2200	R-2200	R-2000	R-2200 R-2200	R-2200	R-2200		R-2200
29	7 BASE, 10AT	R-2200	R-2200	R-2200		R-2200	R-2200 R-2200		R-2200 R-2200		R-2200 R-2200
30	8 BASE, 12AT	R-2200	R-2200 R-2200	R-2200	R-2200	R-2200	R-2200 R-2200		R-2200 R-2200		R-2200 R-2200
31	ALL RECIP, 11	R-2200	R-2200 R-2200	R-2200	R-2200	R-2200	R-2200		R-2200 R-2200		R-2200 R-2200
32	T-3000 INW	R-2200	R-2200 R-2200	R-2200	R-2200	R-2200	R-2200		R-2200 R-2200		T-3000 R-2200
33	T-3000 PRC	R-2200	R-2200 R-2200	R-2200	R-2200	R-2200	T-3000		R-2200 R-2200		R-2200 R-2200
34	T-3000 PHX	R-2200	R-2200 R-2200	R-2200	R-2200	T-3000	R-2200		R-2200 R-2200		R-2200 R-2200
35	T-3000 FHU	R-2200	R-2200 R-2200	T-3000	R-2200	R-2200	R-2200		R-2200 R-2200		R-2200 R-2200
36	T-3000 ABQ	R-2200	T-3000 R-2200	R-2200	R-2200	R-2200	R-2200		R-2200 R-2200		R-2200 R-2200
37	T-3000 ALM	T-3000	R-2200 R-2200	R-2200	R-2200	R-2200	R-2200		R-2200 R-2200		R-2200 R-2200
38	T-3000 SVC	R-2200	R-2200 R-2200	R-2200	R-2200	R-2200	R-2200		T-3000 R-2200		R-2200 R-2200
39	T-3000 GCN	R-2200	R-2200 R-2200	R-2200	T-3000	R-2200	R-2200		R-2200 R-2200		R-2200 R-2200

ALM - ALAMOGORDO  
 ABQ - ALBUQUERQUE  
 FHU - LIBBY (FORT HUACHUCHA)  
 GCN - GRAND CANYON

PHX - PHOENIX  
 PRC - PRESCOTT  
 ROW - ROSWELL  
 SVC - SILVER CITY

E24 - WHITERIVER  
 INW - WINSLOW

**AIRTANKER PROGRAM COSTS**Alternative 1

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 1.

Alternative 2

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000	\$000,000	
ALBUQUERQUE	0	\$00,000	\$000,000	
LIBBY	0	\$00,000	\$000,000	
GRAND CANYON	0	\$00,000	\$000,000	
PHOENIX	0	\$00,000	\$000,000	
PRESCOTT	0	\$00,000	\$000,000	
SILVER CITY	0	\$00,000	\$000,000	
WINSLOW	0	\$00,000	\$000,000	
Total	\$ 0	\$000,000	\$0,000,000	

Sum of all costs = \$0,000,000 for alternative 2.

Alternative 3

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000		
ALBUQUERQUE	0	\$50,000	SAME FLEET AS NO. 1	
LIBBY	0	\$00,000	SAME DAYS AS NO. 1	
GRAND CANYON	0	\$00,000	JUST MOVED TO	
PHOENIX	0	\$00,000	DIFFERENT BASES	
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$00,000		
Total	\$ 0	\$150,000	\$1,529,000	

Sum of all costs = \$1,679,000 for alternative 3.

Alternative 4

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000		
ALBUQUERQUE	0	\$00,000	SAME FLEET AS NO. 1	
LIBBY	0	\$00,000	SAME DAYS AS NO. 1	
GRAND CANYON	0	\$00,000	JUST MOVED TO	
PHOENIX	0	\$50,000	DIFFERENT BASES	
PRESCOTT	0	\$00,000		
SILVER CITY	0	\$00,000		
WINSLOW	0	\$50,000		
ROSWELL	0	\$50,000		
Total	\$ 0	\$150,000	\$1,529,000	

Sum of all costs = \$1,679,000 for alternative 4.

**AIRTANKER PROGRAM COSTS**Alternative 5

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$00,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$00,000		JUST MOVED TO
PHOENIX	0	\$00,000		DIFFERENT BASES
PRESCOTT	0	\$00,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$150,000	\$1,529,000	

Sum of all costs = \$1,679,000 for alternative 5.

Alternative 6

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$50,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$00,000		JUST MOVED TO
PHOENIX	0	\$00,000		DIFFERENT BASES
PRESCOTT	0	\$00,000		
SILVER CITY	0	\$00,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$200,000	\$1,529,000	

Sum of all costs = \$1,729,000 for alternative 6.

Alternative 7

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$00,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$00,000		JUST MOVED TO
PHOENIX	0	\$50,000		DIFFERENT BASES
PRESCOTT	0	\$00,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$200,000	\$1,529,000	

Sum of all costs = \$1,729,000 for alternative 7.

Alternative 8

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$50,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$00,000		JUST MOVED TO
PHOENIX	0	\$00,000		DIFFERENT BASES
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$00,000		
WINSLOW	0	\$00,000		
ROSWELL	0	\$50,000		
Total	\$ 0	\$200,000	\$1,529,000	

Sum of all costs = \$1,729,000 for alternative 8.

**AIRTANKER PROGRAM COSTS**Alternative 9

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$00,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$00,000		JUST MOVED TO
PHOENIX	0	\$50,000		DIFFERENT BASES
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$00,000		
Total	\$ 0	\$200,000	\$1,529,000	

Sum of all costs = \$1,729,000 for alternative 9.

Alternative 10

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$50,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$00,000		JUST MOVED TO
PHOENIX	0	\$00,000		DIFFERENT BASES
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$00,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$250,000	\$1,529,000	

Sum of all costs = \$1,779,000 for alternative 10.

Alternative 11

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$00,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$00,000		JUST MOVED TO
PHOENIX	0	\$50,000		DIFFERENT BASES
PRESCOTT	0	\$00,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
ROSWELL	0	\$50,000		
Total	\$ 0	\$250,000	\$1,529,000	

Sum of all costs = \$1,779,000 for alternative 11.

Alternative 12

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$50,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$00,000		JUST MOVED TO
PHOENIX	0	\$50,000		DIFFERENT BASES
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$00,000		
Total	\$ 0	\$250,000	\$1,529,000	

Sum of all costs = \$1,779,000 for alternative 12.

**AIRTANKER PROGRAM COSTS**Alternative 13

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000		
ALBUQUERQUE	0	\$00,000	SAME FLEET AS NO. 1	
LIBBY	0	\$00,000	SAME DAYS AS NO. 1	
GRAND CANYON	0	\$50,000	JUST MOVED TO	
PHOENIX	0	\$50,000	DIFFERENT BASES	
PRESCOTT	0	\$00,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$250,000	\$1,529,000	

Sum of all costs = \$1,779,000 for alternative 13.

Alternative 14

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000		
ALBUQUERQUE	0	\$50,000	SAME FLEET AS NO. 1	
LIBBY	0	\$50,000	SAME DAYS AS NO. 1	
GRAND CANYON	0	\$00,000	JUST MOVED TO	
PHOENIX	0	\$50,000	DIFFERENT BASES	
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$350,000	\$1,529,000	

Sum of all costs = \$1,879,000 for alternative 14.

Alternative 15

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000		
ALBUQUERQUE	0	\$50,000	SAME FLEET AS NO. 1	
LIBBY	0	\$00,000	SAME DAYS AS NO. 1	
GRAND CANYON	0	\$50,000	JUST MOVED TO	
PHOENIX	0	\$50,000	DIFFERENT BASES	
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$350,000	\$1,529,000	

Sum of all costs = \$1,879,000 for alternative 15.

Alternative 16

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000		
ALBUQUERQUE	0	\$50,000	SAME FLEET AS NO. 1	
LIBBY	0	\$50,000	SAME DAYS AS NO. 1	
GRAND CANYON	0	\$50,000	JUST MOVED TO	
PHOENIX	0	\$00,000	DIFFERENT BASES	
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$350,000	\$1,529,000	

Sum of all costs = \$1,879,000 for alternative 16.

**AIRTANKER PROGRAM COSTS**Alternative 17

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$50,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$50,000		JUST MOVED TO
PHOENIX	0	\$50,000		DIFFERENT BASES
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$00,000		
Total	\$ 0	\$350,000	\$1,529,000	

Sum of all costs = \$1,879,000 for alternative 17.

Alternative 18

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$50,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$50,000		JUST MOVED TO
PHOENIX	0	\$50,000		DIFFERENT BASES
PRESCOTT	0	\$00,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$350,000	\$1,529,000	

Sum of all costs = \$1,879,000 for alternative 18.

Alternative 19

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$00,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$50,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$50,000		JUST MOVED TO
PHOENIX	0	\$50,000		DIFFERENT BASES
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$350,000	\$1,529,000	

Sum of all costs = \$1,879,000 for alternative 19.

Alternative 20

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000		
ALBUQUERQUE	0	\$50,000		SAME FLEET AS NO. 1
LIBBY	0	\$50,000		SAME DAYS AS NO. 1
GRAND CANYON	0	\$00,000		JUST MOVED TO
PHOENIX	0	\$50,000		DIFFERENT BASES
PRESCOTT	0	\$50,000		
SILVER CITY	0	\$50,000		
WINSLOW	0	\$50,000		
Total	\$ 0	\$350,000	\$1,529,000	

Sum of all costs = \$1,879,000 for alternative 20.

**AIRTANKER PROGRAM COSTS**Alternative 21

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$ 77,000	45
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$00,000	\$000,000	00
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$251,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$350,000	\$1,249,000	

Sum of all costs = \$1,599,000 for alternative 21.

Alternative 22

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$00,000	\$000,000	00
GRAND CANYON	0	\$00,000	\$000,000	00
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$279,000	139
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$300,000	\$1,249,000	

Sum of all costs = \$1,549,000 for alternative 22.

Alternative 23

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$00,000	\$000,000	00
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$203,000	100
Total	\$ 0	\$350,000	\$1,249,000	

Sum of all costs = \$1,599,000 for alternative 23.

Alternative 24

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$00,000	\$000,000	00
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$ 60,000	29
Total	\$ 0	\$350,000	\$1,249,000	

Sum of all costs = \$1,599,000 for alternative 24.



**AIRTANKER PROGRAM COSTS**Alternative 25

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$ 79,000	46
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	79 62
SILVER CITY	0	\$50,000	\$146,000	72
WINSLOW	0	\$50,000	\$ 92,000	45
ROSWELL	0	\$50,000	\$ 78,000	39
<b>Total</b>	<b>\$ 0</b>	<b>\$450,000</b>	<b>\$1,249,000</b>	

Sum of all costs = \$1,699,000 for alternative 25.

Alternative 26

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$146,000	72
WINSLOW	0	\$50,000	\$ 92,000	45
<b>Total</b>	<b>\$ 0</b>	<b>\$400,000</b>	<b>\$1,249,000</b>	

Sum of all costs = \$1,649,000 for alternative 26.

Alternative 27

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$ 79,000	46
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$126,000	62
WINSLOW	0	\$50,000	\$232,000	115
ROSWELL	0	\$50,000	\$ 78,000	39
<b>Total</b>	<b>\$ 0</b>	<b>\$450,000</b>	<b>\$1,369,000</b>	

Sum of all costs = \$1,819,000 for alternative 27.

Alternative 28

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$ 79,000	46
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$319,000	142
SILVER CITY	0	\$50,000	\$126,000	62
WINSLOW	0	\$50,000	\$ 72,000	35
ROSWELL	0	\$50,000	\$ 78,000	39
<b>Total</b>	<b>\$ 0</b>	<b>\$450,000</b>	<b>\$1,369,000</b>	

Sum of all costs = \$1,819,000 for alternative 28.

**AIRTANKER PROGRAM COSTS**Alternative 29

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$79,000	46
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$00,000	\$000,000	00
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$242,000	101
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$350,000	\$1,369,000	

Sum of all costs = \$1,719,000 for alternative 29.

Alternative 30

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$319,000	142
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,689,000	

Sum of all costs = \$2,089,000 for alternative 30.

Alternative 31

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 31.

Alternative 32

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 32.

**AIRTANKER PROGRAM COSTS**Alternative 33

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 33.

Alternative 34

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 34.

Alternative 35

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 35.

Alternative 36

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 36.

**AIRTANKER PROGRAM COSTS**Alternative 37

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 37.

Alternative 38

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 38.

Alternative 39

<u>Airtanker Base</u>	<u>Annualized One-Time Costs</u>	<u>Annual O &amp; M Costs</u>	<u>Total Season Availability</u>	<u>Days in Season</u>
ALAMOGORDO	0	\$50,000	\$171,000	87
ALBUQUERQUE	0	\$50,000	\$157,000	85
LIBBY	0	\$50,000	\$108,000	55
GRAND CANYON	0	\$50,000	\$165,000	80
PHOENIX	0	\$50,000	\$251,000	89
PRESCOTT	0	\$50,000	\$159,000	62
SILVER CITY	0	\$50,000	\$286,000	142
WINSLOW	0	\$50,000	\$232,000	115
Total	\$ 0	\$400,000	\$1,529,000	

Sum of all costs = \$1,929,000 for alternative 39.

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Summary By Alternative and Forest  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL01	2051		46000	17540558	3133344	20673902	-4095120	1929000	26698022
AL02	2051		72052	27658776	736544	28395320	-5516536	0	33911856
AL03	2051		45125	17416107	2817817	20233924	-4656418	1679000	26569342
AL04	2051		55037	20271324	3098729	23370053	-4233452	1679000	29282505
AL05	2051		44859	18022671	2509743	20532414	-4183829	1679000	26395243
AL06	2051		47132	19051164	2583062	21634226	-4460790	1729000	27824016
AL07	2051		40522	16103928	2820885	18924813	-3803752	1729000	24457565
AL08	2051		54922	20296278	2898843	23195121	-4872106	1729000	29796227
AL09	2051		47407	18043363	3022384	21065747	-4150102	1729000	26944849
AL10	2051		46757	17495563	2950698	20446261	-4419275	1779000	26644536
AL11	2051		49276	18022569	3153612	21176181	-4042191	1779000	26997372
AL12	2051		42455	16465874	3008162	19474036	-4402731	1779000	25655767
AL13	2051		46364	18008599	2993657	21002256	-4107029	1779000	26888285
AL14	2051		40085	15600818	2970356	18571174	-4125010	1879000	24575184
AL15	2051		39328	15436770	2871355	18308125	-4010909	1879000	24198034
AL16	2051		40986	16114592	2705412	18820004	-4342557	1879000	25041561
AL17	2051		43670	16944282	2979164	19923446	-4546604	1879000	26349050
AL18	2051		44184	17116147	2932124	20048271	-4341455	1879000	26268726
AL19	2051		42373	16357029	2942541	19299570	-4526855	1879000	25705425
AL20	2051		43409	16371565	3043193	19414758	-4263356	1879000	25557114
AL21	2051		50767	19450074	2786992	22237066	-4888537	1599000	28724603
AL22	2051		52578	19662405	2720037	22382442	-4612916	1549000	28544358
AL23	2051		54456	20775504	2466702	23242206	-5066857	1599000	29908063
AL24	2051		54567	20416491	2607616	23024107	-5048275	1599000	29671382
AL25	2051		56365	21092102	2635510	23727612	-5031296	1699000	30457908
AL26	2051		56699	21311415	2649894	23961309	-5029581	1649000	30639890
AL27	2051		54290	20357995	2835479	23193474	-4970771	1819000	29983245
AL28	2051		55580	20658811	2775519	23434330	-4985257	1819000	30238587
AL29	2051		47468	18234152	2902702	21136854	-4475566	1719000	27331420
AL30	2051		46951	17945741	2996895	20942636	-4321850	2089000	27353486
AL31	2051		49378	19037092	2882553	21919645	-4706519	1929000	28555164
AL32	2051		44656	17540152	2796204	20336356	-4304954	1929000	26570310
AL33	2051		48652	18617640	2949493	21567133	-4723424	1929000	28219557
AL34	2051		49222	18694015	2989337	21683352	-4736720	1929000	28349072
AL35	2051		49072	18965730	2898083	21863813	-4459548	1929000	28252361
AL36	2051		49297	19026196	2896448	21922644	-4683028	1929000	28534672
AL37	2051		49042	18839198	2878101	21717299	-4711674	1929000	28357973
AL38	2051		49021	18855125	2986968	21842093	-4595792	1929000	28366885
AL39	2051		49295	18993453	2889741	21883194	-4705750	1929000	28517944

## Southwest Geographic Area - Appendix J

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL01		1349.38	605.54	56.94	13.67	16.18	6.29	1.82	2049.82
AL02		1318.66	556.83	98.83	37.85	21.81	13.41	2.35	2049.74
AL03		1331.18	602.02	75.14	18.71	14.51	6.91	1.35	2049.82
AL04		1337.18	605.83	61.37	16.46	16.84	9.97	2.16	2049.81
AL05		1321.92	596.56	84.41	27.06	8.57	9.97	1.35	2049.84
AL06		1321.92	594.17	83.27	28.12	10.53	10.45	1.35	2049.81
AL07		1337.18	607.62	71.28	15.65	8.62	8.14	1.35	2049.84
AL08		1331.18	596.75	74.94	19.19	17.00	8.62	2.13	2049.81
AL09		1346.06	604.71	60.12	13.76	16.84	6.44	1.85	2049.78
AL10		1331.18	609.60	68.13	16.98	15.79	6.30	1.82	2049.80
AL11		1337.18	608.15	62.39	16.17	15.36	8.73	1.85	2049.83
AL12		1346.06	604.38	63.62	13.82	14.35	6.24	1.35	2049.82
AL13		1334.62	613.86	59.43	16.06	16.13	8.34	1.38	2049.82
AL14		1346.06	607.00	64.65	13.32	11.44	6.02	1.35	2049.84
AL15		1345.64	605.31	68.11	13.43	9.82	6.18	1.35	2049.84
AL16		1331.18	609.98	74.32	16.65	9.91	6.42	1.35	2049.81
AL17		1345.64	604.42	63.34	14.06	14.29	6.71	1.35	2049.81
AL18		1337.18	608.15	67.05	15.97	11.46	8.66	1.35	2049.82
AL19		1346.06	600.04	70.07	13.58	12.01	6.74	1.35	2049.85
AL20		1346.06	605.42	65.31	13.55	11.38	6.30	1.82	2049.84
AL21		1345.64	591.15	66.60	19.42	17.89	7.21	1.85	2049.76
AL22		1345.64	598.36	64.05	14.76	17.22	7.59	2.16	2049.78
AL23		1330.76	593.29	74.79	22.25	18.80	7.75	2.13	2049.77
AL24		1345.64	595.56	65.99	14.97	17.09	8.37	2.16	2049.78
AL25		1345.64	589.89	65.92	19.05	18.13	8.99	2.16	2049.78
AL26		1345.64	589.17	66.09	19.05	18.69	8.98	2.16	2049.78
AL27		1345.64	590.18	66.51	19.21	17.44	8.93	1.85	2049.76
AL28		1345.64	593.67	66.10	16.01	17.42	8.81	2.16	2049.81
AL29		1345.64	596.32	67.54	14.47	17.76	6.25	1.82	2049.80
AL30		1345.64	596.76	67.75	14.47	17.17	6.24	1.82	2049.85
AL31		1345.64	591.54	67.24	19.38	17.13	7.02	1.82	2049.77
AL32		1345.64	600.02	66.81	17.04	12.00	6.48	1.82	2049.81
AL33		1346.06	596.60	66.81	14.54	17.07	6.91	1.82	2049.81
AL34		1345.64	596.73	67.02	14.31	17.09	7.20	1.82	2049.81
AL35		1345.64	590.96	68.39	18.79	17.13	7.05	1.82	2049.78
AL36		1345.64	591.57	67.42	19.21	17.09	7.02	1.82	2049.77
AL37		1345.64	591.63	67.82	19.23	16.59	7.03	1.82	2049.76
AL38		1345.64	593.77	65.63	18.83	17.13	6.97	1.82	2049.79
AL39		1345.64	591.71	67.18	19.38	17.09	6.97	1.82	2049.79

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL01			37.45	210.64	45.30	14.18	28.44	10.88	3.46	350.35
AL02			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL03			19.67	129.89	65.77	16.85	24.82	10.84	2.26	270.10
AL04			20.04	191.23	52.40	13.55	29.78	13.68	3.82	324.50
AL05			4.12	125.88	85.86	16.16	13.24	10.84	2.26	258.36
AL06			3.69	126.51	86.85	19.35	17.00	13.13	2.70	269.23
AL07			20.90	193.50	72.89	12.54	13.34	9.95	2.30	325.42
AL08			19.67	121.67	68.61	18.87	29.00	15.58	4.26	277.66
AL09			34.12	193.24	49.96	13.53	29.76	10.74	3.34	334.69
AL10			19.67	164.12	54.89	14.62	27.68	10.30	3.34	294.62
AL11			20.90	205.62	53.22	13.35	26.71	11.44	3.34	334.58
AL12			34.55	195.81	59.37	14.65	24.80	10.50	2.48	342.16
AL13			17.48	204.66	50.24	13.45	28.36	10.87	2.40	327.46
AL14			34.55	220.15	62.75	13.73	18.98	10.06	2.48	362.70
AL15			32.63	207.58	67.42	12.99	15.74	9.90	2.30	348.56
AL16			19.67	170.56	69.38	14.06	15.92	10.65	2.40	302.64
AL17			32.63	205.22	61.58	15.04	24.57	11.75	2.52	353.31
AL18			20.90	211.01	68.39	14.04	18.91	11.87	2.52	347.64
AL19			34.55	200.38	73.99	14.06	20.12	11.61	2.48	357.19
AL20			34.55	203.68	61.70	13.85	18.86	10.61	3.38	346.63
AL21			32.20	157.23	34.75	13.06	15.94	6.49	1.85	261.52
AL22			32.20	157.98	29.02	7.71	15.27	6.52	1.98	250.68
AL23			17.32	113.33	37.09	12.79	16.85	7.13	2.13	206.64
AL24			32.20	155.33	31.21	7.99	15.14	7.41	1.98	251.26
AL25			32.20	156.11	34.32	12.76	16.18	8.38	2.16	262.11
AL26			32.20	155.39	34.50	12.76	16.74	8.37	2.16	262.12
AL27			32.20	156.39	34.92	12.92	15.49	8.32	1.85	262.09
AL28			32.20	159.86	34.50	9.72	15.47	8.20	2.16	262.11
AL29			32.20	162.38	35.70	8.11	15.81	5.53	1.82	261.55
AL30			32.20	162.95	36.16	8.18	15.22	5.63	1.82	262.16
AL31			32.20	157.75	35.66	13.09	15.18	6.41	1.82	262.11
AL32			32.20	192.44	67.03	16.85	19.61	10.82	3.34	342.29
AL33			34.12	176.55	56.23	12.84	18.79	10.44	2.19	311.16
AL34			32.20	172.38	59.16	12.33	18.92	11.13	2.23	308.35
AL35			32.20	158.75	46.13	13.80	25.42	8.57	2.99	287.86
AL36			32.20	177.74	47.36	16.12	26.90	8.63	2.97	311.92
AL37			32.20	168.26	46.47	15.05	25.57	8.37	2.97	298.89
AL38			32.20	181.85	42.47	15.11	26.93	7.83	3.05	309.44
AL39			32.20	159.46	37.57	13.87	15.79	7.80	2.02	268.71

Key To National Forest Identification Numbers  
Used in the Initial Attack Analysis

01-Apache-Sitgreaves NF  
02-Carson NF  
03-Cibola NF  
04-Coconino NF

05-Coronado NF  
06-Gila NF  
07-Kaibab NF  
08-Lincoln NF

09-Prescott NF  
10-Santa Fe NF  
12-Tonto NF

Southwest Geographic Area - Appendix J

National Airtanker Study  
Summary By Alternative and Forest  
(Per Acre And Unit Mission Separate)

		Annual Expected Values						AT	UNIT'S
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	PROG	ALT	
NO	NO	FREQ	SUPP	MISSION	SUPP	CHANGE	COST	COSTS	
			COST	COST	COST				
<b>AL01</b>									
	01	265	1827	1256959	261624	1518583	-737731	-	2256314
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	248	155740	182881	338621	-4365	-	342986
	04	489	1190	1240322	72663	1312985	-650080	-	1963065
	05	128	9298	1839378	112561	1951939	-1433536	-	3385475
	06	263	16885	4303906	1298941	5602847	-535446	-	6138293
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	672	483029	137090	620119	-21284	-	641403
	09	100	2077	871477	162494	1033971	15348	-	1049319
	10	111	2401	2698288	164099	2862387	-66153	-	2928540
	12	325	11038	4160865	684318	4845183	-570813	-	5415996
Total:		2051	46000	17540558	3133344	20673902	-4095120	1929000	26698022
<b>AL02</b>									
	01	265	4602	2828164	39750	2867914	-1138760	-	4006674
	02	44	491	617799	48607	666406	-46050	-	712456
	03	71	938	432573	105141	537714	-16046	-	553760
	04	489	1326	1369731	3691	1373422	-742750	-	2116172
	05	128	10411	2074615	0	2074615	-1604125	-	3678740
	06	263	22418	6605241	419471	7024712	-709260	-	7733972
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	6410	1164316	31547	1195863	-187694	-	1383557
	09	100	7161	3054825	0	3054825	88400	-	3143225
	10	111	2408	2787618	88301	2875919	-66190	-	2942109
	12	325	15656	6415922	36	6415958	-1010463	-	7426421
Total:		2051	72052	27658776	736544	28395320	-5516536	0	33911856
<b>AL03</b>									
	01	265	2041	1417713	261802	1679515	-904982	-	2584497
	02	44	131	219454	66016	285470	-7705	-	293175
	03	71	252	159581	192938	352519	-5201	-	357720
	04	489	1192	1241203	80221	1321424	-653460	-	1974884
	05	128	9384	1888788	73165	1961953	-1453753	-	3415706
	06	263	12967	3413284	1145664	4558948	-502946	-	5061894
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	677	463693	171261	634954	-20662	-	655616
	09	100	2069	878725	159610	1038335	16135	-	1054470
	10	111	1791	2098583	101894	2200477	-54889	-	2255366
	12	325	14390	5327111	565246	5892357	-985357	-	6877714
Total:		2051	45125	17416107	2817817	20233924	-4656418	1679000	26569342
<b>AL04</b>									
	01	265	3793	2093990	355211	2449201	-784320	-	3233521
	02	44	212	310655	63937	374592	-17150	-	391742
	03	71	246	155826	170776	326602	-4236	-	330838
	04	489	1157	1205633	83501	1289134	-628822	-	1917956
	05	128	9846	1966968	46106	2013074	-1514481	-	3527555
	06	263	22145	5733567	1239396	6972963	-698322	-	7671285
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	360	290691	98079	388770	-15160	-	403930
	09	100	4211	1670064	100039	1770103	38377	-	1808480
	10	111	2298	2610273	156735	2767008	-64236	-	2831244
	12	325	10538	3925685	784949	4710634	-461504	-	5172138
Total:		2051	55037	20271324	3098729	23370053	-4233452	1679000	29282505



Southwest Geographic Area - Appendix J

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

			Annual Expected Values				AT	UNIT'S	
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	PROG COST	ALT COSTS
<b>AL05</b>									
	01	265	1699	1226501	296232	1522733	-754337	-	2277070
	02	44	131	219454	66016	285470	-7705	-	293175
	03	71	246	154469	205493	359962	-4446	-	364408
	04	489	1198	1254650	80572	1335222	-653342	-	1988564
	05	128	9383	1888699	73379	1962078	-1453737	-	3415815
	06	263	8654	2308496	1120442	3428938	-244537	-	3673475
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	677	463693	171261	634954	-20662	-	655616
	09	100	5890	2343890	73622	2417512	60629	-	2478141
	10	111	1791	2092512	107965	2200477	-54889	-	2255366
	12	325	14959	5762335	314761	6077096	-967205	-	7044301
Total:		2051	44859	18022671	2509743	20532414	-4183829	1679000	26395243
<b>AL06</b>									
	01	265	3170	1926578	301145	2227723	-980409	-	3208132
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	246	155300	177260	332560	-4172	-	336732
	04	489	1285	1299472	48116	1347588	-722575	-	2070163
	05	128	8890	1756583	145201	1901784	-1436694	-	3338478
	06	263	9729	2542059	1323267	3865326	-272675	-	4138001
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	356	277902	96242	374144	-14630	-	388774
	09	100	6056	2400515	65246	2465761	90116	-	2555877
	10	111	2008	2342835	129171	2472006	-59125	-	2531131
	12	325	15028	5819378	242051	6061429	-969263	-	7030692
Total:		2051	47132	19051164	2583062	21634226	-4460790	1729000	27824016
<b>AL07</b>									
	01	265	1807	1257378	310587	1567965	-755496	-	2323461
	02	44	131	219454	66016	285470	-7705	-	293175
	03	71	246	154462	205585	360047	-4446	-	364493
	04	489	1171	1230953	89295	1320248	-635525	-	1955773
	05	128	9389	1886697	77576	1964273	-1453975	-	3418248
	06	263	9322	2479774	1126295	3606069	-259312	-	3865381
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	677	472999	161291	634290	-20667	-	654957
	09	100	4502	1794627	89139	1883766	47775	-	1931541
	10	111	1791	2092512	107965	2200477	-54889	-	2255366
	12	325	11255	4207100	587136	4794236	-575914	-	5370150
Total:		2051	40522	16103928	2820885	18924813	-3803752	1729000	24457565
<b>AL08</b>									
	01	265	4189	2424818	225238	2650056	-1032117	-	3682173
	02	44	131	219454	66016	285470	-7705	-	293175
	03	71	284	176723	170563	347286	-6381	-	353667
	04	489	1264	1263561	77613	1341174	-717095	-	2058269
	05	128	8896	1770950	132532	1903482	-1436962	-	3340444
	06	263	21098	5387820	1392076	6779896	-548946	-	7328842
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	380	293792	121459	415251	-15778	-	431029
	09	100	2198	939639	153850	1093489	18754	-	1112243
	10	111	1791	2100256	100221	2200477	-54889	-	2255366
	12	325	14460	5411293	459275	5870568	-987389	-	6857957
Total:		2051	54922	20296278	2898843	23195121	-4872106	1729000	29796227

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL09									
	01	265	2035	1386913	302642	1689555	-775450	-	2465005
	02	44	211	308677	55343	364020	-17084	-	381104
	03	71	261	165584	173846	339430	-6130	-	345560
	04	489	1179	1219373	77763	1297136	-650119	-	1947255
	05	128	9560	1903171	71005	1974176	-1395920	-	3370096
	06	263	18446	4843118	1072446	5915564	-680853	-	6596417
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	680	484315	147396	631711	-21854	-	653565
	09	100	1765	734741	156275	891016	12423	-	903439
	10	111	2401	2720341	142046	2862387	-66153	-	2928540
	12	325	10638	3969158	823622	4792780	-465364	-	5258144
Total:		2051	47407	18043363	3022384	21065747	-4150102	1729000	26944849
AL10									
	01	265	2271	1513907	322453	1836360	-944377	-	2780737
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	253	158934	186376	345310	-6071	-	351381
	04	489	1176	1213866	77258	1291124	-649150	-	1940274
	05	128	9552	1854044	130708	1984752	-1549080	-	3533832
	06	263	16923	4315549	1355164	5670713	-532998	-	6203711
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	667	488797	102463	591260	-20040	-	611300
	09	100	1839	764257	158646	922903	9289	-	932192
	10	111	1811	2123217	106907	2230124	-55654	-	2285778
	12	325	11903	4535480	444741	4980221	-579885	-	5560106
Total:		2051	46757	17495563	2950698	20446261	-4419275	1779000	26644536
AL11									
	01	265	1850	1299547	277830	1577377	-779873	-	2357250
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	246	153268	202128	355396	-4314	-	359710
	04	489	1160	1210517	92874	1303391	-628587	-	1931978
	05	128	9561	1911497	63678	1975175	-1395995	-	3371170
	06	263	18085	4510861	1384725	5895586	-547112	-	6442698
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	378	282172	136190	418362	-15735	-	434097
	09	100	4611	1832116	88917	1921033	47976	-	1969009
	10	111	1811	2119206	110918	2230124	-55654	-	2285778
	12	325	11212	4175873	730370	4906243	-571588	-	5477831
Total:		2051	49276	18022569	3153612	21176181	-4042191	1779000	26997372
AL12									
	01	265	2042	1417349	266503	1683852	-905035	-	2588887
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	274	170962	190220	361182	-7324	-	368506
	04	489	1267	1265146	74722	1339868	-720772	-	2060640
	05	128	8812	1772996	123062	1896058	-1381906	-	3277964
	06	263	13392	3447223	1196769	4643992	-646175	-	5290167
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	677	482609	150182	632791	-20669	-	653460
	09	100	2055	870868	157134	1028002	16568	-	1044570
	10	111	1811	2129345	100779	2230124	-55654	-	2285778
	12	325	11763	4381864	682809	5064673	-590455	-	5655128
Total:		2051	42455	16465874	3008162	19474036	-4402731	1779000	25655767

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

		Annual Expected Values						AT	UNIT'S
ALT	UN		ACRE	UNIT	EMERGENCY	NET VAL	PROG	ALT	
NO	NO	FREQ	ACRES	SUPP	MISSION	SUPP COST	COST	COSTS	
				COST	COST				
						CHANGE			
AL13									
	01	265	1777	1236816	314503	1551319	-736308	-	2287627
	02	44	337	449892	57502	507394	-31984	-	539378
	03	71	247	152439	187510	339949	-4095	-	344044
	04	489	1164	1227164	72838	1300002	-632654	-	1932656
	05	128	10072	1957249	74846	2032095	-1465951	-	3498046
	06	263	14226	3680637	1221316	4901953	-534499	-	5436459
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	667	480975	117170	598145	-20063	-	618208
	09	100	4211	1669005	96900	1765905	37335	-	1803240
	10	111	2404	2681078	190037	2871115	-66167	-	2937282
	12	325	11028	4165320	659725	4825045	-569348	-	5394393
Total:		2051	46364	18008599	2993657	21002256	-4107029	1779000	26888285
AL14									
	01	265	1986	1358656	270382	1629038	-878195	-	2507233
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	255	158757	205594	364351	-5339	-	369690
	04	489	1167	1222289	84220	1306509	-634783	-	1941292
	05	128	8824	1782619	119048	1901667	-1382455	-	3284122
	06	263	11778	2915338	1202306	4117644	-486981	-	4604625
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	669	476732	135712	612444	-20205	-	632649
	09	100	1976	828413	161001	989414	14066	-	1003480
	10	111	1811	2122601	107523	2230124	-55654	-	2285778
	12	325	11257	4207901	618588	4826489	-584155	-	5410644
Total:		2051	40085	15600818	2970356	18571174	-4125010	1879000	24575184
AL15									
	01	265	1793	1254131	306462	1560593	-745668	-	2306261
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	252	158499	210625	369124	-6121	-	375245
	04	489	1183	1226544	86374	1312918	-651661	-	1964579
	05	128	9391	1883819	80998	1964817	-1454026	-	3418843
	06	263	10708	2741906	1147217	3889123	-437465	-	4326588
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	669	476732	135712	612444	-20205	-	632649
	09	100	2043	874917	128507	1003424	25167	-	1028591
	10	111	1811	2122302	107822	2230124	-55654	-	2285778
	12	325	11116	4170356	600346	4770702	-574270	-	5344972
Total:		2051	39328	15436770	2871355	18308125	-4010909	1879000	24198034
AL16									
	01	265	1966	1348264	301736	1650000	-865217	-	2515217
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	246	155600	191580	347180	-4845	-	352025
	04	489	1251	1239835	81326	1321161	-714947	-	2036108
	05	128	9561	1870233	120495	1990728	-1549181	-	3539909
	06	263	10838	2828732	1158535	3987267	-469568	-	4456835
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	673	484407	132776	617183	-21363	-	638546
	09	100	1903	792731	160486	953217	10771	-	963988
	10	111	1811	2121648	108476	2230124	-55654	-	2285778
	12	325	12375	4745578	382710	5128288	-581547	-	5709835
Total:		2051	40986	16114592	2705412	18820004	-4342557	1879000	25041561

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Annual Expected Values									
ALT NO	UN NO	FREQ	ACRES	ACRE UNIT			NET VAL	AT	UNIT'S
				SUPP COST	MISSION COST	EMERGENCY SUPP COST			
AL17									
	01	265	2049	1429165	259530	1688695	-785996	-	2474691
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	279	173312	195019	368331	-7137	-	375468
	04	489	1160	1211674	93153	1304827	-631079	-	1935906
	05	128	8785	1780709	115145	1895854	-1363411	-	3259265
	06	263	13393	3494175	1155634	4649809	-646372	-	5296181
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	669	476732	135712	612444	-20205	-	632649
	09	100	2101	892228	126210	1018438	20499	-	1038937
	10	111	1811	2128445	101679	2230124	-55654	-	2285778
	12	325	13061	4830278	729790	5560068	-966243	-	6526311
Total:		2051	43670	16944282	2979164	19923446	-4546604	1879000	26349050
AL18									
	01	265	1848	1311972	264339	1576311	-779860	-	2356171
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	255	158757	205594	364351	-5339	-	369690
	04	489	1159	1208924	93459	1302383	-628199	-	1930582
	05	128	8784	1780444	114576	1895020	-1363395	-	3258415
	06	263	11778	2915338	1202306	4117644	-486981	-	4604625
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	669	476732	135712	612444	-20205	-	632649
	09	100	4475	1787892	87628	1875520	50210	-	1925730
	10	111	1811	2122601	107523	2230124	-55654	-	2285778
	12	325	13043	4825923	653695	5479618	-961026	-	6440644
Total:		2051	44184	17116147	2932124	20048271	-4341455	1879000	26268726
AL19									
	01	265	2000	1373070	263189	1636259	-888023	-	2524282
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	252	158711	199287	357998	-5392	-	363390
	04	489	1171	1231589	85912	1317501	-634910	-	1952411
	05	128	8824	1785364	116196	1901560	-1382425	-	3283985
	06	263	11775	2930648	1175227	4105875	-486919	-	4592794
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	677	482609	150182	632791	-20669	-	653460
	09	100	2098	889039	160714	1049753	15483	-	1065236
	10	111	1811	2123501	106623	2230124	-55654	-	2285778
	12	325	13403	4854934	617919	5472853	-977340	-	6450193
Total:		2051	42373	16357029	2942541	19299570	-4526855	1879000	25705425
AL20									
	01	265	2107	1416475	283229	1699704	-871734	-	2571438
	02	44	131	219540	65982	285522	-7711	-	293233
	03	71	249	157276	183352	340628	-4329	-	344957
	04	489	1156	1198526	90186	1288712	-630099	-	1918811
	05	128	9520	1868951	115542	1984493	-1530268	-	3514761
	06	263	14468	3652371	1196399	4848770	-490140	-	5338910
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	673	484407	132776	617183	-21363	-	638546
	09	100	1899	794438	160298	954736	12183	-	966919
	10	111	1811	2121947	108177	2230124	-55654	-	2285778
	12	325	11164	4149662	707252	4856914	-580643	-	5437557
Total:		2051	43409	16371565	3043193	19414758	-4263356	1879000	25557114

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Annual Expected Values									
ALT	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
-----									
AL21									
	01	265	2253	1539582	249463	1789045	-908245	-	2697290
	02	44	212	311775	56267	368042	-17135	-	385177
	03	71	250	157952	161308	319260	-4347	-	323607
	04	489	1219	1282960	49396	1332356	-659529	-	1991885
	05	128	9785	1912421	96378	2008799	-1510736	-	3519535
	06	263	17338	4508781	1184442	5693223	-678881	-	6372104
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	679	504780	106159	610939	-21608	-	632547
	09	100	2472	1051477	116707	1168184	37577	-	1205761
	10	111	2405	2709196	162209	2871405	-66174	-	2937579
	12	325	13923	5163178	604663	5767841	-975861	-	6743702
	Total:	2051	50767	19450074	2786992	22237066	-4888537	1599000	28724603
AL22									
	01	265	2265	1535845	261129	1796974	-908326	-	2705300
	02	44	212	311832	56210	368042	-17135	-	385177
	03	71	255	161573	160125	321698	-5356	-	327054
	04	489	1199	1256970	59962	1316932	-654118	-	1971050
	05	128	10400	2020201	56536	2076737	-1603525	-	3680262
	06	263	21402	5719073	1034536	6753609	-687783	-	7441392
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	679	504780	106159	610939	-21608	-	632547
	09	100	2130	909527	125324	1034851	22168	-	1057019
	10	111	2405	2717498	153907	2871405	-66174	-	2937579
	12	325	11400	4217134	706149	4923283	-587461	-	5510744
	Total:	2051	52578	19662405	2720037	22382442	-4612916	1549000	28544358
AL23									
	01	265	2357	1622633	229715	1852348	-969787	-	2822135
	02	44	212	311832	56210	368042	-17135	-	385177
	03	71	255	161573	160125	321698	-5356	-	327054
	04	489	1277	1280508	53996	1334504	-717015	-	2051519
	05	128	9573	1896335	94698	1991033	-1549726	-	3540759
	06	263	20266	5342142	1112045	6454187	-685523	-	7139710
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	679	504780	106159	610939	-21608	-	632547
	09	100	2397	1026204	120833	1147037	30301	-	1177338
	10	111	2405	2717498	153907	2871405	-66174	-	2937579
	12	325	14804	5603975	377704	5981679	-981539	-	6963218
	Total:	2051	54456	20775504	2466702	23242206	-5066857	1599000	29908063
AL24									
	01	265	2265	1547701	249273	1796974	-908326	-	2705300
	02	44	212	311832	56210	368042	-17135	-	385177
	03	71	255	161573	160125	321698	-5356	-	327054
	04	489	1273	1289263	51189	1340452	-720895	-	2061347
	05	128	10400	2019854	56578	2076432	-1603548	-	3679980
	06	263	21402	5719073	1034536	6753609	-687783	-	7441392
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	679	504780	106159	610939	-21608	-	632547
	09	100	2232	956077	121424	1077501	32702	-	1110203
	10	111	2405	2717498	153907	2871405	-66174	-	2937579
	12	325	13213	4880816	616905	5497721	-966857	-	6464578
	Total:	2051	54567	20416491	2607616	23024107	-5048275	1599000	29671382

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Annual Expected Values									
ALT NO	UN NO	FREQ	ACRES	ACRE	UNIT	EMERGENCY	NET VAL	AT	UNIT'S
				SUPP COST	MISSION COST	SUPP COST	CHANGE	PROG COST	ALT COSTS
AL25									
	01	265	4061	2326868	228030	2554898	-988426	-	3543324
	02	44	212	311368	56243	367611	-17131	-	384742
	03	71	256	160319	163513	323832	-5403	-	329235
	04	489	1283	1295292	48839	1344131	-721615	-	2065746
	05	128	9788	1916393	92472	2008865	-1510897	-	3519762
	06	263	21407	5596240	1160246	6756486	-688238	-	7444724
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	375	297803	92457	390260	-16333	-	406593
	09	100	2465	1050167	114861	1165028	42929	-	1207957
	10	111	2294	2614679	145587	2760266	-63937	-	2824203
	12	325	13993	5214949	531952	5746901	-978950	-	6725851
Total:		2051	56365	21092102	2635510	23727612	-5031296	1699000	30457908
AL26									
	01	265	4061	2321134	233764	2554898	-988426	-	3543324
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	258	161715	163390	325105	-5556	-	330661
	04	489	1283	1290845	52427	1343272	-721617	-	2064889
	05	128	9788	1910095	98770	2008865	-1510897	-	3519762
	06	263	21407	5610988	1145498	6756486	-688238	-	7444724
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	679	504382	106718	611100	-21613	-	632713
	09	100	2465	1050167	114861	1165028	42929	-	1207957
	10	111	2401	2716546	145841	2862387	-66153	-	2928540
	12	325	13993	5214949	531952	5746901	-978950	-	6725851
Total:		2051	56699	21311415	2649894	23961309	-5029581	1649000	30639890
AL27									
	01	265	4061	2308178	246720	2554898	-988426	-	3543324
	02	44	212	311311	56300	367611	-17131	-	384742
	03	71	250	156837	164457	321294	-4470	-	325764
	04	489	1209	1274184	51821	1326005	-658173	-	1984178
	05	128	9787	1910354	98462	2008816	-1510852	-	3519668
	06	263	19651	5042326	1244758	6287084	-685249	-	6972333
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	375	297803	92457	390260	-16333	-	406593
	09	100	2297	978154	121911	1100065	32956	-	1133021
	10	111	2294	2607646	152620	2760266	-63937	-	2824203
	12	325	13923	5163178	604663	5767841	-975861	-	6743702
Total:		2051	54290	20357995	2835479	23193474	-4970771	1819000	29983245
AL28									
	01	265	4061	2315012	239886	2554898	-988426	-	3543324
	02	44	212	311368	56243	367611	-17131	-	384742
	03	71	256	160319	163513	323832	-5403	-	329235
	04	489	1198	1254711	60098	1314809	-653495	-	1968304
	05	128	9787	1910280	98534	2008814	-1510852	-	3519666
	06	263	21407	5596240	1160246	6756486	-688238	-	7444724
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	375	297803	92457	390260	-16333	-	406593
	09	100	2130	910187	124487	1034674	22832	-	1057506
	10	111	2294	2614679	145587	2760266	-63937	-	2824203
	12	325	13629	4980188	633158	5613346	-980979	-	6594325
Total:		2051	55580	20658811	2775519	23434330	-4985257	1819000	30238587

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Annual Expected Values									
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL29									
	01	265	2253	1527726	261319	1789045	-908245	-	2697290
	02	44	212	311775	56267	368042	-17135	-	385177
	03	71	250	157952	161308	319260	-4347	-	323607
	04	489	1177	1250417	61788	1312205	-636579	-	1948784
	05	128	9057	1831784	102440	1934224	-1479635	-	3413859
	06	263	17338	4508781	1184442	5693223	-678881	-	6372104
	07	195	231	307972	0	307972	-83598	-	391570
	08	60	679	504780	106159	610939	-21608	-	632547
	09	100	2131	909914	125777	1035691	22183	-	1057874
	10	111	2405	2709196	162209	2871405	-66174	-	2937579
	12	325	11735	4213855	680993	4894848	-601547	-	5496395
	Total:	2051	47468	18234152	2902702	21136854	-4475566	1719000	27331420
AL30									
	01	265	2253	1525830	263215	1789045	-908245	-	2697290
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	247	156564	160862	317426	-4193	-	321619
	04	489	1173	1235805	68640	1304445	-635475	-	1939920
	05	128	9053	1817632	114842	1932474	-1479431	-	3411905
	06	263	16949	4387114	1238385	5625499	-534647	-	6160146
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	679	494973	117127	612100	-21603	-	633703
	09	100	2097	888686	128459	1017145	20504	-	1037649
	10	111	2401	2694688	167699	2862387	-66153	-	2928540
	12	325	11735	4213855	680993	4894848	-601547	-	5496395
	Total:	2051	46951	17945741	2996895	20942636	-4321850	2089000	27353486
AL31									
	01	265	2253	1537686	251359	1789045	-908245	-	2697290
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	247	156564	160862	317426	-4193	-	321619
	04	489	1209	1270052	55094	1325146	-658175	-	1983321
	05	128	9056	1824089	108780	1932869	-1479538	-	3412407
	06	263	16949	4387114	1238385	5625499	-534647	-	6160146
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	679	494973	117127	612100	-21603	-	633703
	09	100	2297	978154	121911	1100065	32956	-	1133021
	10	111	2401	2694688	167699	2862387	-66153	-	2928540
	12	325	13923	5163178	604663	5767841	-975861	-	6743702
	Total:	2051	49378	19037092	2882553	21919645	-4706519	1929000	28555164
AL32									
	01	265	2107	1412089	297240	1709329	-877069	-	2586398
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	244	154998	171783	326781	-4187	-	330968
	04	489	1268	1270397	56743	1327140	-720197	-	2047337
	05	128	9052	1820111	112862	1932973	-1479437	-	3412410
	06	263	14454	3732787	1188287	4921074	-495315	-	5416389
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	679	494973	117127	612100	-21603	-	633703
	09	100	2199	938365	124855	1063220	32083	-	1095303
	10	111	2295	2598891	156775	2755666	-64224	-	2819890
	12	325	11994	4586947	513859	5100806	-583945	-	5684751
	Total:	2051	44656	17540152	2796204	20336356	-4304954	1929000	26570310

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ALT NO	UN NO	FREQ	ACRES	Annual Expected Values			NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
				ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST			
AL33									
	01	265	2251	1526714	259543	1786257	-906736	-	2692993
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	247	156564	160862	317426	-4193	-	321619
	04	489	1208	1262936	57566	1320502	-657738	-	1978240
	05	128	9052	1820084	113005	1933089	-1479437	-	3412526
	06	263	16949	4387114	1238385	5625499	-534647	-	6160146
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	679	494973	117127	612100	-21603	-	633703
	09	100	2098	889039	160714	1049753	15483	-	1065236
	10	111	2401	2694688	167699	2862387	-66153	-	2928540
	12	325	13403	4854934	617919	5472853	-977340	-	6450193
	Total:	2051	48652	18617640	2949493	21567133	-4723424	1929000	28219557
AL34									
	01	265	2227	1511736	261654	1773390	-893171	-	2666561
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	247	156564	160862	317426	-4193	-	321619
	04	489	1192	1244181	70809	1314990	-650535	-	1965525
	05	128	9527	1876676	106805	1983481	-1530480	-	3513961
	06	263	16949	4387114	1238385	5625499	-534647	-	6160146
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	679	494973	117127	612100	-21603	-	633703
	09	100	2222	946796	125064	1071860	32230	-	1104090
	10	111	2401	2694688	167699	2862387	-66153	-	2928540
	12	325	13414	4850693	684259	5534952	-977108	-	6512060
	Total:	2051	49222	18694015	2989337	21683352	-4736720	1929000	28349072
AL35									
	01	265	2253	1537224	251227	1788451	-908244	-	2696695
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	247	156564	160862	317426	-4193	-	321619
	04	489	1209	1270052	55094	1325146	-658175	-	1983321
	05	128	9258	1829738	113242	1942980	-1417843	-	3360823
	06	263	16441	4310565	1249585	5560150	-349372	-	5909522
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	679	494973	117127	612100	-21603	-	633703
	09	100	2297	978154	121911	1100065	32956	-	1133021
	10	111	2401	2694688	167699	2862387	-66153	-	2928540
	12	325	13923	5163178	604663	5767841	-975861	-	6743702
	Total:	2051	49072	18965730	2898083	21863813	-4459548	1929000	28252361
AL36									
	01	265	2225	1515105	258069	1773174	-907731	-	2680905
	02	44	131	219876	66047	285923	-7730	-	293653
	03	71	248	156508	175342	331850	-4188	-	336038
	04	489	1175	1242930	81193	1324123	-635680	-	1959803
	05	128	9053	1820362	112637	1932999	-1479469	-	3412468
	06	263	16940	4441967	1177221	5619188	-534519	-	6153707
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	673	484371	132768	617139	-21361	-	638500
	09	100	2297	978154	121911	1100065	32956	-	1133021
	10	111	2401	2695721	165287	2861008	-66150	-	2927158
	12	325	13923	5163178	604663	5767841	-975861	-	6743702
	Total:	2051	49297	19026196	2896448	21922644	-4683028	1929000	28534672



Southwest Geographic Area - Appendix J

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

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Annual Expected Values									
ALT NO	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
-----									
AL37									
	01	265	2253	1537686	251359	1789045	-908245	-	2697290
	02	44	211	308481	55539	364020	-17084	-	381104
	03	71	249	157070	165950	323020	-4309	-	327329
	04	489	1209	1270052	55094	1325146	-658175	-	1983321
	05	128	9052	1819816	113285	1933101	-1479437	-	3412538
	06	263	16945	4408153	1251545	5659698	-537707	-	6197405
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	377	285467	105310	390777	-16295	-	407072
	09	100	2297	978154	121911	1100065	32956	-	1133021
	10	111	2295	2603117	152135	2755252	-64222	-	2819474
	12	325	13923	5163178	604663	5767841	-975861	-	6743702
Total:		2051	49042	18839198	2878101	21717299	-4711674	1929000	28357973
AL38									
	01	265	2191	1481546	254140	1735686	-893158	-	2628844
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	248	155740	182881	338621	-4365	-	342986
	04	489	1209	1270052	55094	1325146	-658175	-	1983321
	05	128	8829	1790123	110311	1900434	-1382660	-	3283094
	06	263	16887	4304421	1300106	5604527	-536032	-	6140559
	07	195	231	308024	1310	309334	-83295	-	392629
	08	60	672	483029	137090	620119	-21284	-	641403
	09	100	2297	978154	121911	1100065	32956	-	1133021
	10	111	2401	2698288	164099	2862387	-66153	-	2928540
	12	325	13923	5163178	604663	5767841	-975861	-	6743702
Total:		2051	49021	18855125	2986968	21842093	-4595792	1929000	28366885
AL39									
	01	265	2253	1537686	251359	1789045	-908245	-	2697290
	02	44	133	222570	55363	277933	-7765	-	285698
	03	71	247	156564	160862	317426	-4193	-	321619
	04	489	1209	1265510	55991	1321501	-657717	-	1979218
	05	128	9054	1820748	112113	1932861	-1479488	-	3412349
	06	263	16949	4387114	1238385	5625499	-534647	-	6160146
	07	195	230	304511	1904	306415	-82634	-	389049
	08	60	679	494973	117127	612100	-21603	-	633703
	09	100	2217	945911	124275	1070186	32556	-	1102742
	10	111	2401	2694688	167699	2862387	-66153	-	2928540
	12	325	13923	5163178	604663	5767841	-975861	-	6743702
Total:		2051	49295	18993453	2889741	21883194	-4705750	1929000	28517944

Southwest Geographic Area - Appendix J

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL01									
	01	163.14	91.23	7.40	1.61	1.06	0.35	0.00	264.79
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.56	4.49	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.07	4.37	0.59	0.46	0.22	0.00	488.92
	05	70.30	45.02	8.01	1.52	0.34	2.15	0.30	127.64
	06	131.94	98.80	14.92	4.54	11.23	0.95	1.05	263.43
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.87	22.05	2.16	0.49	0.12	0.38	0.20	100.27
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	106.58	10.44	2.92	1.54	1.90	0.17	324.95
	Total:	1349.38	605.54	56.94	13.67	16.18	6.29	1.82	2049.82
AL02									
	01	159.82	85.19	13.26	3.41	1.83	1.28	0.00	264.79
	02	11.03	31.02	0.61	0.97	0.00	0.07	0.00	43.70
	03	41.34	16.90	9.84	2.81	0.18	0.11	0.00	71.18
	04	377.21	104.92	4.72	1.34	0.46	0.27	0.00	488.92
	05	70.30	42.52	10.11	1.65	0.34	2.39	0.33	127.64
	06	131.94	94.97	15.74	4.81	12.49	2.10	1.36	263.41
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	15.11	3.89	1.60	0.56	0.34	0.19	59.69
	09	65.61	20.71	3.47	4.18	2.13	3.96	0.20	100.26
	10	82.10	25.28	1.92	0.18	0.90	0.22	0.10	110.70
	12	186.52	81.93	34.01	16.83	2.92	2.56	0.17	324.94
	Total:	1318.66	556.83	98.83	37.85	21.81	13.41	2.35	2049.74
AL03									
	01	159.82	94.10	7.45	1.80	1.23	0.40	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.49	4.56	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.15	4.30	0.59	0.46	0.22	0.00	488.93
	05	70.30	42.61	10.11	1.83	0.34	2.17	0.30	127.66
	06	131.94	99.15	16.87	4.54	9.39	0.95	0.58	263.42
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.95	1.61	0.61	0.53	0.00	0.00	59.70
	09	74.87	22.14	2.21	0.23	0.28	0.33	0.20	100.26
	10	82.10	26.52	1.80	0.00	0.02	0.16	0.10	110.70
	12	186.52	101.16	24.36	7.90	2.26	2.56	0.17	324.93
	Total:	1331.18	602.02	75.14	18.71	14.51	6.91	1.35	2049.82
AL04									
	01	159.82	91.50	9.09	2.02	1.14	1.22	0.00	264.79
	02	11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
	03	44.60	21.77	4.29	0.55	0.00	0.00	0.00	71.21
	04	377.21	106.07	4.42	0.59	0.42	0.22	0.00	488.93
	05	70.30	42.54	10.34	1.65	0.34	2.15	0.33	127.65
	06	131.94	95.41	15.39	4.81	12.49	2.01	1.36	263.41
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	19.47	1.43	0.61	0.20	0.00	0.00	59.71
	09	65.99	26.32	2.65	2.71	0.12	2.26	0.20	100.25
	10	82.10	25.64	1.80	0.18	0.66	0.22	0.10	110.70
	12	201.40	107.38	10.09	2.68	1.47	1.76	0.17	324.95
	Total:	1337.18	605.83	61.37	16.46	16.84	9.97	2.16	2049.81

Southwest Geographic Area - Appendix J

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL05									
	01	159.82	94.54	7.41	1.61	1.15	0.26	0.00	264.79
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.74	4.31	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.95	4.50	0.59	0.46	0.22	0.00	488.93
	05	70.30	42.61	10.11	1.83	0.34	2.17	0.30	127.66
	06	131.94	98.24	24.33	4.10	3.41	0.83	0.58	263.43
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.95	1.61	0.61	0.53	0.00	0.00	59.70
	09	65.61	24.31	3.00	3.09	0.40	3.65	0.20	100.26
	10	82.10	26.52	1.80	0.00	0.02	0.16	0.10	110.70
	12	186.52	93.95	25.47	14.02	2.26	2.56	0.17	324.95
	Total:	1321.92	596.56	84.41	27.06	8.57	9.97	1.35	2049.84
AL06									
	01	159.82	92.96	7.58	2.11	1.47	0.86	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.74	4.31	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.85	4.41	0.72	0.46	0.27	0.00	488.92
	05	70.30	45.08	8.16	1.52	0.34	1.94	0.30	127.64
	06	131.94	94.73	26.33	4.22	4.79	0.83	0.58	263.42
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	19.53	1.36	0.61	0.20	0.00	0.00	59.70
	09	65.61	24.30	2.16	3.84	0.50	3.65	0.20	100.26
	10	82.10	26.28	1.80	0.18	0.02	0.22	0.10	110.70
	12	186.52	93.95	25.29	13.71	2.75	2.56	0.17	324.95
	Total:	1321.92	594.17	83.27	28.12	10.53	10.45	1.35	2049.81
AL07									
	01	159.82	94.46	7.41	1.61	1.15	0.34	0.00	264.79
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.74	4.31	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.98	4.51	0.59	0.42	0.22	0.00	488.93
	05	70.30	42.61	10.11	1.83	0.34	2.17	0.30	127.66
	06	131.94	98.24	23.41	4.10	4.33	0.83	0.58	263.43
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.95	1.61	0.61	0.53	0.00	0.00	59.70
	09	65.99	25.80	2.78	2.80	0.29	2.40	0.20	100.26
	10	82.10	26.52	1.80	0.00	0.02	0.16	0.10	110.70
	12	201.40	103.57	13.47	2.90	1.54	1.90	0.17	324.95
	Total:	1337.18	607.62	71.28	15.65	8.62	8.14	1.35	2049.84
AL08									
	01	159.82	90.22	9.78	2.14	1.55	1.28	0.00	264.79
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	20.67	5.33	0.61	0.00	0.00	0.00	71.21
	04	377.21	106.15	4.21	0.63	0.46	0.27	0.00	488.93
	05	70.30	45.08	8.16	1.52	0.34	1.94	0.30	127.64
	06	131.94	95.87	16.24	4.81	11.30	1.89	1.36	263.41
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	19.31	1.57	0.61	0.22	0.00	0.00	59.71
	09	74.87	22.02	2.17	0.23	0.36	0.40	0.20	100.25
	10	82.10	26.52	1.80	0.00	0.02	0.16	0.10	110.70
	12	186.52	101.16	23.81	7.98	2.75	2.56	0.17	324.95
	Total:	1331.18	596.75	74.94	19.19	17.00	8.62	2.13	2049.81

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL09									
	01	159.82	94.09	7.41	1.88	1.19	0.40	0.00	264.79
	02	11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
	03	44.60	21.02	5.03	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.31	4.13	0.59	0.46	0.22	0.00	488.92
	05	70.30	42.62	10.34	1.65	0.34	2.06	0.33	127.64
	06	131.94	99.15	13.31	4.69	11.86	1.42	1.05	263.42
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.73	1.83	0.61	0.53	0.00	0.00	59.70
	09	74.87	22.53	2.38	0.03	0.02	0.23	0.20	100.26
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	105.13	12.02	2.92	1.54	1.76	0.17	324.94
	Total:	1346.06	604.71	60.12	13.76	16.84	6.44	1.85	2049.78
AL10									
	01	159.82	93.51	7.58	2.04	1.38	0.46	0.00	264.79
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.50	4.55	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.26	4.18	0.59	0.46	0.22	0.00	488.92
	05	70.30	44.95	8.01	1.52	0.34	2.22	0.30	127.64
	06	131.94	95.96	17.47	4.81	11.23	0.95	1.05	263.41
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	19.00	1.57	0.61	0.53	0.00	0.00	59.71
	09	74.87	22.52	2.28	0.03	0.09	0.27	0.20	100.26
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	186.52	109.71	18.82	6.09	1.74	1.90	0.17	324.95
	Total:	1331.18	609.60	68.13	16.98	15.79	6.30	1.82	2049.80
AL11									
	01	159.82	94.36	7.41	1.64	1.23	0.34	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.77	4.28	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.91	4.58	0.59	0.42	0.22	0.00	488.93
	05	70.30	42.62	10.34	1.65	0.34	2.06	0.33	127.64
	06	131.94	98.48	14.55	4.69	11.30	1.42	1.05	263.43
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	19.32	1.55	0.61	0.22	0.00	0.00	59.70
	09	65.99	25.67	2.80	2.80	0.29	2.51	0.20	100.26
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	201.40	103.83	13.21	2.90	1.54	1.90	0.17	324.95
	Total:	1337.18	608.15	62.39	16.17	15.36	8.73	1.85	2049.83
AL12									
	01	159.82	94.10	7.45	1.80	1.23	0.40	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	20.39	5.61	0.60	0.00	0.00	0.00	71.20
	04	377.21	105.86	4.47	0.66	0.46	0.27	0.00	488.93
	05	70.30	45.01	8.24	1.52	0.34	1.94	0.30	127.65
	06	131.94	99.15	16.24	4.54	10.02	0.95	0.58	263.42
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.95	1.61	0.61	0.53	0.00	0.00	59.70
	09	74.87	22.31	2.14	0.23	0.14	0.38	0.20	100.27
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	201.40	102.42	14.19	3.12	1.61	2.02	0.17	324.93
	Total:	1346.06	604.38	63.62	13.82	14.35	6.24	1.35	2049.82

## Southwest Geographic Area - Appendix J

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL13									
	01	159.82	94.56	7.40	1.61	1.06	0.34	0.00	264.79
	02	11.03	31.43	0.61	0.59	0.00	0.05	0.00	43.71
	03	42.04	24.34	4.27	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.07	4.42	0.59	0.42	0.22	0.00	488.93
	05	70.30	42.62	10.11	1.65	0.34	2.29	0.33	127.64
	06	131.94	98.24	15.95	4.54	11.23	0.95	0.58	263.43
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	19.00	1.57	0.61	0.53	0.00	0.00	59.71
	09	65.99	26.39	2.53	2.77	0.11	2.26	0.20	100.25
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	107.38	9.66	2.90	1.54	1.90	0.17	324.95
	Total:	1334.62	613.86	59.43	16.06	16.13	8.34	1.38	2049.82
AL14									
	01	159.82	94.35	7.41	1.62	1.19	0.40	0.00	264.79
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.38	4.67	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.20	4.29	0.59	0.42	0.22	0.00	488.93
	05	70.30	45.01	8.24	1.52	0.34	1.94	0.30	127.65
	06	131.94	98.48	19.85	4.54	7.09	0.95	0.58	263.43
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.95	1.61	0.61	0.53	0.00	0.00	59.70
	09	74.87	22.31	2.22	0.23	0.11	0.33	0.20	100.27
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	201.40	104.13	12.69	2.92	1.74	1.90	0.17	324.95
	Total:	1346.06	607.00	64.65	13.32	11.44	6.02	1.35	2049.84
AL15									
	01	159.82	94.51	7.41	1.61	1.11	0.34	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.50	4.55	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.14	4.31	0.58	0.46	0.22	0.00	488.92
	05	70.30	42.61	10.11	1.83	0.34	2.17	0.30	127.66
	06	131.94	98.80	21.35	4.10	5.71	0.95	0.58	263.43
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.95	1.61	0.61	0.53	0.00	0.00	59.70
	09	74.45	22.13	2.56	0.49	0.11	0.32	0.20	100.26
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	201.40	104.33	12.69	2.92	1.54	1.90	0.17	324.95
	Total:	1345.64	605.31	68.11	13.43	9.82	6.18	1.35	2049.84
AL16									
	01	159.82	94.36	7.45	1.62	1.14	0.40	0.00	264.79
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.54	4.51	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.26	4.09	0.63	0.46	0.27	0.00	488.92
	05	70.30	44.95	8.01	1.52	0.34	2.22	0.30	127.64
	06	131.94	95.42	24.17	4.66	5.71	0.95	0.58	263.43
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.87	22.47	2.12	0.23	0.10	0.28	0.20	100.27
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	186.52	109.71	18.82	6.09	1.61	2.02	0.17	324.94
	Total:	1331.18	609.98	74.32	16.65	9.91	6.42	1.35	2049.81

Southwest Geographic Area - Appendix J

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL17									
	01	159.82	94.06	7.41	1.88	1.23	0.40	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	20.03	5.97	0.60	0.00	0.00	0.00	71.20
	04	377.21	106.11	4.38	0.59	0.42	0.22	0.00	488.93
	05	70.30	45.02	8.24	1.52	0.34	1.92	0.30	127.64
	06	131.94	99.15	16.24	4.54	10.02	0.95	0.58	263.42
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.95	1.61	0.61	0.53	0.00	0.00	59.70
	09	74.45	22.08	2.55	0.49	0.12	0.38	0.20	100.27
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	201.40	102.68	13.42	3.09	1.61	2.56	0.17	324.93
	Total:	1345.64	604.42	63.34	14.06	14.29	6.71	1.35	2049.81
AL18									
	01	159.82	94.38	7.41	1.62	1.23	0.34	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.38	4.67	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.91	4.58	0.59	0.42	0.22	0.00	488.93
	05	70.30	45.02	8.24	1.52	0.34	1.92	0.30	127.64
	06	131.94	98.48	19.85	4.54	7.09	0.95	0.58	263.43
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.95	1.61	0.61	0.53	0.00	0.00	59.70
	09	65.99	26.02	2.56	2.88	0.22	2.39	0.20	100.26
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	201.40	101.67	14.61	2.92	1.61	2.56	0.17	324.94
	Total:	1337.18	608.15	67.05	15.97	11.46	8.66	1.35	2049.82
AL19									
	01	159.82	94.32	7.41	1.62	1.23	0.40	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.31	4.75	0.55	0.00	0.00	0.00	71.21
	04	377.21	105.98	4.51	0.59	0.42	0.22	0.00	488.93
	05	70.30	45.01	8.24	1.52	0.34	1.94	0.30	127.65
	06	131.94	98.48	19.85	4.54	7.09	0.95	0.58	263.43
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.95	1.61	0.61	0.53	0.00	0.00	59.70
	09	74.87	21.78	2.41	0.49	0.12	0.39	0.20	100.26
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	201.40	97.87	17.77	2.92	2.26	2.56	0.17	324.95
	Total:	1346.06	600.04	70.07	13.58	12.01	6.74	1.35	2049.85
AL20									
	01	159.82	94.28	7.45	1.64	1.14	0.46	0.00	264.79
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.53	4.53	0.55	0.00	0.00	0.00	71.21
	04	377.21	106.29	4.20	0.59	0.42	0.22	0.00	488.93
	05	70.30	44.97	8.01	1.52	0.34	2.21	0.30	127.65
	06	131.94	96.65	20.93	4.81	7.09	0.95	1.05	263.42
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.87	22.45	2.20	0.17	0.10	0.28	0.20	100.27
	10	82.10	26.44	1.80	0.08	0.02	0.16	0.10	110.70
	12	201.40	104.13	12.69	2.92	1.74	1.90	0.17	324.95
	Total:	1346.06	605.42	65.31	13.55	11.38	6.30	1.82	2049.84

Southwest Geographic Area - Appendix J

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL21									
	01	159.82	93.70	7.45	2.14	1.23	0.46	0.00	264.80
	02	11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
	03	44.60	21.49	4.56	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.88	4.42	0.72	0.46	0.22	0.00	488.91
	05	70.30	44.95	8.24	1.35	0.34	2.13	0.33	127.64
	06	131.94	96.65	16.23	4.81	11.79	0.95	1.05	263.42
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.40	2.63	0.65	0.38	0.54	0.20	100.25
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	93.02	17.77	7.75	2.26	2.56	0.17	324.93
	Total:	1345.64	591.15	66.60	19.42	17.89	7.21	1.85	2049.76
AL22									
	01	159.82	93.58	7.45	2.26	1.23	0.46	0.00	264.80
	02	11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
	03	44.60	21.31	4.74	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.98	4.41	0.63	0.46	0.22	0.00	488.91
	05	70.30	42.52	10.11	1.65	0.34	2.39	0.33	127.64
	06	131.94	96.65	14.91	4.81	11.86	1.89	1.36	263.42
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.84	2.74	0.49	0.16	0.38	0.20	100.26
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	102.42	14.39	2.92	1.74	1.90	0.17	324.94
	Total:	1345.64	598.36	64.05	14.76	17.22	7.59	2.16	2049.78
AL23									
	01	159.82	93.17	7.74	2.14	1.47	0.46	0.00	264.80
	02	11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
	03	44.60	21.31	4.74	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.94	4.34	0.69	0.46	0.27	0.00	488.91
	05	70.30	44.95	8.01	1.52	0.34	2.22	0.30	127.64
	06	131.94	96.65	15.38	4.81	11.86	1.42	1.36	263.42
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.41	2.73	0.50	0.49	0.47	0.20	100.25
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	186.52	95.65	26.70	10.59	2.75	2.56	0.17	324.94
	Total:	1330.76	593.29	74.79	22.25	18.80	7.75	2.13	2049.77
AL24									
	01	159.82	93.58	7.45	2.26	1.23	0.46	0.00	264.80
	02	11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
	03	44.60	21.31	4.74	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.88	4.45	0.66	0.46	0.27	0.00	488.93
	05	70.30	42.52	10.11	1.65	0.34	2.39	0.33	127.64
	06	131.94	96.65	14.91	4.81	11.86	1.89	1.36	263.42
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.69	2.80	0.50	0.16	0.45	0.20	100.25
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	99.72	16.38	3.09	1.61	2.56	0.17	324.93
	Total:	1345.64	595.56	65.99	14.97	17.09	8.37	2.16	2049.78

Southwest Geographic Area - Appendix J

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL25									
01		159.82	92.64	7.45	2.14	1.47	1.28	0.00	264.80
02		11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
03		44.60	21.33	4.72	0.55	0.00	0.00	0.00	71.20
04		377.21	105.88	4.38	0.72	0.46	0.27	0.00	488.92
05		70.30	44.95	8.24	1.35	0.34	2.13	0.33	127.64
06		131.94	95.71	15.84	4.81	11.86	1.89	1.36	263.41
07		154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
08		38.00	19.38	1.50	0.61	0.22	0.00	0.00	59.71
09		74.45	21.51	2.44	0.76	0.38	0.51	0.20	100.25
10		82.10	25.65	1.80	0.18	0.65	0.22	0.10	110.70
12		201.40	92.96	17.83	7.27	2.75	2.56	0.17	324.94
Total:		1345.64	589.89	65.92	19.05	18.13	8.99	2.16	2049.78
AL26									
01		159.82	92.64	7.45	2.14	1.47	1.28	0.00	264.80
02		11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
03		44.60	21.29	4.76	0.55	0.00	0.00	0.00	71.20
04		377.21	105.88	4.38	0.72	0.46	0.27	0.00	488.92
05		70.30	44.95	8.24	1.35	0.34	2.13	0.33	127.64
06		131.94	95.71	15.84	4.81	11.86	1.89	1.36	263.41
07		154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
08		38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
09		74.45	21.51	2.44	0.76	0.38	0.51	0.20	100.25
10		82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
12		201.40	92.96	17.83	7.27	2.75	2.56	0.17	324.94
Total:		1345.64	589.17	66.09	19.05	18.69	8.98	2.16	2049.78
AL27									
01		159.82	92.64	7.45	2.14	1.47	1.28	0.00	264.80
02		11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
03		44.60	21.50	4.55	0.55	0.00	0.00	0.00	71.20
04		377.21	105.88	4.49	0.66	0.46	0.22	0.00	488.92
05		70.30	44.95	8.24	1.35	0.34	2.13	0.33	127.64
06		131.94	95.71	16.15	4.81	11.86	1.89	1.05	263.41
07		154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
08		38.00	19.38	1.50	0.61	0.22	0.00	0.00	59.71
09		74.45	21.57	2.84	0.50	0.18	0.50	0.20	100.24
10		82.10	25.65	1.80	0.18	0.65	0.22	0.10	110.70
12		201.40	93.02	17.77	7.75	2.26	2.56	0.17	324.93
Total:		1345.64	590.18	66.51	19.21	17.44	8.93	1.85	2049.76
AL28									
01		159.82	92.64	7.45	2.14	1.47	1.28	0.00	264.80
02		11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
03		44.60	21.33	4.72	0.55	0.00	0.00	0.00	71.20
04		377.21	106.02	4.38	0.63	0.46	0.22	0.00	488.92
05		70.30	44.95	8.24	1.35	0.34	2.13	0.33	127.64
06		131.94	95.71	15.84	4.81	11.86	1.89	1.36	263.41
07		154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
08		38.00	19.38	1.50	0.61	0.22	0.00	0.00	59.71
09		74.45	21.98	2.62	0.49	0.16	0.38	0.20	100.28
10		82.10	25.65	1.80	0.18	0.65	0.22	0.10	110.70
12		201.40	96.13	17.83	4.59	2.26	2.56	0.17	324.94
Total:		1345.64	593.67	66.10	16.01	17.42	8.81	2.16	2049.81



Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL29									
	01	159.82	93.70	7.45	2.14	1.23	0.46	0.00	264.80
	02	11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
	03	44.60	21.49	4.56	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.02	4.47	0.59	0.42	0.22	0.00	488.93
	05	70.30	44.95	8.24	1.52	0.34	1.99	0.30	127.64
	06	131.94	96.65	16.23	4.81	11.79	0.95	1.05	263.42
	07	154.79	38.28	1.26	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.76	2.81	0.49	0.16	0.38	0.20	100.25
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	97.69	18.48	2.92	2.39	1.90	0.17	324.95
	Total:	1345.64	596.32	67.54	14.47	17.76	6.25	1.82	2049.80
AL30									
	01	159.82	93.70	7.45	2.14	1.23	0.46	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.54	4.51	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.02	4.47	0.59	0.42	0.22	0.00	488.93
	05	70.30	44.95	8.24	1.52	0.34	1.99	0.30	127.64
	06	131.94	96.65	16.79	4.81	11.23	0.95	1.05	263.42
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.98	2.66	0.49	0.13	0.38	0.20	100.29
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	97.69	18.48	2.92	2.39	1.90	0.17	324.95
	Total:	1345.64	596.76	67.75	14.47	17.17	6.24	1.82	2049.85
AL31									
	01	159.82	93.70	7.45	2.14	1.23	0.46	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.54	4.51	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.88	4.49	0.66	0.46	0.22	0.00	488.92
	05	70.30	44.95	8.24	1.52	0.34	1.99	0.30	127.64
	06	131.94	96.65	16.79	4.81	11.23	0.95	1.05	263.42
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.57	2.84	0.50	0.18	0.50	0.20	100.24
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	93.02	17.77	7.75	2.26	2.56	0.17	324.93
	Total:	1345.64	591.54	67.24	19.38	17.13	7.02	1.82	2049.77
AL32									
	01	159.82	94.29	7.41	1.62	1.19	0.46	0.00	264.79
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.75	4.30	0.55	0.00	0.00	0.00	71.20
	04	377.21	106.05	4.28	0.66	0.46	0.27	0.00	488.93
	05	70.30	44.95	8.24	1.52	0.34	1.99	0.30	127.64
	06	131.94	95.42	22.31	4.66	7.09	0.95	1.05	263.42
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	22.13	2.43	0.49	0.12	0.45	0.20	100.27
	10	82.10	25.64	1.80	0.18	0.66	0.22	0.10	110.70
	12	201.40	100.96	12.69	6.09	1.61	2.02	0.17	324.94
	Total:	1345.64	600.02	66.81	17.04	12.00	6.48	1.82	2049.81

Southwest Geographic Area - Appendix J

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL33									
	01	159.82	93.70	7.45	2.14	1.23	0.46	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.54	4.51	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.88	4.49	0.66	0.46	0.22	0.00	488.92
	05	70.30	44.95	8.24	1.52	0.34	1.99	0.30	127.64
	06	131.94	96.65	16.79	4.81	11.23	0.95	1.05	263.42
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.87	21.78	2.41	0.49	0.12	0.39	0.20	100.26
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	97.87	17.77	2.92	2.26	2.56	0.17	324.95
	Total:	1346.06	596.60	66.81	14.54	17.07	6.91	1.82	2049.81
AL34									
	01	159.82	93.86	7.45	1.98	1.23	0.46	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.54	4.51	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.91	4.53	0.59	0.46	0.22	0.00	488.92
	05	70.30	44.97	8.01	1.52	0.34	2.21	0.30	127.65
	06	131.94	96.65	16.79	4.81	11.23	0.95	1.05	263.42
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.88	2.64	0.49	0.14	0.46	0.20	100.26
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	97.69	17.94	2.92	2.26	2.56	0.17	324.94
	Total:	1345.64	596.73	67.02	14.31	17.09	7.20	1.82	2049.81
AL35									
	01	159.82	93.70	7.45	2.14	1.23	0.46	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.54	4.51	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.88	4.49	0.66	0.46	0.22	0.00	488.92
	05	70.30	45.04	8.01	1.52	0.34	2.14	0.30	127.65
	06	131.94	95.98	18.17	4.22	11.23	0.83	1.05	263.42
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.57	2.84	0.50	0.18	0.50	0.20	100.24
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	93.02	17.77	7.75	2.26	2.56	0.17	324.93
	Total:	1345.64	590.96	68.39	18.79	17.13	7.05	1.82	2049.78
AL36									
	01	159.82	93.80	7.45	2.04	1.23	0.46	0.00	264.80
	02	11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
	03	44.60	21.58	4.47	0.55	0.00	0.00	0.00	71.20
	04	377.21	105.98	4.51	0.59	0.42	0.22	0.00	488.93
	05	70.30	44.95	8.24	1.52	0.34	1.99	0.30	127.64
	06	131.94	96.44	16.99	4.81	11.23	0.95	1.05	263.41
	07	154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
	08	38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
	09	74.45	21.57	2.84	0.50	0.18	0.50	0.20	100.24
	10	82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
	12	201.40	93.02	17.77	7.75	2.26	2.56	0.17	324.93
	Total:	1345.64	591.57	67.42	19.21	17.09	7.02	1.82	2049.77

Southwest Geographic Area - Appendix J

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL37									
01		159.82	93.70	7.45	2.14	1.23	0.46	0.00	264.80
02		11.03	31.45	0.61	0.59	0.00	0.02	0.00	43.70
03		44.60	21.54	4.51	0.55	0.00	0.00	0.00	71.20
04		377.21	105.88	4.49	0.66	0.46	0.22	0.00	488.92
05		70.30	44.95	8.24	1.52	0.34	1.99	0.30	127.64
06		131.94	96.16	17.43	4.66	11.23	0.95	1.05	263.42
07		154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
08		38.00	19.29	1.57	0.61	0.23	0.00	0.00	59.70
09		74.45	21.57	2.84	0.50	0.18	0.50	0.20	100.24
10		82.10	25.64	1.80	0.18	0.66	0.22	0.10	110.70
12		201.40	93.02	17.77	7.75	2.26	2.56	0.17	324.93
Total:		1345.64	591.63	67.82	19.23	16.59	7.03	1.82	2049.76
AL38									
01		159.82	94.02	7.41	1.86	1.23	0.46	0.00	264.80
02		11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
03		44.60	21.56	4.49	0.55	0.00	0.00	0.00	71.20
04		377.21	105.88	4.49	0.66	0.46	0.22	0.00	488.92
05		70.30	45.01	8.24	1.52	0.34	1.94	0.30	127.65
06		131.94	98.48	15.24	4.54	11.23	0.95	1.05	263.43
07		154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
08		38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
09		74.45	21.57	2.84	0.50	0.18	0.50	0.20	100.24
10		82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
12		201.40	93.02	17.77	7.75	2.26	2.56	0.17	324.93
Total:		1345.64	593.77	65.63	18.83	17.13	6.97	1.82	2049.79
AL39									
01		159.82	93.70	7.45	2.14	1.23	0.46	0.00	264.80
02		11.03	31.47	0.61	0.59	0.00	0.01	0.00	43.71
03		44.60	21.54	4.51	0.55	0.00	0.00	0.00	71.20
04		377.21	105.88	4.49	0.66	0.46	0.22	0.00	488.92
05		70.30	44.95	8.24	1.52	0.34	1.99	0.30	127.64
06		131.94	96.65	16.79	4.81	11.23	0.95	1.05	263.42
07		154.79	38.43	1.11	0.07	0.00	0.11	0.00	194.51
08		38.00	18.93	1.63	0.61	0.53	0.00	0.00	59.70
09		74.45	21.74	2.78	0.50	0.14	0.45	0.20	100.26
10		82.10	25.40	1.80	0.18	0.90	0.22	0.10	110.70
12		201.40	93.02	17.77	7.75	2.26	2.56	0.17	324.93
Total:		1345.64	591.71	67.18	19.38	17.09	6.97	1.82	2049.79

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL01			-----Summary-----							
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		30.43	126.61	24.18	7.04	14.21	5.21	1.64	209.32
	A5		7.02	84.03	21.12	7.14	14.23	5.67	1.82	141.03
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		37.45	210.64	45.30	14.18	28.44	10.88	3.46	350.35
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		37.45	210.64	45.30	14.18	28.44	10.88	3.46	350.35
AL02			-----Summary-----							
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL03			-----Summary-----							
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		18.54	101.58	32.61	8.51	12.41	5.42	1.13	180.20
	A5		1.13	28.31	33.16	8.34	12.41	5.42	1.13	89.90
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		19.67	129.89	65.77	16.85	24.82	10.84	2.26	270.10
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		19.67	129.89	65.77	16.85	24.82	10.84	2.26	270.10
AL04			-----Summary-----							
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		19.34	154.31	27.22	6.98	14.89	6.78	1.91	231.43
	A5		0.70	36.92	25.18	6.57	14.89	6.90	1.91	93.07
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		20.04	191.23	52.40	13.55	29.78	13.68	3.82	324.50
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		20.04	191.23	52.40	13.55	29.78	13.68	3.82	324.50
AL05			-----Summary-----							
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		2.99	101.43	43.81	8.28	6.62	5.42	1.13	169.68
	A5		1.13	24.45	42.05	7.88	6.62	5.42	1.13	88.68
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		4.12	125.88	85.86	16.16	13.24	10.84	2.26	258.36
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		4.12	125.88	85.86	16.16	13.24	10.84	2.26	258.36

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL06										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	98.72	43.85	9.73	8.42	6.47	1.35	168.54
		A5	3.69	27.79	43.00	9.62	8.58	6.66	1.35	100.69
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	3.69	126.51	86.85	19.35	17.00	13.13	2.70	269.23
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	3.69	126.51	86.85	19.35	17.00	13.13	2.70	269.23
-----Summary-----										
AL07										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	2.99	97.27	37.22	6.47	6.67	4.77	1.13	156.52
		A5	17.91	96.23	35.67	6.07	6.67	5.18	1.17	168.90
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	20.90	193.50	72.89	12.54	13.34	9.95	2.30	325.42
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	20.90	193.50	72.89	12.54	13.34	9.95	2.30	325.42
-----Summary-----										
AL08										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	18.54	90.87	34.02	9.52	14.50	7.79	2.13	177.37
		A5	1.13	30.80	34.59	9.35	14.50	7.79	2.13	100.29
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	19.67	121.67	68.61	18.87	29.00	15.58	4.26	277.66
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	19.67	121.67	68.61	18.87	29.00	15.58	4.26	277.66
-----Summary-----										
AL09										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	30.43	148.23	25.01	6.81	14.87	5.36	1.67	232.38
		A5	3.69	45.01	24.95	6.72	14.89	5.38	1.67	102.31
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	34.12	193.24	49.96	13.53	29.76	10.74	3.34	334.69
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	34.12	193.24	49.96	13.53	29.76	10.74	3.34	334.69
-----Summary-----										
AL10										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	18.54	113.31	29.37	7.17	13.84	4.73	1.52	188.48
		A5	1.13	50.81	25.52	7.45	13.84	5.57	1.82	106.14
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	19.67	164.12	54.89	14.62	27.68	10.30	3.34	294.62
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	19.67	164.12	54.89	14.62	27.68	10.30	3.34	294.62

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALP NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL11										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	19.77	131.11	26.41	6.76	13.30	5.66	1.67	204.68
		A5	1.13	74.51	26.81	6.59	13.41	5.78	1.67	129.90
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	20.90	205.62	53.22	13.35	26.71	11.44	3.34	334.58
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	20.90	205.62	53.22	13.35	26.71	11.44	3.34	334.58
-----Summary-----										
AL12										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	18.54	101.40	29.17	7.21	12.40	4.98	1.13	174.83
		A5	16.01	94.41	30.20	7.44	12.40	5.52	1.35	167.33
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	34.55	195.81	59.37	14.65	24.80	10.50	2.48	342.16
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	34.55	195.81	59.37	14.65	24.80	10.50	2.48	342.16
-----Summary-----										
AL13										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	16.78	152.01	26.12	6.89	14.18	5.38	1.20	222.56
		A5	0.70	52.65	24.12	6.56	14.18	5.49	1.20	104.90
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	17.48	204.66	50.24	13.45	28.36	10.87	2.40	327.46
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	17.48	204.66	50.24	13.45	28.36	10.87	2.40	327.46
-----Summary-----										
AL14										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	18.54	91.37	30.08	6.75	9.49	4.76	1.13	162.12
		A5	16.01	128.78	32.67	6.98	9.49	5.30	1.35	200.58
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	34.55	220.15	62.75	13.73	18.98	10.06	2.48	362.70
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	34.55	220.15	62.75	13.73	18.98	10.06	2.48	362.70
-----Summary-----										
AL15										
		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	2.99	91.28	34.22	6.53	7.87	4.69	1.13	148.71
		A5	29.64	116.30	33.20	6.46	7.87	5.21	1.17	199.85
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	32.63	207.58	67.42	12.99	15.74	9.90	2.30	348.56
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	32.63	207.58	67.42	12.99	15.74	9.90	2.30	348.56

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL16										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		18.54	106.43	36.94	6.85	7.96	4.85	1.05	182.62
	A5		1.13	64.13	32.44	7.21	7.96	5.80	1.35	120.02
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		19.67	170.56	69.38	14.06	15.92	10.65	2.40	302.64
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		19.67	170.56	69.38	14.06	15.92	10.65	2.40	302.64
-----Summary-----										
AL17										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		17.87	134.65	29.96	7.25	12.23	5.65	1.17	208.78
	A5		14.76	70.57	31.62	7.79	12.34	6.10	1.35	144.53
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.63	205.22	61.58	15.04	24.57	11.75	2.52	353.31
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.63	205.22	61.58	15.04	24.57	11.75	2.52	353.31
-----Summary-----										
AL18										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		19.77	129.45	33.45	6.88	9.40	5.71	1.17	205.83
	A5		1.13	81.56	34.94	7.16	9.51	6.16	1.35	141.81
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		20.90	211.01	68.39	14.04	18.91	11.87	2.52	347.64
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		20.90	211.01	68.39	14.04	18.91	11.87	2.52	347.64
-----Summary-----										
AL19										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		18.54	86.69	35.65	7.01	10.06	5.48	1.13	164.56
	A5		16.01	113.69	38.34	7.05	10.06	6.13	1.35	192.63
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		34.55	200.38	73.99	14.06	20.12	11.61	2.48	357.19
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		34.55	200.38	73.99	14.06	20.12	11.61	2.48	357.19
-----Summary-----										
AL20										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		33.42	120.87	32.39	6.65	9.43	5.04	1.56	209.36
	A5		1.13	82.81	29.31	7.20	9.43	5.57	1.82	137.27
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		34.55	203.68	61.70	13.85	18.86	10.61	3.38	346.63
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		34.55	203.68	61.70	13.85	18.86	10.61	3.38	346.63

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
-----Summary-----										
AL21		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	157.23	34.75	13.06	15.94	6.49	1.85	261.52
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	157.23	34.75	13.06	15.94	6.49	1.85	261.52
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	157.23	34.75	13.06	15.94	6.49	1.85	261.52
-----Summary-----										
AL22		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	157.98	29.02	7.71	15.27	6.52	1.98	250.68
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	157.98	29.02	7.71	15.27	6.52	1.98	250.68
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	157.98	29.02	7.71	15.27	6.52	1.98	250.68
-----Summary-----										
AL23		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	17.32	113.33	37.09	12.79	16.85	7.13	2.13	206.64
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		17.32	113.33	37.09	12.79	16.85	7.13	2.13	206.64
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		17.32	113.33	37.09	12.79	16.85	7.13	2.13	206.64
-----Summary-----										
AL24		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	155.33	31.21	7.99	15.14	7.41	1.98	251.26
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	155.33	31.21	7.99	15.14	7.41	1.98	251.26
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	155.33	31.21	7.99	15.14	7.41	1.98	251.26
-----Summary-----										
AL25		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	156.11	34.32	12.76	16.18	8.38	2.16	262.11
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	156.11	34.32	12.76	16.18	8.38	2.16	262.11
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	156.11	34.32	12.76	16.18	8.38	2.16	262.11



Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
-----Summary-----										
AL26		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	155.39	34.50	12.76	16.74	8.37	2.16	262.12
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	155.39	34.50	12.76	16.74	8.37	2.16	262.12
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	155.39	34.50	12.76	16.74	8.37	2.16	262.12
-----Summary-----										
AL27		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	156.39	34.92	12.92	15.49	8.32	1.85	262.09
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	156.39	34.92	12.92	15.49	8.32	1.85	262.09
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	156.39	34.92	12.92	15.49	8.32	1.85	262.09
-----Summary-----										
AL28		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	159.86	34.50	9.72	15.47	8.20	2.16	262.11
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	159.86	34.50	9.72	15.47	8.20	2.16	262.11
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	159.86	34.50	9.72	15.47	8.20	2.16	262.11
-----Summary-----										
AL29		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	162.38	35.70	8.11	15.81	5.53	1.82	261.55
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	162.38	35.70	8.11	15.81	5.53	1.82	261.55
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	162.38	35.70	8.11	15.81	5.53	1.82	261.55
-----Summary-----										
AL30		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	162.95	36.16	8.18	15.22	5.63	1.82	262.16
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	162.95	36.16	8.18	15.22	5.63	1.82	262.16
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	162.95	36.16	8.18	15.22	5.63	1.82	262.16

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL31		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A5	32.20	157.75	35.66	13.09	15.18	6.41	1.82	262.11
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	32.20	157.75	35.66	13.09	15.18	6.41	1.82	262.11
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	32.20	157.75	35.66	13.09	15.18	6.41	1.82	262.11
-----Summary-----										
AL32		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	54.27	31.83	6.08	9.56	4.95	1.52	108.21
		A5	32.20	138.17	35.20	10.77	10.05	5.87	1.82	234.08
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	32.20	192.44	67.03	16.85	19.61	10.82	3.34	342.29
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	32.20	192.44	67.03	16.85	19.61	10.82	3.34	342.29
-----Summary-----										
AL33		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	15.55	34.06	21.01	4.85	3.67	4.14	0.37	83.65
		A5	18.57	142.49	35.22	7.99	15.12	6.30	1.82	227.51
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	34.12	176.55	56.23	12.84	18.79	10.44	2.19	311.16
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	34.12	176.55	56.23	12.84	18.79	10.44	2.19	311.16
-----Summary-----										
AL34		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	14.88	72.51	23.72	4.30	3.78	4.55	0.41	124.15
		A5	17.32	99.87	35.44	8.03	15.14	6.58	1.82	184.20
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	32.20	172.38	59.16	12.33	18.92	11.13	2.23	308.35
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	32.20	172.38	59.16	12.33	18.92	11.13	2.23	308.35
-----Summary-----										
AL35		A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		A3	0.00	10.63	10.42	1.68	10.24	2.46	1.35	36.78
		A5	32.20	148.12	35.71	12.12	15.18	6.11	1.64	251.08
		A7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sum:	32.20	158.75	46.13	13.80	25.42	8.57	2.99	287.86
		A9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total:	32.20	158.75	46.13	13.80	25.42	8.57	2.99	287.86

Southwest Geographic Area - Appendix J

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
-----Summary-----										
AL36										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		2.99	27.01	11.52	3.20	11.76	2.22	1.15	59.85
	A5		29.21	150.73	35.84	12.92	15.14	6.41	1.82	252.07
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	177.74	47.36	16.12	26.90	8.63	2.97	311.92
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	177.74	47.36	16.12	26.90	8.63	2.97	311.92
-----Summary-----										
AL37										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	20.25	10.24	2.10	10.93	1.95	1.15	46.62
	A5		32.20	148.01	36.23	12.95	14.64	6.42	1.82	252.27
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	168.26	46.47	15.05	25.57	8.37	2.97	298.89
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	168.26	46.47	15.05	25.57	8.37	2.97	298.89
-----Summary-----										
AL38										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	39.59	8.55	2.55	11.75	1.47	1.23	65.14
	A5		32.20	142.26	33.92	12.56	15.18	6.36	1.82	244.30
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	181.85	42.47	15.11	26.93	7.83	3.05	309.44
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	181.85	42.47	15.11	26.93	7.83	3.05	309.44
-----Summary-----										
AL39										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	1.83	2.09	0.85	0.65	1.55	0.20	7.17
	A5		32.20	157.63	35.48	13.02	15.14	6.25	1.82	261.54
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		32.20	159.46	37.57	13.87	15.79	7.80	2.02	268.71
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		32.20	159.46	37.57	13.87	15.79	7.80	2.02	268.71

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Geographic Area Airtanker Program Cost Data and Detailed Reports for  
Initial Attack Analysis

APPENDIX K.  
Southern Geographic Area

United States  
Department of  
Agriculture

Forest  
Service

Southern  
Region

1720 Peachtree Road NW  
Atlanta, Georgia 30367

File Code: 5170  
Route To:

Date: February 2, 1995

Subject: National Airtanker Study

To: Chief

We have completed Part One and Two of Phase I of the National Air Tanker Study. Following are the recommendations for our program and the results of the Initial Attack Analysis follow.

Recommendations:

The results of the initial attack (IAA) portion of this analysis indicates airtankers play a small role in fire suppression in the Southern Region and it would be most efficient to have no airtankers. Here are some factors contributing to this finding:

1. The IAA is strictly Forest Service fires on Forest Service land. It does not take into account cooperators' fires or their use of airtankers in mutual aid and offset protection areas.
2. Fires and/or acres burned in the wildland urban interface areas are increasing and continue to demand rapid initial attack which cannot be supplied without aerial delivery.
3. Reductions in Fire Suppression forces within the region from reinvention and downsizing has placed the fire response organization in a critical position. To reduce initial attack capability further will be costly in terms of firefighter safety and loss of property.

Airtankers also play a role in the support of large fires, both for Forest Service and our cooperators. This is not addressed in the IAA.

We recommend that our airtanker program remain as it currently stands with four airtankers. We will be updating our NFMAS analysis for the entire region in June 1995. At that time we will address the airtanker issue and analyze a mix of airtankers and helicopters for the geographic area.

Part One - Analysis of Scenarios:

These reports are enclosed following Table 1. They describe the components of each alternative and are in the ATSUM102 program report format:

1. Summary by Alternative and Forest;
2. Expected Annual Number of Fires by Size Class;
3. Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class.

Chief

Page 2

Scenario 1 - Current Program. See Report No. 1, AL01 from the ATSUM102 program. Also included, are graphs which depict comparisons of alternatives and acres burned for each alternative.

Scenario 2 - Current Program with no Airtankers. See Report No. 1, AL02 from the ATSUM102 program. A graph is included comparing the current program of four airtankers to having zero airtankers.

Scenario 3 - Current Program with Regional Airtanker bases issues resolved. This was accomplished by locating two airtankers at Knoxville and closing Tri-Cities base. It was the result of an airtanker analysis done in December, 1993.

Scenario 4 - Current Program-Priority for Turbines. See Report No. 1, AL01, AL03, AL04, and AL09. A graph T3000 Base Comparison is included, which displays the differences between options.

Scenario 5 - Reduced Program, one R2200 airtanker at Knoxville, one R2200 at Asheville and one T3000 at Fort Smith. See Report No. 1, AL05. A graph one R2200 at Knoxville is included.

Scenario 6 - Add one Airtanker. This alternative was not run at this time based on the outcome of the 1993 study.

Scenario 7 - Analyze 1500 Gallon Airtankers at each base. See Report No. 1, AL06, AL07 and AL08. A graph depicting the comparison is included.

Part Two - Information Requested on Airtanker Bases

A separate form for each tanker base is enclosed with this report. There are forms for both airtanker bases and reload bases in the Southern Region.

Should you have any questions regarding this airtanker study, please contact Ginger Brudevold at (404) 347-4243 or via DG R08C.

RONALD H. COATS  
Acting Director, Fire and Aviation

Enclosures

cc: Don Carlton

SC	ALT	FREQ	ACRES	ESC	FFF	UMC	TOT	FFF	NVC	AT	PG	CT	TOTAL	\$\$	DIFF	AC	DIFF	ALT-Y	DESCRIPTION	TOTAL		
																				D-F	FIRES	AT
1	1	817	9419	1905439	3423797	5329236	-1537380	689059	7555675	-----	-----	1995 Contract	14,44	0,05	152,22							
2	2	817	10085	2113515	2694468	4807981	-1646990	0	6454971	1100704	-666	1-2	No airtankers	14,85	0,05	0,00						
4	3	817	9269	1860443	3369915	5230358	-1441273	700055	7371686	118395	168	9-3	T-3000 @ Ashville	14,42	0,05	168,80						
4	4	817	9253	1862278	3462951	5325229	-1526999	699556	7551784	-61703	184	9-4	T-3000 @ Knoxville	14,43	0,05	228,64						
5	5	817	9645	1965225	3189837	5155062	-1551751	561891	7268704	286971	-226	1-5	Cut 1 R2200 @ Knox.	14,44	0,05	147,70						
7	6	817	9419	1904374	3516281	5420655	-1538281	723669	7682605	-126930	0	1-6	T-1500 @ Ashville	14,44	0,05	206,70						
7	7	817	9430	1885333	3513502	5398835	-1541702	723275	7663812	-108137	-11	1-7	T-1500 @ Knoxville	14,44	0,05	261,56						
7	8	817	9456	1914677	3342845	5257522	-1546785	691654	7495961	-5880	-19	14-8	T-1500 @ Ft. Smith	14,44	0,05	153,39						
4	9	817	9437	1907602	3371511	5279113	-1543348	667620	7490081	65594	-18	1-9	All Recips	14,44	0,05	152,66						
7	6	817	9419	1904374	3516281	5420655	-1538281	723669	7682605	-310919	-150	3-6	T-1500 @ Ashville	14,44	0,05	206,70						
7	7	817	9430	1885333	3513502	5398835	-1541702	723275	7663812	-112028	-177	4-7	T-1500 @ Knoxville	14,44	0,05	261,56						
7	8	817	9456	1914677	3342845	5257522	-1546785	691654	7495961	59714	-37	1-8	T-1500 @ Ft. Smith	14,44	0,05	153,39						

S Forest Service



### Alternatives

<u>ALT. NO.</u>	<u>ALTERNATIVE</u>	<u>AV</u>	<u>KX</u>	<u>ST</u>	<u>FS</u>	<u>LO</u>
01	T-3000/FS	R2200	R2200 R2200	RELOAD	T3000	RELOAD
02	NO AIR TANKERS	0	0	0	0	0
03	T-3000/AV	T3000	R2200 R2200	RELOAD	R2200	RELOAD
04	T-3000/KX	R2200	T3000 R2200	RELOAD	R2200	RELOAD
05	MINUS 1 A/T	R2200	R2200	RELOAD	T3000	RELOAD
06	1500/AV	T1500	R2200 R2200	RELOAD	T3000	RELOAD
07	1500/KX	R2200	T1500 R2200	RELOAD	T3000	RELOAD
08	1500/FS	R2200	R2200 R2200	RELOAD	T1500	RELOAD
09	ALL R-2200	R2200	R2200 R2200	RELOAD	R2200	RELOAD

AV - Asheville  
ST - Staunton

KX - Knoxville  
FS - Ft. Smith

LO - London

Southern Geographic Area - Appendix K

**AIRTANKER PROGRAM COSTS**

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
01 Ashville	\$0	\$47,000	65	R2200	\$129,155	\$176,155
Knoxville #1	\$0	\$47,000	64	R2200	\$127,168	\$174,168
Knoxville #2	\$0	\$0	70	R2200	\$139,090	\$139,090
Ft. Smith	\$0	\$47,000	61	T3000	\$151,646	\$198,646
London (Reload)	\$0	\$5,000			\$0	\$5,000
Staunton (Reload)	\$0	\$5,000			\$0	\$5,000

Forest Service Total = \$698,059

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
02 Ashville	\$0	\$0			\$0	\$0
Knoxville #1	\$0	\$0			\$0	\$0
Knoxville #2	\$0	\$0			\$0	\$0
Ft. Smith	\$0	\$0			\$0	\$0
London (Reload)	\$0	\$0			\$0	\$0
Staunton (Reload)	\$0	\$0			\$0	\$0

Forest Service Total = \$0

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
03 Ashville	\$0	\$47,000	65	T3000	\$161,590	\$208,590
Knoxville #1	\$0	\$47,000	64	R2200	\$127,168	\$174,168
Knoxville #2	\$0	\$0	70	R2200	\$139,090	\$139,090
Ft. Smith	\$0	\$47,000	61	R2200	\$121,207	\$168,207
London (Reload)	\$0	\$5,000			\$0	\$5,000
Staunton (Reload)	\$0	\$5,000			\$0	\$5,000

Forest Service Total = \$700,055

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
04 Ashville	\$0	\$47,000	65	R2200	\$129,155	\$176,155
Knoxville #1	\$0	\$47,000	64	T3000	\$159,104	\$206,104
Knoxville #2	\$0	\$0	70	R2200	\$139,090	\$139,090
Ft. Smith	\$0	\$47,000	61	R2200	\$121,207	\$168,207
London (Reload)	\$0	\$5,000			\$0	\$5,000
Staunton (Reload)	\$0	\$5,000			\$0	\$5,000

Forest Service Total = \$699,556

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
05 Ashville	\$0	\$47,000	65	R2200	\$129,155	\$176,155
Knoxville #1	\$0	\$47,935	65	R2200	\$129,155	\$177,090
Knoxville #2	\$0	\$0			\$0	\$0
Ft. Smith	\$0	\$47,000	61	T3000	\$151,646	\$198,646
London (Reload)	\$0	\$5,000			\$0	\$5,000
Staunton (Reload)	\$0	\$5,000			\$0	\$5,000

Forest Service Total = \$561,891

**AIRTANKER PROGRAM COSTS**

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
06 Ashville	\$0	\$47,000	65	T1500	\$154,765	\$201,765
Knoxville #1	\$0	\$47,000	64	R2200	\$127,168	\$174,168
Knoxville #2	\$0	\$0	70	R2200	\$139,090	\$139,090
Ft. Smith	\$0	\$47,000	61	T3000	\$151,646	\$198,646
London (Reload)	\$0	\$5,000			\$0	\$5,000
Staunton (Reload)	\$0	\$5,000			\$0	\$5,000

Forest Service Total = \$723,669

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
07 Ashville	\$0	\$47,000	65	R2200	\$129,155	\$176,155
Knoxville #1	\$0	\$47,000	64	T1500	\$152,384	\$199,384
Knoxville #2	\$0	\$0	70	R2200	\$139,090	\$139,090
Ft. Smith	\$0	\$47,000	61	T3000	\$151,646	\$198,646
London (Reload)	\$0	\$5,000			\$0	\$5,000
Staunton (Reload)	\$0	\$5,000			\$0	\$5,000

Forest Service Total = \$723,275

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
08 Ashville	\$0	\$47,000	65	R2200	\$129,155	\$176,155
Knoxville #1	\$0	\$47,000	64	R2200	\$127,168	\$174,168
Knoxville #2	\$0	\$0	70	R2200	\$139,090	\$139,090
Ft. Smith	\$0	\$47,000	61	T1500	\$145,241	\$192,241
London (Reload)	\$0	\$5,000			\$0	\$5,000
Staunton (Reload)	\$0	\$5,000			\$0	\$5,000

Forest Service Total = \$691,654

Forest Service	Annualized One-Time Costs	Annual O & M Costs	Days In Season	Airtanker Category	Annual Airtanker Availability	ATB Total
Alt. Airtanker Base						
09 Ashville	\$0	\$47,000	65	R2200	\$129,155	\$176,155
Knoxville #1	\$0	\$47,000	64	R2200	\$127,168	\$174,168
Knoxville #2	\$0	\$0	70	R2200	\$139,090	\$139,090
Ft. Smith	\$0	\$47,000	61	R2200	\$121,207	\$168,207
London (Reload)	\$0	\$5,000			\$0	\$5,000
Staunton (Reload)	\$0	\$5,000			\$0	\$5,000

Forest Service Total = \$667,620

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

Annual Expected Values

ALT	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL01	817	9419	1905439	3423797	5329236	-1537380	689059	7555675	
AL02	817	10085	2113515	2694466	4807981	-1646990	0	6454971	
AL03	817	9269	1860443	3369915	5230358	-1441273	691055	7362686	
AL04	817	9253	1862278	3462951	5325229	-1526999	702550	7554778	
AL05	817	9645	1965225	3189837	5155062	-1551751	561891	7268704	
AL06	817	9419	1904374	3516281	5420655	-1538281	714669	7673605	
AL07	817	9430	1885333	3513502	5398835	-1541702	725639	7666176	
AL08	817	9456	1914677	3342845	5257522	-1546785	682654	7486961	
AL09	817	9437	1907602	3371511	5279113	-1543348	648620	7471081	

National Airtanker Study  
 Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL01		233.79	442.02	126.67	11.76	1.80	0.88	0.05	816.97
AL02		232.91	431.82	137.54	11.94	1.83	0.88	0.05	816.97
AL03		232.91	450.25	119.34	11.76	1.79	0.87	0.05	816.97
AL04		232.91	444.08	125.50	11.76	1.80	0.87	0.05	816.97
AL05		233.79	437.23	131.46	11.76	1.80	0.88	0.05	816.97
AL06		233.79	442.02	126.67	11.76	1.80	0.88	0.05	816.97
AL07		233.79	442.02	126.67	11.76	1.80	0.88	0.05	816.97
AL08		233.79	441.32	127.37	11.76	1.80	0.88	0.05	816.97
AL09		232.91	442.54	127.03	11.76	1.80	0.88	0.05	816.97

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0-.25	.26-9.99	10-99.99	100-299.9	300-999.9	1000-4999	5000+	Total
AL01			4.40	40.83	90.39	14.16	1.80	0.59	0.05	152.22
AL02			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL03			3.52	55.21	88.52	17.72	2.90	0.88	0.05	168.80
AL04			3.52	44.32	155.49	22.03	2.46	0.72	0.10	228.64
AL05			4.40	36.04	91.42	13.55	1.65	0.59	0.05	147.70
AL06			4.40	66.89	115.70	15.84	2.92	0.90	0.05	206.70
AL07			4.40	62.23	171.25	20.38	2.47	0.73	0.10	261.56
AL08			4.40	41.19	91.20	14.16	1.80	0.59	0.05	153.39
AL09			3.52	39.98	92.41	14.31	1.80	0.59	0.05	152.66

Key To National Forest Identification Numbers  
Used in the Initial Attack Analysis

02-Daniel Boone NF  
 03-Chattahoochee-Oconee NF  
 04-Cherokee NF  
 08-George Washington NF

09-Ouachita NF  
 10-Ozark-St. Francis NF  
 11-NF of North Carolina  
 14-Jefferson NF

National Airtanker Study  
Summary By Alternative and Forest  
(Without Breakdown Of NVC)  
(Per Acre And Unit Mission Separate)

Annual Expected Values									
ALT	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
AL01									
	02	144	3333	322598	1542939	1865537	-79456	-	1944993
	03	144	981	385069	512246	897315	-75360	-	972675
	04	143	1518	373536	197331	570867	-213686	-	784553
	08	44	841	170957	196511	367468	-90604	-	458072
	09	112	387	58515	303070	361585	-100192	-	461777
	10	71	495	150027	345547	495574	-215603	-	711177
	11	121	1031	241827	273000	514827	-622985	-	1137812
	14	34	833	202910	53153	256063	-139494	-	395557
	Total:	817	9419	1905439	3423797	5329236	-1537380	689059	7555675
AL02									
	02	144	3745	458468	1185528	1643996	-86877	-	1730873
	03	144	993	385940	474096	860036	-75885	-	935921
	04	143	1525	388352	178793	567145	-214726	-	781871
	08	44	841	174438	193030	367468	-90604	-	458072
	09	112	462	67731	281095	348826	-118860	-	467686
	10	71	525	159791	166300	326091	-225596	-	551687
	11	121	1160	267583	171627	439210	-694735	-	1133945
	14	34	834	211212	43997	255209	-139707	-	394916
	Total:	817	10085	2113515	2694466	4807981	-1646990	0	6454971
AL03									
	02	144	3333	318116	1547421	1865537	-79456	-	1944993
	03	144	977	382924	520107	903031	-75155	-	978186
	04	143	1516	369822	201865	571687	-213395	-	785082
	08	44	841	158287	209181	367468	-90604	-	458072
	09	112	401	60601	294502	355103	-103237	-	458340
	10	71	505	153726	288168	441894	-218833	-	660727
	11	121	863	214057	255518	469575	-521099	-	990674
	14	34	833	202910	53153	256063	-139494	-	395557
	Total:	817	9269	1860443	3369915	5230358	-1441273	691055	7362686
AL04									
	02	144	3171	283703	1652589	1936292	-76546	-	2012838
	03	144	977	382208	518967	901175	-75091	-	976266
	04	143	1514	370840	202626	573466	-213180	-	786646
	08	44	841	170957	196511	367468	-90604	-	458072
	09	112	401	60601	294502	355103	-103237	-	458340
	10	71	505	153726	288168	441894	-218833	-	660727
	11	121	1012	239933	253854	493787	-610159	-	1103946
	14	34	832	200310	55734	256044	-139349	-	395393
	Total:	817	9253	1862278	3462951	5325229	-1526999	702550	7554778
AL05									
	02	144	3531	377738	1353719	1731457	-83033	-	1814490
	03	144	989	379896	487043	866939	-75702	-	942641
	04	143	1518	379752	191115	570867	-213686	-	784553
	08	44	841	170957	196511	367468	-90604	-	458072
	09	112	387	58515	303070	361585	-100192	-	461777
	10	71	495	150027	345547	495574	-215603	-	711177
	11	121	1051	245430	259679	505109	-633437	-	1138546
	14	34	833	202910	53153	256063	-139494	-	395557
	Total:	817	9645	1965225	3189837	5155062	-1551751	561891	7268704

National Airtanker Study  
 Summary By Alternative and Forest  
 (Without Breakdown Of NVC)  
 (Per Acre And Unit Mission Separate)

----- Annual Expected Values -----									
ALT	UN NO	FREQ	ACRES	ACRE SUPP COST	UNIT MISSION COST	EMERGENCY SUPP COST	NET VAL CHANGE	AT PROG COST	UNIT'S ALT COSTS
-----									
AL06									
	02	144	3333	332119	1533418	1865537	-79456	-	1944993
	03	144	980	383675	521619	905294	-75306	-	980600
	04	143	1518	373148	197322	570470	-213783	-	784253
	08	44	841	161987	205481	367468	-90604	-	458072
	09	112	387	58515	303070	361585	-100192	-	461777
	10	71	487	148352	430431	578783	-212451	-	791234
	11	121	1040	243668	271787	515455	-626995	-	1142450
	14	34	833	202910	53153	256063	-139494	-	395557
	Total:	817	9419	1904374	3516281	5420655	-1538281	714669	7673605
AL07									
	02	144	3340	304981	1550102	1855083	-79597	-	1934680
	03	144	980	384265	513746	898011	-75265	-	973276
	04	143	1517	374429	197083	571512	-213652	-	785164
	08	44	841	170957	196511	367468	-90604	-	458072
	09	112	387	58515	303070	361585	-100192	-	461777
	10	71	487	148352	430431	578783	-212451	-	791234
	11	121	1045	245131	265514	510645	-630396	-	1141041
	14	34	833	198703	57045	255748	-139545	-	395293
	Total:	817	9430	1885333	3513502	5398835	-1541702	725639	7666176
AL08									
	02	144	3333	322598	1542939	1865537	-79456	-	1944993
	03	144	981	385069	512246	897315	-75360	-	972675
	04	143	1518	373536	197331	570867	-213686	-	784553
	08	44	841	170957	196511	367468	-90604	-	458072
	09	112	409	62306	300191	362497	-104641	-	467138
	10	71	510	155474	267474	422948	-220559	-	643507
	11	121	1031	241827	273000	514827	-622985	-	1137812
	14	34	833	202910	53153	256063	-139494	-	395557
	Total:	817	9456	1914677	3342845	5257522	-1546785	682654	7486961
AL09									
	02	144	3333	322598	1542939	1865537	-79456	-	1944993
	03	144	975	381447	525907	907354	-75053	-	982407
	04	143	1518	373536	197331	570867	-213686	-	784553
	08	44	841	170957	196511	367468	-90604	-	458072
	09	112	401	60601	294502	355103	-103237	-	458340
	10	71	505	153726	288168	441894	-218833	-	660727
	11	121	1031	241827	273000	514827	-622985	-	1137812
	14	34	833	202910	53153	256063	-139494	-	395557
	Total:	817	9437	1907602	3371511	5279113	-1543348	648620	7471081

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----									
AL01									
	02	0.00	69.56	67.17	7.36	0.00	0.00	0.00	144.09
	03	39.54	94.04	8.33	0.65	0.19	0.00	0.05	142.80
	04	65.19	62.24	13.76	0.61	0.59	0.40	0.00	142.79
	08	18.58	20.91	4.39	0.50	0.32	0.10	0.00	44.80
	09	51.58	61.27	2.41	0.68	0.16	0.00	0.00	116.10
	10	25.52	33.11	12.15	0.52	0.00	0.00	0.00	71.30
	11	22.60	82.01	15.11	0.51	0.36	0.10	0.00	120.69
	14	10.78	18.88	3.35	0.93	0.18	0.28	0.00	34.40
	Total:	233.79	442.02	126.67	11.76	1.80	0.88	0.05	816.97
AL02									
	02	0.00	69.56	67.17	7.36	0.00	0.00	0.00	144.09
	03	39.54	90.28	12.09	0.65	0.19	0.00	0.05	142.80
	04	65.19	62.24	13.76	0.61	0.59	0.40	0.00	142.79
	08	18.58	20.91	4.39	0.50	0.32	0.10	0.00	44.80
	09	51.58	57.79	5.68	0.86	0.19	0.00	0.00	116.10
	10	24.64	33.99	12.15	0.52	0.00	0.00	0.00	71.30
	11	22.60	78.17	18.95	0.51	0.36	0.10	0.00	120.69
	14	10.78	18.88	3.35	0.93	0.18	0.28	0.00	34.40
	Total:	232.91	431.82	137.54	11.94	1.83	0.88	0.05	816.97
AL03									
	02	0.00	69.56	67.17	7.36	0.00	0.00	0.00	144.09
	03	39.54	94.04	8.33	0.65	0.19	0.00	0.05	142.80
	04	65.19	62.24	13.76	0.61	0.59	0.40	0.00	142.79
	08	18.58	20.91	4.39	0.50	0.32	0.10	0.00	44.80
	09	51.58	60.91	2.77	0.68	0.16	0.00	0.00	116.10
	10	24.64	33.99	12.15	0.52	0.00	0.00	0.00	71.30
	11	22.60	89.72	7.42	0.51	0.35	0.09	0.00	120.69
	14	10.78	18.88	3.35	0.93	0.18	0.28	0.00	34.40
	Total:	232.91	450.25	119.34	11.76	1.79	0.87	0.05	816.97
AL04									
	02	0.00	69.56	67.17	7.36	0.00	0.00	0.00	144.09
	03	39.54	94.04	8.33	0.65	0.19	0.00	0.05	142.80
	04	65.19	62.24	13.76	0.61	0.59	0.40	0.00	142.79
	08	18.58	20.91	4.39	0.50	0.32	0.10	0.00	44.80
	09	51.58	60.91	2.77	0.68	0.16	0.00	0.00	116.10
	10	24.64	33.99	12.15	0.52	0.00	0.00	0.00	71.30
	11	22.60	83.55	13.58	0.51	0.36	0.09	0.00	120.69
	14	10.78	18.88	3.35	0.93	0.18	0.28	0.00	34.40
	Total:	232.91	444.08	125.50	11.76	1.80	0.87	0.05	816.97
AL05									
	02	0.00	69.56	67.17	7.36	0.00	0.00	0.00	144.09
	03	39.54	90.28	12.09	0.65	0.19	0.00	0.05	142.80
	04	65.19	62.24	13.76	0.61	0.59	0.40	0.00	142.79
	08	18.58	20.91	4.39	0.50	0.32	0.10	0.00	44.80
	09	51.58	61.27	2.41	0.68	0.16	0.00	0.00	116.10
	10	25.52	33.11	12.15	0.52	0.00	0.00	0.00	71.30
	11	22.60	80.98	16.14	0.51	0.36	0.10	0.00	120.69
	14	10.78	18.88	3.35	0.93	0.18	0.28	0.00	34.40
	Total:	233.79	437.23	131.46	11.76	1.80	0.88	0.05	816.97

National Airtanker Study  
Expected Annual Number of Fires by Size Class

ALT NO	UN NO	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
AL06									
	02	0.00	69.56	67.17	7.36	0.00	0.00	0.00	144.09
	03	39.54	94.04	8.33	0.65	0.19	0.00	0.05	142.80
	04	65.19	62.24	13.76	0.61	0.59	0.40	0.00	142.79
	08	18.58	20.91	4.39	0.50	0.32	0.10	0.00	44.80
	09	51.58	61.27	2.41	0.68	0.16	0.00	0.00	116.10
	10	25.52	33.11	12.15	0.52	0.00	0.00	0.00	71.30
	11	22.60	82.01	15.11	0.51	0.36	0.10	0.00	120.69
	14	10.78	18.88	3.35	0.93	0.18	0.28	0.00	34.40
	Total:	233.79	442.02	126.67	11.76	1.80	0.88	0.05	816.97
AL07									
	02	0.00	69.56	67.17	7.36	0.00	0.00	0.00	144.09
	03	39.54	94.04	8.33	0.65	0.19	0.00	0.05	142.80
	04	65.19	62.24	13.76	0.61	0.59	0.40	0.00	142.79
	08	18.58	20.91	4.39	0.50	0.32	0.10	0.00	44.80
	09	51.58	61.27	2.41	0.68	0.16	0.00	0.00	116.10
	10	25.52	33.11	12.15	0.52	0.00	0.00	0.00	71.30
	11	22.60	82.01	15.11	0.51	0.36	0.10	0.00	120.69
	14	10.78	18.88	3.35	0.93	0.18	0.28	0.00	34.40
	Total:	233.79	442.02	126.67	11.76	1.80	0.88	0.05	816.97
AL08									
	02	0.00	69.56	67.17	7.36	0.00	0.00	0.00	144.09
	03	39.54	94.04	8.33	0.65	0.19	0.00	0.05	142.80
	04	65.19	62.24	13.76	0.61	0.59	0.40	0.00	142.79
	08	18.58	20.91	4.39	0.50	0.32	0.10	0.00	44.80
	09	51.58	60.57	3.11	0.68	0.16	0.00	0.00	116.10
	10	25.52	33.11	12.15	0.52	0.00	0.00	0.00	71.30
	11	22.60	82.01	15.11	0.51	0.36	0.10	0.00	120.69
	14	10.78	18.88	3.35	0.93	0.18	0.28	0.00	34.40
	Total:	233.79	441.32	127.37	11.76	1.80	0.88	0.05	816.97
AL09									
	02	0.00	69.56	67.17	7.36	0.00	0.00	0.00	144.09
	03	39.54	94.04	8.33	0.65	0.19	0.00	0.05	142.80
	04	65.19	62.24	13.76	0.61	0.59	0.40	0.00	142.79
	08	18.58	20.91	4.39	0.50	0.32	0.10	0.00	44.80
	09	51.58	60.91	2.77	0.68	0.16	0.00	0.00	116.10
	10	24.64	33.99	12.15	0.52	0.00	0.00	0.00	71.30
	11	22.60	82.01	15.11	0.51	0.36	0.10	0.00	120.69
	14	10.78	18.88	3.35	0.93	0.18	0.28	0.00	34.40
	Total:	232.91	442.54	127.03	11.76	1.80	0.88	0.05	816.97



National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

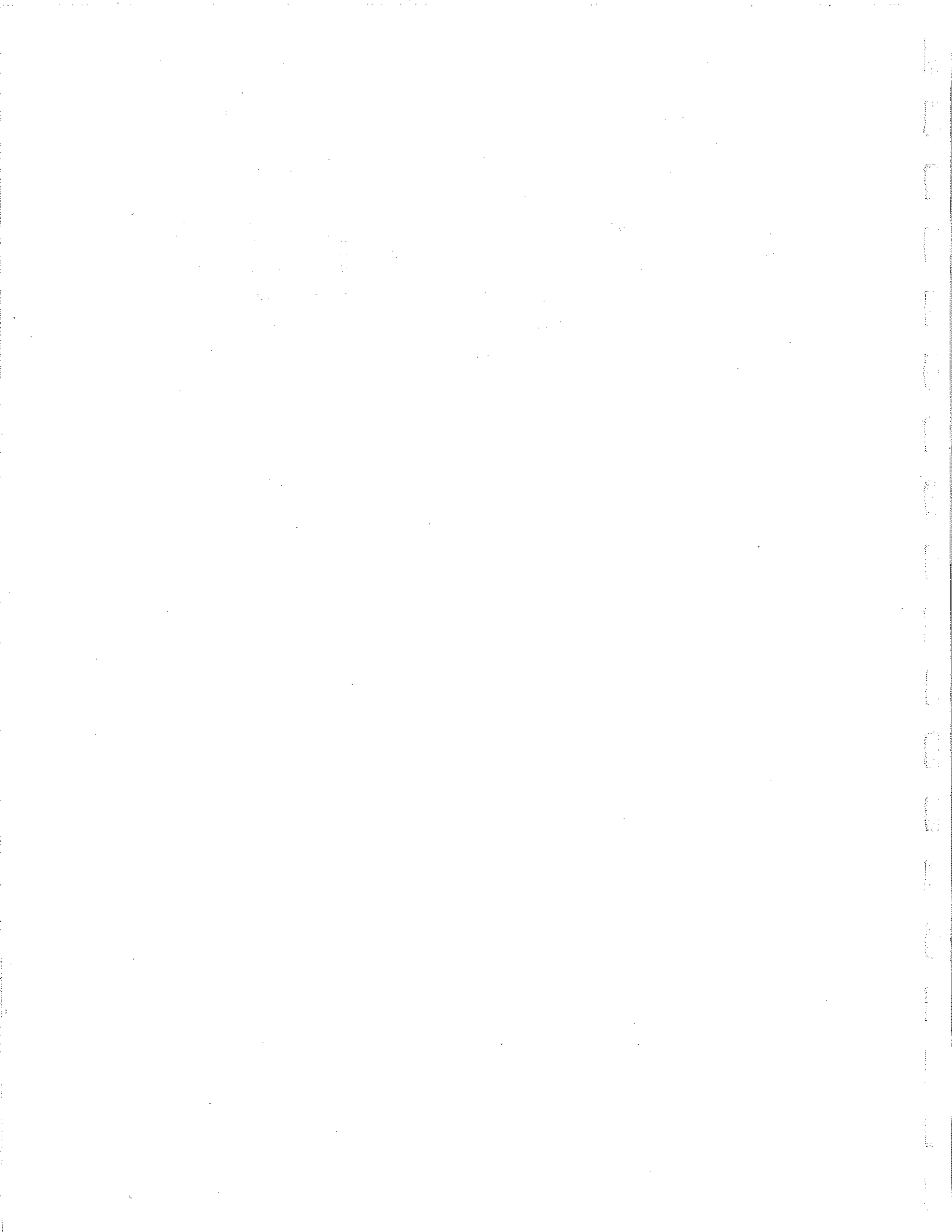
ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL01										
	A1		0.00	0.00	0.00	2.40	0.00	0.00	0.00	2.40
	A3		4.40	28.60	13.20	1.20	0.16	0.00	0.00	47.56
	A5		0.00	12.23	77.19	10.56	1.64	0.59	0.05	102.26
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			4.40	40.83	90.39	14.16	1.80	0.59	0.05	152.22
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			4.40	40.83	90.39	14.16	1.80	0.59	0.05	152.22
-----Summary-----										
AL02										
	A1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----Summary-----										
AL03										
	A1		0.00	0.00	0.00	2.40	0.00	0.00	0.00	2.40
	A3		0.00	19.94	5.80	3.56	1.11	0.30	0.00	30.71
	A5		3.52	35.27	82.72	11.76	1.79	0.58	0.05	135.69
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			3.52	55.21	88.52	17.72	2.90	0.88	0.05	168.80
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			3.52	55.21	88.52	17.72	2.90	0.88	0.05	168.80
-----Summary-----										
AL04										
	A1		0.00	0.00	0.00	2.40	0.00	0.00	0.00	2.40
	A3		0.00	7.18	66.93	8.80	0.84	0.42	0.05	84.22
	A5		3.52	37.14	88.56	10.83	1.62	0.30	0.05	142.02
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sum:			3.52	44.32	155.49	22.03	2.46	0.72	0.10	228.64
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:			3.52	44.32	155.49	22.03	2.46	0.72	0.10	228.64

National Airtanker Study  
Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL05										
	A1		0.00	0.00	0.00	2.40	0.00	0.00	0.00	2.40
	A3		4.40	28.60	13.20	1.20	0.16	0.00	0.00	47.56
	A5		0.00	7.44	78.22	9.95	1.49	0.59	0.05	97.74
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		4.40	36.04	91.42	13.55	1.65	0.59	0.05	147.70
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		4.40	36.04	91.42	13.55	1.65	0.59	0.05	147.70
-----Summary-----										
AL06										
	A1		0.00	10.67	13.49	3.56	1.12	0.31	0.00	29.15
	A3		4.40	28.60	13.20	1.20	0.16	0.00	0.00	47.56
	A5		0.00	27.62	89.01	11.08	1.64	0.59	0.05	129.99
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		4.40	66.89	115.70	15.84	2.92	0.90	0.05	206.70
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		4.40	66.89	115.70	15.84	2.92	0.90	0.05	206.70
-----Summary-----										
AL07										
	A1		0.00	6.61	69.36	9.03	0.85	0.42	0.05	86.32
	A3		4.40	28.60	13.20	1.20	0.16	0.00	0.00	47.56
	A5		0.00	27.02	88.69	10.15	1.46	0.31	0.05	127.68
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		4.40	62.23	171.25	20.38	2.47	0.73	0.10	261.56
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		4.40	62.23	171.25	20.38	2.47	0.73	0.10	261.56
-----Summary-----										
AL08										
	A1		4.40	28.96	14.01	3.60	0.16	0.00	0.00	51.13
	A3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	A5		0.00	12.23	77.19	10.56	1.64	0.59	0.05	102.26
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		4.40	41.19	91.20	14.16	1.80	0.59	0.05	153.39
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		4.40	41.19	91.20	14.16	1.80	0.59	0.05	153.39

National Airtanker Study  
 Expected Annual Number of Initial Attack Airtanker Dispatches by Size Class

ALT NO	UN ID	TY ID	0- .25	.26- 9.99	10- 99.99	100- 299.9	300- 999.9	1000- 4999	5000+	Total
-----Summary-----										
AL09										
	A1		0.00	0.00	0.00	2.40	0.00	0.00	0.00	2.40
	A3		0.00	3.76	1.67	0.15	0.00	0.00	0.00	5.58
	A5		3.52	36.22	90.74	11.76	1.80	0.59	0.05	144.68
	A7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sum:		3.52	39.98	92.41	14.31	1.80	0.59	0.05	152.66
	A9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total:		3.52	39.98	92.41	14.31	1.80	0.59	0.05	152.66



APPENDIX L.  
Aviation Management Information System (AMIS) and DOI Data on  
Retardant Use on Fires Greater Than 100 Acres

## A Sample of Retardant Use On Fires Greater Than 100 Acres

Fire Name	Acres	Resource Order Number	Fire Start Date	Total All Gallons	2nd Day+ Gallons	1st Day Gallons
PAMO	100	CA-CNF-759	12-JUN-94	17745	4900	12845
Garvey	100	V294	16-JUL-94	14700	2450	12250
GERONIMO	100	AZ-TNF-283	27-JUL-93	11600	5600	6000
BROKEN	100	CA-TCU-4547	26-AUG-94	342896	207200	135696
BEL KNOB	100	ID-PAF-035	20-AUG-94	91500	85950	5550
EAST MINER COMPLEX	105	WY-BTF-110	09-SEP-94	12000	3000	9000
RED BUTTE	115	WA-WEF-120	14-JUL-94	29960	17963	11997
APPLEGATE COMPLEX	120	OR-RRF-016	21-JUL-94	33091	5609	27482
CRANE PARK	120	CO-RTF-018	22-OCT-92	24000	18000	6000
SPRUCE	131	NM-GNF-090	15-JUN-94	132000	105000	27000
LOOKUP	169	WA-SES-084	09-AUG-93	50039	2450	47589
413360	170	A360	22-JUN-94	6600	2200	4400
Boat Cap	185	E347	01-AUG-93	22050	7350	14700
Long	200	J410	22-JUL-94	11899	9000	2899
TWEEDYS	200	AZ-ASD-C192	11-AUG-94	4900	2450	2450
SPUD ROCK	244	AZ-CNF-034	21-MAY-93	22050	7350	14700
Grapevine	250	R395	10-AUG-94	10800	7200	3600
South Lake	250	E534	08-JUL-93	19100	14450	4650
BIG ROCKS	270	NM-LNF-070	02-JUL-94	68000	47300	20700
MEXICAN RIDGE	270	CO-RTF-00005	25-JUN-94	7350	4900	2450
STRONG MAN COMPLEX	275	ID-IPF-12166	16-AUG-94	17150	12250	4900
SIAM	275	ID-CWF-12665	23-SEP-94	5600	1800	3800
GUERRERO	280	CA-BEU-1379	10-JUN-93	18000	6000	12000
STILLWATER	305	NV-CCD-2091	25-JUL-94	8000	2000	6000
Stillwater	305	J639	25-JUL-94	18600	6600	12000
BRIDGE CREEK	327	OR-OCF-800	04-AUG-94	29067	20124	8943
DUTCH JOE	330	WY-BTF-029	28-JUL-94	21000	15000	6000
BLUE SALMON	360	CA-SRF-1754	22-JUL-94	26250	6000	20250
SAM GROUP	400	ID-CWF-12627	04-AUG-94	34750	27400	7350
COX CANYON	413	CO-SVA-00018	27-JUN-94	24500	14700	9800
PECK	413	AZ-PNF-214	28-JUN-94	98333	80083	18250
FISHER PEAK	420	ID-IPF-12165	22-AUG-94	217510	107200	110310
CREEK	442	CA-TCU-4256	09-AUG-94	79000	68000	11000
GRAPEVINE	450	CA-MVU-4390	07-AUG-94	9600	8100	1500
DARK	500	NM-LNF-078	02-JUL-94	7350	2450	4900
BEAR CAMP	510	ID-CWF-12653	24-AUG-94	12250	2450	9800
ROUSE	560	CA-BDF-6941	13-AUG-94	69000	46000	23000
MORGAN	562	CO-SVA-00016	26-JUN-94	4900	2450	2450
Board	566	K017	24-JUN-94	9669	4900	4769
CHINA CREEK	570	OR-72S-045	26-OCT-93	23400	5805	17595
SECATA	595	CA-SNF-1006	02-SEP-94	18280	10800	7480
432333	596	A333	15-JUN-94	8800	4400	4400
RYAN	600	NM-CIF-110	05-AUG-94	111000	103650	7350
GRAHAM COMPLEX	610	AZ-CNF-113	16-JUN-93	221000	218550	2450
LONG CANYON	620	CO-GJD-V858	29-JUN-94	29400	17150	12250
GARLIC	626	CA-SNF-482	17-JUN-94	12000	2000	10000
SCORPION	638	CA-SHF-5847	18-SEP-94	73207	67207	6000
PARTRIDGE	650	ID-PAF-029	08-AUG-94	6000	4000	2000
PERMA	670	MT-PHA-120	01-AUG-94	25000	17650	7350
ANTARES	700	AZ-PHD-W381	18-AUG-93	7350	2450	4900
CABIN GULCH	800	CO-CRD-V160	19-JUL-94	47800	31800	16000

## A Sample of Retardant Use On Fires Greater Than 100 Acres

Fire Name	Acres	Resource Order Number	Fire Start Date	Total All Gallons	2nd Day+ Gallons	1st Day Gallons
KELSEY	860	CA-AEV-3103	07-AUG-94	26962	18004	8958
SOUTH SNOWY	870	ID-LED-H590	09-SEP-94	79300	74400	4900
YORK	900	CA-FKU-5504	11-JUN-94	26000	16000	10000
MANKATO	980	ID-IPF-12152	13-AUG-94	96600	96600	0
BOX D	980	CO-CRD-V095	13-JUL-94	19452	2452	17000
BROWN	1012	CA-CDD-4406	27-MAY-94	45150	45150	0
ROW	1077	WY-BTF-101	29-AUG-94	36250	24250	12000
HWY 74	1150	CA-RRU-35794	06-AUG-94	20100	14100	6000
SIMPSON	1200	NV-BMD-K766	18-JUL-94	31200	16800	14400
EAST CHAMBERLIN	1214	MT-SWS-127	03-AUG-94	22550	15200	7350
JEEP	1240	CA-BDF-6944	13-AUG-94	18000	12000	6000
HIRSCHDALE	1300	CA-TNF-7184	11-AUG-94	31114	11281	19833
BODEN	1300	CA-CNF-520	10-MAY-93	18000	2000	16000
DOUGS BEACH	1300	WA-SES-099	19-AUG-94	29954	9000	20954
TCU-CREEK	1360	CA-TCU-4250	10-AUG-94	48000	27000	21000
COTTONWOOD COMPLEX	1400	NV-WID-J739	20-JUL-94	27400	15000	12400
INDIAN ROCK	1440	OR-MAF-260	02-AUG-94	116776	107700	9076
LEO	1455	AZ-CNF-176	05-JUL-94	8450	2450	6000
Jumbled	1500	Y438	05-AUG-93	12000	3000	9000
FOUR CORNERS	1525	OR-DEF-224	21-JUL-94	50839	30927	19912
Table	1550	D359	23-JUL-94	7800	1800	6000
Buniger Canyon	1600	V854	26-JUN-94	19600	9800	9800
SPRIGNETT	1631	OR-71S-208	23-SEP-94	17016	14590	2426
BROWN	1650	CA-SHU-3839	12-JUL-94	44000	25000	19000
STATE	1760	CA-RRU-28900	27-JUN-94	48000	9000	39000
Bulloch	1762	R355	24-JUL-94	32000	22000	10000
POINT	1762	AZ-KNF-123	16-JUN-93	23923	6000	17923
WHISKEY	1848	NM-GNF-849	06-JUN-93	73300	27250	46050
MACKENZIE	1850	AZ-PHD-C444	01-JUN-94	66150	34300	31850
Two Kilns	1863	K392	06-JUL-94	24000	2000	22000
PONCHO	1890	NM-LNF-079	05-JUL-94	124700	111900	12800
Kern	1926	K121	05-AUG-94	10800	9000	1800
DOYLE	2000	CA-PNF-230	03-JUN-94	10000	8000	2000
BEAR	2050	NM-ROD-L770	23-JUN-93	17150	2450	14700
FOX POINT	2075	OR-WWF-047	24-SEP-94	72487	67037	5450
DECKARD FLATS	2100	MT-GNF-16050	02-SEP-94	43650	28950	14700
SOUTH CANYON	2115	CO-GJD-V891	06-JUL-94	21000	13000	8000
SPANISH	2132	CA-SBC-4285	08-SEP-94	19000	6000	13000
BIG WELL	2200	AZ-CNF-201	04-AUG-93	18730	13830	4900
MILK RANCH	2281	NV-ELD-K025	02-JUL-94	41400	30600	10800
REED	2440	OR-MAF-485	24-SEP-94	63096	60134	2962
FRANKLIN MTN	2500	TX-FTB-001	18-APR-94	29400	9800	19600
WHITE BLANKET	2550	CA-KRN-20403	02-MAY-94	197000	194550	2450
HORIZON	2560	CA-YNP-071	13-AUG-94	11350	3200	8150
BRACKEN POINT	2580	WA-UMF-042	27-JUL-94	7767	4900	2867
BOUNDARY	2718	OR-UMF-060	10-AUG-94	343666	122797	220869
SUGARFOOT	2788	CA-MNF-479	27-AUG-94	98000	70000	28000
Beacon	2865	Y465	12-AUG-93	24600	22600	2000
ANN	2890	MT-BRF-11152	17-AUG-94	162500	157600	4900

## A Sample of Retardant Use On Fires Greater Than 100 Acres

Fire Name	Acres	Resource Order Number	Fire Start Date	Total All Gallons	2nd Day+ Gallons	1st Day Gallons
MILLER	2910	AZ-CNF-080	03-JUN-94	103000	74000	29000
SCOUT	3020	CA-ANF-4293	25-JUN-94	62000	24000	38000
UTE CREEK	3030	CO-WRF-P24258	06-JUL-94	19600	17150	2450
White Rock	3069	Y020	15-JUL-93	27100	21500	5600
EDWARDS	3094	AZ-TNF-303	02-AUG-93	15000	6000	9000
Bunker	3200	Y475	19-AUG-93	9800	4900	4900
ROW	3370	WY-GTP-003	29-AUG-94	14000	8000	6000
WAKE	3460	CO-MRD-V241	04-JUL-94	30000	12000	18000
SHOOTING	3490	CA-ANF-5963	25-JUN-94	125000	100000	25000
ALISO	3500	CA-SBC-3556	30-JUL-94	28164	10164	18000
LIBERTY	3700	AZ-PHD-C362	06-SEP-94	4000	2000	2000
Bitt Cr. Complex	3820	R762	28-JUN-94	12250	4900	7350
Wake	3848	V241	04-JUL-94	18000	8000	10000
CABINET COMPLEX	4000	MT-KNF-15292	30-AUG-94	86800	82000	4800
NIRADA	4268	MT-GNF-31	29-AUG-94	18900	18900	0
QUEMADO	4300	NM-SNF-0038	03-JUL-93	14400	11400	3000
ROBINSON	4300	MT-YNF-2181	10-SEP-94	19600	17150	2450
EAGLE	4600	CA-CNF-519	09-MAY-93	55000	40000	15000
CASTLE	4763	AZ-PNF-221	30-JUN-94	31407	30196	1211
HARAQUHUALA	4824	AZ-PHD-C393	15-JUL-93	50860	29860	21000
BRIDGE	4966	NM-LNF-036	07-JUN-94	176158	166158	10000
METHOW COMPLEX	5220	WA-OKF-085	06-AUG-94	87359	81359	6000
BIG CREEK	5250	CA-SNF-974	24-AUG-94	271000	244000	27000
BURGETT	5350	NM-LNF-007	18-APR-93	36750	19600	17150
KINNELOA	5700	CA-ANF-11194	27-OCT-93	72000	62000	10000
RATTLESNAKE	5700	NV-LVD-K381	28-JUN-94	18000	12000	6000
JORDAN SPRINGS	5757	OR-MAF-388	30-AUG-94	25679	11844	13835
ARMER	5760	AZ-TNF-195	30-JUN-94	112413	100442	11971
Porphyry	6125	J435	29-AUG-94	9000	1800	7200
MARCUS	6200	TX-GUP-001	08-JUN-94	23000	20000	3000
REDDINGTON(RINCON)	6218	AZ-CNF-940717	03-JUL-94	957000	940000	17000
PIGEON	6250	NM-GNF-125	15-JUN-94	203502	172502	31000
IRON	6374	NM-GNF-067	11-JUN-93	45500	38150	7350
HOLBROOK	6469	NV-CCD-2207	08-AUG-94	43922	11724	32198
PINE	6500	TX-GUP-001	08-MAY-93	174000	166000	8000
BUG	6608	AZ-AZS-93-0813	01-AUG-93	32150	20150	12000
BAILEY	7000	CA-RRU-25830	25-JUN-94	39000	27000	12000
SPECIMEN	7015	CA-KNF-3653	20-SEP-94	70600	58350	12250
CRYSTAL	7310	CA-TNF-6657	05-AUG-94	76000	49000	27000
FREEZOUT	7449	OR-WWF-034	28-AUG-94	130861	123511	7350
GRANITE	7517	OR-WWF-004	01-AUG-94	77606	51771	25835
BADGER	7600	CA-SWR-1833	17-JUL-94	152000	114000	38000
PIONEER CREEK	7848	ID-CHF-015	11-AUG-94	6000	3000	3000
HULL MTN	7990	OR-71S-190	23-AUG-94	296285	252732	43553
MCDONALD	8000	MT-FHA-151	16-AUG-94	83700	83700	0
TRANS MTN	8126	NM-LNF-120104	03-JUN-93	86910	64550	22360
HENRY PEAK	8203	MT-NWS-441	27-JUL-94	47050	37250	9800
SNAKE COMPLEX	8626	OR-WWF-022	15-AUG-94	21350	14727	6623
Rain	9654	J057	24-JUL-94	29750	14750	15000
Lone Mountain	11188	J026	16-JUL-94	52400	40200	12200



## A Sample of Retardant Use On Fires Greater Than 100 Acres

Fire Name	Acres	Resource Order Number	Fire Start Date	Total All Gallons	2nd Day+ Gallons	1st Day Gallons
Devil	11743	U004	04-JUL-94	4000	2000	2000
BLACK WILLOW	12031	UT-FIF-P44165	04-AUG-94	32700	19900	12800
BLACK BUTTE	12100	MT-GNF-16059	08-SEP-94	24750	19850	4900
YAAK COMPLEX	12109	MT-KNF-15293	17-AUG-94	770750	760950	9800
HATCHERY	12160	WA-WEF-146	31-JUL-94	1034726	995726	39000
DEVIL	12238	CA-BDF-5700	03-JUL-94	200000	184000	16000
Hallelujah	12585	J591	14-JUL-94	82861	47811	35050
LIBBY COMPLEX	12990	MT-KNF-15333	26-AUG-94	151850	149400	2450
BLACK RIDGE	13975	CO-SVA-00025	06-JUL-94	115050	103150	21900
WEST KOOCANUSA	15890	MT-KNF-15291	27-AUG-94	26600	16800	9800
LITTLE MALHEUR COM	15890	OR-MAF-392	30-AUG-94	23695	17699	5996
GOOSE CREEK	16000	NV-EKD-J050	24-JUL-94	36000	24000	12000
OKANAGAN COMPLEX	16120	WA-OKF-057	30-JUL-94	207410	205525	1885
412312	17155	A312	14-JUN-94	22000	8800	13200
TOPANGA	18560		03-NOV-93	87000	66000	21000
ORTEGA	21384	CA-CNF-1947	29-OCT-93	161000	144000	17000
PALM/BDF	21500	CA-RRU-29729	01-JUL-94	14000	12000	2000
HEMET COMPLEX	22122	CA-BDF-5587	01-JUL-94	467630	437630	30000
COFFEE POT	22200	NM-CIF-109	08-JUN-94	112200	69450	42750
TWIN LAKES	22330	OR-WWF-036	28-AUG-94	128911	112680	16231
Moore	24175	J416	31-JUL-94	24600	7200	17400
CLEVELAND	24580	CA-LNF-2803	19-SEP-94	588000	556000	32000
STECKLE	26500	CA-VNC-18246	28-OCT-93	48000	39000	9000
RATTLESNAKE	27720	AZ-CNF-143	12-JUN-94	800000	791000	9000
DILLON COMPLEX	28953	CA-KNF-2527	10-AUG-94	1316000	1275000	41000
RAT	29435	WA-WEF-163	29-JUL-94	125237	113300	11937
Elevator	31395	F552	29-JUL-94	16000	10000	6000
LECLAIR	33490	OR-WSA-103	26-JUL-94	26163	8907	17256
332248	36250	B248	4-JUN-93	15400	11000	4400
GREEN MEADOW	38152	CA-VNC-18195	26-OCT-93	58000	44000	14000
Gregerson	43000	K385	01-JUL-94	21000	6000	15000
MARRE	43200	CA-LPF-1254	01-OCT-93	706000	702000	4000
404275	43330	A275	13-JUN-94	13200	2200	11000
COTTONWOOD	46800	CA-TNF-7064	16-AUG-94	1965000	1878000	87000
41 FIRE	48531	CA-SLU-2719	15-AUG-94	127000	49000	78000
BLACKWELL	62270	ID-PAF-026	05-AUG-94	263000	257000	6000
BABY DEAN	62800	ID-NCA-180	09-SEP-94	59230	48900	10330
CHICKEN COMPLEX	102682	ID-PAF-036	30-AUG-94	115550	113950	1600
CORRAL	115659	ID-PAF-023	02-AUG-94	1658000	1649000	9000
TYEE	140000	WA-WEF-147	06-AUG-94	608169	596169	12000

All Agency Averages: 100-5000 Acres = 30,392 gallons/fire  
5000+ Acres = 202,205 gallons/fire

## A Sample of Retardant Use on Forest Service On Fires Greater Than 100 Acres

Fire Name	Acres		Resource Order Number	Fire Start Date	Total	
					All Gallons	2nd Day+ Gallons
GERONIMO	100	FS	AZ-TNF-283	27-JUL-93	11600	5600
BEL KNOB	100	FS	ID-PAF-035	20-AUG-94	91500	85950
PAMO	100	FS	CA-CNF-759	12-JUN-94	17745	4900
EAST MINER COMPLEX	105	FS	WY-BTF-110	09-SEP-94	12000	3000
RED BUTTE	115	FS	WA-WEF-120	14-JUL-94	29960	17963
APPLEGATE COMPLEX	120	FS	OR-RRF-016	21-JUL-94	33091	5609
CRANE PARK	120	FS	CO-RTF-018	22-OCT-92	24000	18000
SPRUCE	131	FS	NM-GNF-090	15-JUN-94	132000	105000
SPUD ROCK	244	FS	AZ-CNF-034	21-MAY-93	22050	7350
MEXICAN RIDGE	270	FS	CO-RTF-00005	25-JUN-94	7350	4900
BIG ROCKS	270	FS	NM-LNF-070	02-JUL-94	68000	47300
STRONG MAN COMPLEX	275	FS	ID-IPF-12166	16-AUG-94	17150	12250
SIAM	275	FS	ID-CWF-12665	23-SEP-94	5600	1800
BRIDGE CREEK	327	FS	OR-OCF-800	04-AUG-94	29067	20124
DUTCH JOE	330	FS	WY-BTF-029	28-JUL-94	21000	15000
BLUE SALMON	360	FS	CA-SRF-1754	22-JUL-94	26250	6000
SAM GROUP	400	FS	ID-CWF-12627	04-AUG-94	34750	27400
PECK	413	FS	AZ-PNF-214	28-JUN-94	98333	80083
FISHER PEAK	420	FS	ID-IPF-12165	22-AUG-94	217510	107200
DARK	500	FS	NM-LNF-078	02-JUL-94	7350	2450
BEAR CAMP	510	FS	ID-CWF-12653	24-AUG-94	12250	2450
ROUSE	560	FS	CA-BDF-6941	13-AUG-94	69000	46000
SECATA	595	FS	CA-SNF-1006	02-SEP-94	18280	10800
RYAN	600	FS	NM-CIF-110	05-JUN-94	111000	103650
GRAHAM COMPLEX	610	FS	AZ-CNF-113	16-JUN-93	221000	218550
GARLIC	626	FS	CA-SNF-482	17-JUN-94	12000	2000
SCORPION	638	FS	CA-SHF-5847	18-SEP-94	73207	67207
PARTRIDGE	650	FS	ID-PAF-029	08-AUG-94	6000	4000
MANKATO	980	FS	ID-IPF-12152	13-AUG-94	96600	96600
ROW	1077	FS	WY-BTF-101	29-AUG-94	36250	24250
JEEP	1240	FS	CA-BDF-6944	13-AUG-94	18000	12000
BODEN	1300	FS	CA-CNF-520	10-MAY-93	18000	2000
HIRSCHDALE	1300	FS	CA-TNF-7184	11-AUG-94	31114	11281
INDIAN ROCK	1440	FS	OR-MAF-260	02-AUG-94	116776	107700
LEO	1455	FS	AZ-CNF-176	05-JUL-94	8450	2450
FOUR CORNERS	1525	FS	OR-DEF-224	21-JUL-94	50839	30927
POINT	1762	FS	AZ-KNF-123	16-JUN-93	23923	6000
WHISKEY	1848	FS	NM-GNF-849	06-JUN-93	73300	27250
PONCHO	1890	FS	NM-LNF-079	05-JUL-94	124700	111900
DOYLE	2000	FS	CA-PNF-230	03-JUN-94	10000	8000
FOX POINT	2075	FS	OR-WWF-047	24-SEP-94	72487	67037
DECKARD FLATS	2100	FS	MT-GNF-16050	02-SEP-94	43650	28950
BIG WELL	2200	FS	AZ-CNF-201	04-AUG-93	18730	13830
REED	2440	FS	OR-MAF-485	24-SEP-94	63096	60134
BRACKEN POINT	2580	FS	WA-UMF-042	27-JUL-94	7767	4900
BOUNDARY	2718	FS	OR-UMF-060	10-AUG-94	343666	122797
SUGARFOOT	2788	FS	CA-MNF-479	27-AUG-94	98000	70000
ANN	2890	FS	MT-BRF-11152	17-AUG-94	162500	157600
MILLER	2910	FS	AZ-CNF-080	03-JUN-94	103000	74000
SCOUT	3020	FS	CA-ANF-4293	25-JUN-94	62000	24000

## A Sample of Retardant Use on Forest Service On Fires Greater Than 100 Acres

Fire Name	Acres	Resource Order Number	Fire Start Date	Total	
				All Gallons	2nd Day+ Gallons
UTE CREEK	3030	FS	CO-WRF-P24258	19600	17150
EDWARDS	3094	FS	AZ-TNF-303	15000	6000
SHOOTING	3490	FS	CA-ANF-5963	125000	100000
CABINET COMPLEX	4000	FS	MT-KNF-15292	86800	82000
QUEMADO	4300	FS	NM-SNF-0038	14400	11400
EAGLE	4600	FS	CA-CNF-519	55000	40000
CASTLE	4763	FS	AZ-PNF-221	31407	30196
BRIDGE	4966	FS	NM-LNF-036	176158	166158
METHOW COMPLEX	5220	FS	WA-OKF-085	87359	81359
BIG CREEK	5250	FS	CA-SNF-974	271000	244000
BURGETT	5350	FS	NM-LNF-007	36750	19600
KINNELOA	5700	FS	CA-ANF-11194	72000	62000
JORDAN SPRINGS	5757	FS	OR-MAF-388	25679	11844
ARMER	5760	FS	AZ-TNF-195	112413	100442
REDDINGTON (RINCON)	6218	FS	AZ-CNF-940717	957000	940000
PIGEON	6250	FS	NM-GNF-125	203502	172502
IRON	6374	FS	NM-GNF-067	45500	38150
SPECIMEN	7015	FS	CA-KNF-3653	70600	58350
CRYSTAL	7310	FS	CA-TNF-6657	76000	49000
FREEZOUT	7449	FS	OR-WWF-034	130861	123511
GRANITE	7517	FS	OR-WWF-004	77606	51771
PIONEER CREEK	7848	FS	ID-CHF-015	6000	3000
TRANS MTN	8126	FS	NM-LNF-120104	86910	64550
BLACK WILLOW	12031	FS	UT-FIF-P44165	32700	19900
BLACK BUTTE	12100	FS	MT-GNF-16059	24750	19850
YAAK COMPLEX	12109	FS	MT-KNF-15293	770750	760950
HATCHERY	12160	FS	WA-WEF-146	1034726	995726
DEVIL	12238	FS	CA-BDF-5700	200000	184000
LIBBY COMPLEX	12990	FS	MT-KNF-15333	151850	149400
WEST KOOCANUSA	15890	FS	MT-KNF-15291	26600	16800
LITTLE MALHEUR COM	15890	FS	OR-MAF-392	23695	17699
OKANAGAN COMPLEX	16120	FS	WA-OKF-057	207410	205525
ORTEGA	21384	FS	CA-CNF-1947	161000	144000
HEMET COMPLEX	22122	FS	CA-BDF-5587	467630	437630
COFFEE POT	22200	FS	NM-CIF-109	112200	69450
TWIN LAKES	22330	FS	OR-WWF-036	128911	112680
CLEVELAND	24580	FS	CA-LNF-2803	588000	556000
RATTLESNAKE	27720	FS	AZ-CNF-143	800000	791000
DILLON COMPLEX	28953	FS	CA-KNF-2527	1316000	1275000
RAT	29435	FS	WA-WEF-163	125237	113300
COTTONWOOD	46800	FS	CA-TNF-7064	1965000	1878000
BLACKWELL	62270	FS	ID-PAF-026	263000	257000
CHICKEN COMPLEX	102682	FS	ID-PAF-036	115550	113950
CORRAL	115659	FS	ID-PAF-023	1658000	1649000
TYEE	140000	FS	WA-WEF-147	608169	596169

Forest Service Averages: 100-5000 Acres = 43,949 gallons/fire  
5000+ Acres = 303,244 gallons/fire

All Agency Averages: 100-5000 Acres = 30,392 gallons/fire  
5000+ Acres = 202,205 gallons/fire

## A Sample of Retardant Use on BLM On Fires Greater Than 100 Acres

Fire Name	Acres	Resource Order Number	Fire Start Date	Total	
				All Gallons	2nd Day+ Gallons
Garvey	100	BLM V294	16-JUL-94	14700	2450
413360	170	BLM A360	22-JUN-94	6600	2200
Boat Cap	185	BLM E347	01-AUG-93	22050	7350
TWEEDYS	200	BLM AZ-ASD-C192	11-AUG-94	4900	2450
Long	200	BLM J410	22-JUL-94	11899	9000
South Lake	250	BLM E534	08-JUL-93	19100	14450
Grapevine	250	BLM R395	10-AUG-94	10800	7200
STILLWATER	305	BLM NV-CCD-2091	25-JUL-94	8000	2000
Stillwater	305	BLM J639	25-JUL-94	18600	6600
Board	566	BLM K017	24-JUN-94	9669	4900
432333	596	BLM A333	15-JUN-94	8800	4400
LONG CANYON	620	BLM CO-GJD-V858	29-JUN-94	29400	17150
ANTARES	700	BLM AZ-PHD-W381	18-AUG-93	7350	2450
CABIN GULCH	800	BLM CO-CRD-V160	19-JUL-94	47800	31800
SOUTH SNOWY	870	BLM ID-LED-H590	09-SEP-94	79300	74400
BOX D	980	BLM CO-CRD-V095	13-JUL-94	19452	2452
BROWN	1012	BLM CA-CDD-4406	27-MAY-94	45150	45150
SIMPSON	1200	BLM NV-BMD-K766	18-JUL-94	31200	16800
COTTONWOOD COMPLEX	1400	BLM NV-WID-J739	20-JUL-94	27400	15000
Jumbled	1500	BLM Y438	05-AUG-93	12000	3000
Table	1550	BLM D359	23-JUL-94	7800	1800
Buniger Canyon	1600	BLM V854	26-JUN-94	19600	9800
Bulloch	1762	BLM R355	24-JUL-94	32000	22000
MACKENZIE	1850	BLM AZ-PHD-C444	01-JUN-94	66150	34300
Two Kilns	1863	BLM K392	06-JUL-94	24000	2000
Kern	1926	BLM K121	05-AUG-94	10800	9000
BEAR	2050	BLM NM-ROD-L770	23-JUN-93	17150	2450
SOUTH CANYON	2115	BLM CO-GJD-V891	06-JUL-94	21000	13000
MILK RANCH	2281	BLM NV-ELD-K025	02-JUL-94	41400	30600
Beacon	2865	BLM Y465	12-AUG-93	24600	22600
White Rock	3069	BLM Y020	15-JUL-93	27100	21500
Bunker	3200	BLM Y475	19-AUG-93	9800	4900
WAKE	3460	BLM CO-MRD-V241	04-JUL-94	30000	12000
LIBERTY	3700	BLM AZ-PHD-C362	06-SEP-94	4000	2000
Bitt Cr. Complex	3820	BLM R762	28-JUN-94	12250	4900
Wake	3848	BLM V241	04-JUL-94	18000	8000
HARAUHUALA	4824	BLM AZ-PHD-C393	15-JUL-93	50860	29860
RATTLESNAKE	5700	BLM NV-LVD-K381	28-JUN-94	18000	12000
Porphyry	6125	BLM J435	29-AUG-94	9000	1800
HOLBROOK	6469	BLM NV-CCD-2207	08-AUG-94	43922	11724
Rain	9654	BLM J057	24-JUL-94	29750	14750
Lone Mountain	11188	BLM J026	16-JUL-94	52400	40200
Devil	11743	BLM U004	04-JUL-94	4000	2000
Hallelujah	12585	BLM J591	14-JUL-94	82861	47811
GOOSE CREEK	16000	BLM NV-EKD-J050	24-JUL-94	36000	24000
412312	17155	BLM A312	14-JUN-94	22000	8800

**A Sample of Retardant Use on BLM On Fires Greater Than 100 Acres**

Fire Name	Acres	Resource	Order Number	Fire Start Date	Total	
					All Gallons	2nd Day+ Gallons
Moore	24175	BLM	J416	31-JUL-94	24600	7200
Elevator	31395	BLM	F552	29-JUL-94	16000	10000
332248	36250	BLM	B248	4-JUN-93	15400	11000
Gregerson	43000	BLM	K385	01-JUL-94	21000	6000
404275	43330	BLM	A275	13-JUN-94	13200	2200

BLM Averages: 100-5000 Acres = 12,242 gallons/fire  
 5000+ Acres = 14,064 gallons/fire

All Agency Averages: 100-5000 Acres = 30,392 gallons/fire  
 5000+ Acres = 202,205 gallons/fire

## A Sample of Retardant Use on Other Agency On Fires Greater Than 100 Acres

Fire Name	Acres	Resource	Order Number	Fire Start Date	Total	
					All Gallons	2nd Day+ Gallons
BROKEN	100	OTHER	CA-TCU-4547	26-AUG-94	342896	207200
LOOKUP	169	OTHER	WA-SES-084	09-AUG-93	50039	2450
GUERRERO	280	OTHER	CA-BEU-1379	10-JUN-93	18000	6000
COX CANYON	413	OTHER	CO-SVA-00018	27-JUN-94	24500	14700
CREEK	442	OTHER	CA-TCU-4256	09-AUG-94	79000	68000
GRAPEVINE	450	OTHER	CA-MVU-4390	07-AUG-94	9600	8100
MORGAN	562	OTHER	CO-SVA-00016	26-JUN-94	4900	2450
CHINA CREEK	570	OTHER	OR-72S-045	26-OCT-93	23400	5805
PERMA	670	OTHER	MT-FHA-120	01-AUG-94	25000	17650
KELSEY	860	OTHER	CA-AEV-3103	07-AUG-94	26962	18004
YORK	900	OTHER	CA-FKU-5504	11-JUN-94	26000	16000
HWY 74	1150	OTHER	CA-RRU-35794	06-AUG-94	20100	14100
EAST CHAMBERLIN	1214	OTHER	MT-SWS-127	03-AUG-94	22550	15200
DOUGS BEACH	1300	OTHER	WA-SES-099	19-AUG-94	29954	9000
TCU-CREEK	1360	OTHER	CA-TCU-4250	10-AUG-94	48000	27000
SPRIGNETT	1631	OTHER	OR-71S-208	23-SEP-94	17016	14590
BROWN	1650	OTHER	CA-SHU-3839	12-JUL-94	44000	25000
STATE	1760	OTHER	CA-RRU-28900	27-JUN-94	48000	9000
SPANISH	2132	OTHER	CA-SBC-4285	08-SEP-94	19000	6000
FRANKLIN MTN	2500	OTHER	TX-FTB-001	18-APR-94	29400	9800
WHITE BLANKET	2550	OTHER	CA-KRN-20403	02-MAY-94	197000	194550
HORIZON	2560	OTHER	CA-YNP-071	13-AUG-94	11350	3200
ROW	3370	OTHER	WY-GTP-003	29-AUG-94	14000	8000
ALISO	3500	OTHER	CA-SBC-3556	30-JUL-94	28164	10164
NIRADA	4268	OTHER	MT-GNP-31	29-AUG-94	18900	18900
ROBINSON	4300	OTHER	MT-YNP-2181	10-SEP-94	19600	17150
MARCUS	6200	OTHER	TX-GUP-001	08-JUN-94	23000	20000
PINE	6500	OTHER	TX-GUP-001	08-MAY-93	174000	166000
BUG	6608	OTHER	AZ-AZS-93-0813	01-AUG-93	32150	20150
BAILEY	7000	OTHER	CA-RRU-25830	25-JUN-94	39000	27000
BADGER	7600	OTHER	CA-SWR-1833	17-JUL-94	152000	114000
HULL MTN	7990	OTHER	OR-71S-190	23-AUG-94	296285	252732
MCDONALD	8000	OTHER	MT-FHA-151	16-AUG-94	83700	83700
HENRY PEAK	8203	OTHER	MT-NWS-441	27-JUL-94	47050	37250
SNAKE COMPLEX	8626	OTHER	OR-WWF-022	15-AUG-94	21350	14727
BLACK RIDGE	13975	OTHER	CO-SVA-00025	06-JUL-94	115050	93150
TOPANGA	18560	OTHER		03-NOV-93	87000	66000
PALM/BDF	21500	OTHER	CA-RRU-29729	01-JUL-94	14000	12000
STECKLE	26500	OTHER	CA-VNC-18246	28-OCT-93	48000	39000
LECLAIR	33490	OTHER	OR-WSA-103	26-JUL-94	26163	8907
GREEN MEADOW	38152	OTHER	CA-VNC-18195	26-OCT-93	58000	44000
MARRE	43200	OTHER	CA-LPF-1254	01-OCT-93	706000	702000
41 FIRE	48531	OTHER	CA-SLU-2719	15-AUG-94	127000	49000
BABY DEAN	62800	OTHER	ID-NCA-180	09-SEP-94	59230	48900

Other Agency Averages: 100-5000 Acres = 28,770 gallons/fire  
5000+ Acres = 154,867 gallons/fire

All Agency Averages: 100-5000 Acres = 30,392 gallons/fire  
5000+ Acres = 202,205 gallons/fire

APPENDIX M.  
Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation





Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation - Appendix M

SIZE CLASS D-G FIRE OCCURRENCE BY YEAR- FOREST SERVICE

FIRES	D-G	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC	SUM	
GEO	AREA	YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AK	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA	1970	0	0	0	0	0	0	0	0	0	0	4	0	1	7	1	2	5	5	4	14	0	2	2	0	0	47
E	1970	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
GB	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	
N	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	1	0	0	0	0	0	0	0	13	
PNW	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	30	
RM	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	4	
S	1970	0	0	2	8	3	2	16	6	3	1	0	0	1	0	0	0	0	0	0	0	0	0	2	5	50	
SW	1970	0	0	0	0	0	0	0	0	1	2	0	4	6	1	1	2	0	0	0	0	0	0	0	0	17	
SUM	=	1	0	2	8	3	2	18	9	8	3	1	11	11	16	10	35	5	14	0	2	2	2	5	0	168	
MAXIMUM	=	1	0	2	8	3	2	16	6	4	2	1	7	6	13	5	15	4	14	0	2	2	2	5	0	16	

FIRES	D-G	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC	SUM
GEO	AREA	YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK	1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	1971	0	0	0	0	1	0	1	0	0	0	0	2	3	1	3	4	3	8	3	0	2	0	0	0	31
E	1971	0	0	0	0	7	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	12
GB	1971	0	0	0	0	0	0	0	0	0	0	0	4	1	1	3	5	0	0	0	0	0	0	0	0	14
N	1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3
PNW	1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
RM	1971	0	0	0	0	0	0	0	0	0	0	0	1	5	0	5	0	0	0	0	0	0	0	0	0	11
S	1971	0	2	1	1	0	3	13	9	4	2	0	2	0	1	0	0	0	0	0	0	0	1	0	0	39
SW	1971	0	0	0	0	0	0	0	0	2	5	2	16	3	0	0	0	0	0	0	0	0	0	0	0	28
SUM	=	0	2	1	1	8	3	14	12	6	8	3	25	12	3	7	16	5	8	3	0	2	1	0	0	140
MAXIMUM	=	0	2	1	1	7	3	13	9	4	5	2	16	5	1	3	5	3	8	3	0	2	1	0	0	16

FIRES	D-G	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC	SUM
GEO	AREA	YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	1972	1	0	0	0	0	0	1	2	0	1	1	9	5	8	5	3	2	0	0	0	1	0	0	0	39
E	1972	0	0	0	0	0	0	1	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
GB	1972	0	0	0	0	0	0	0	0	0	0	0	0	4	6	5	0	1	0	0	0	0	0	0	0	16
N	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
PNW	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
RM	1972	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
S	1972	0	0	0	1	2	3	1	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	10
SW	1972	0	0	0	0	0	0	0	0	2	0	1	16	15	20	6	6	2	0	0	1	0	1	0	0	5
SUM	=	1	0	0	1	2	3	2	1	7	3	1	16	15	20	6	6	2	0	0	1	0	1	0	0	89
MAXIMUM	=	1	0	0	1	2	3	1	1	3	2	1	9	6	8	5	3	2	0	0	1	0	1	0	0	9

FIRES	D-G	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC	SUM
GEO	AREA	YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	1973	0	0	0	0	0	0	0	0	0	1	1	8	4	3	6	4	2	0	0	0	1	0	0	0	30
E	1973	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
GB	1973	0	0	0	0	0	0	0	0	0	0	0	1	4	3	4	3	1	0	0	0	0	0	0	0	16
N	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
PNW	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	1	0	0	0	0	0	0	0	10
RM	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	4
S	1973	0	0	0	0	0	0	0	1	0	1	0	1	0	2	0	0	0	0	0	0	0	2	0	0	5
SW	1973	0	0	0	0	0	0	0	1	0	1	0	12	15	10	33	16	5	0	0	1	0	0	0	0	10
SUM	=	0	0	0	0	0	0	1	1	1	1	1	12	15	10	33	16	5	0	0	1	0	2	0	0	101
MAXIMUM	=	0	0	0	0	0	0	1	1	1	1	1	8	4	3	17	4	2	0	0	1	0	2	0	0	17

FIRES	D-G	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC	SUM
GEO	AREA	YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	1974	0	0	0	2	0	0	0	0	1	2	0	7	3	3	3	8	7	0	0	0	1	0	1	0	45
E	1974	0	0	0	0	0	0	0	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5
GB	1974	0	0	0	0	0	0	0	0	0	0	0	3	1	2	5	4	1	0	0	0	0	0	0	0	16
N	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	9
PNW	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	0	0	0	0	0	0	0	7
RM	1974	0	0																							

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation - Appendix M

## RETARDANT PLANE-DAYS BY YEAR- FOREST SERVICE

PLANE DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AK 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1975	0	0	0	0	0	0	0	0	0	2	0	4	4	7	9	23	19	2	30	0	0	2	28	2	0	131
E 1975	0	0	0	0	2	0	2	2	7	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	
GB 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	16	
N 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	7	
PNW 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	7	
RM 1975	0	0	0	0	0	0	0	0	0	0	0	2	0	0	5	0	4	0	0	0	0	0	0	0	11	
S 1975	0	0	0	4	5	7	2	4	0	2	0	0	0	0	0	0	0	4	0	0	0	0	0	2	31	
SW 1975	0	0	0	0	0	0	0	0	4	0	5	0	5	0	25	0	0	0	0	0	0	0	0	0	39	
SUM	0	0	0	4	7	7	4	5	13	2	9	5	13	11	62	19	11	34	0	0	2	28	4	2	242	
MAXIMUM	0	0	0	4	5	7	2	4	7	2	5	4	7	9	25	19	4	30	0	0	2	28	4	2	30	

PLANE DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AK 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1976	0	2	0	0	0	2	0	2	0	0	2	19	17	0	2	2	0	0	0	0	0	4	7	2	0	60
E 1976	0	0	0	0	0	2	2	2	0	0	2	0	0	0	9	2	2	0	0	0	0	0	0	0	0	20
GB 1976	0	0	0	0	0	0	0	0	0	0	0	0	4	0	7	7	0	0	0	0	0	0	0	0	18	
N 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4	
PNW 1976	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	17	
RM 1976	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	5	0	0	0	0	0	0	0	13	
S 1976	0	7	5	7	15	5	13	5	0	0	0	0	0	0	4	0	0	0	2	7	0	0	2	2	75	
SW 1976	0	0	0	0	0	0	0	4	0	4	0	42	19	2	0	4	0	0	0	0	0	0	0	0	71	
SUM	0	7	5	7	15	9	15	9	4	0	46	42	27	17	11	27	7	2	0	2	11	7	4	2	278	
MAXIMUM	0	7	5	7	15	5	13	5	4	0	42	19	17	17	7	9	5	2	0	2	7	7	2	2	42	

PLANE DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AK 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1977	0	0	0	2	2	2	0	7	0	0	7	5	0	27	120	0	2	0	0	0	0	2	0	0	0	176
E 1977	0	0	0	0	0	7	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	
GB 1977	0	0	0	0	0	0	0	0	0	0	0	0	7	0	5	5	0	0	0	0	0	0	0	0	18	
N 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	0	0	0	0	0	0	0	0	0	9	
PNW 1977	0	0	0	0	0	0	0	0	0	0	0	7	4	2	25	0	0	0	0	0	0	0	0	0	38	
RM 1977	0	0	0	0	0	0	0	0	0	0	0	2	0	0	5	2	0	0	0	0	0	0	0	0	9	
S 1977	0	0	2	29	5	13	5	4	2	17	5	0	2	2	0	0	0	0	0	0	0	2	2	2	93	
SW 1977	0	0	0	0	0	0	0	0	2	35	0	0	0	0	2	0	0	0	0	0	0	0	0	0	38	
SUM	0	0	2	31	7	22	13	11	4	19	48	15	11	34	163	9	2	0	0	0	2	2	2	2	398	
MAXIMUM	0	0	2	29	5	13	7	7	2	17	35	7	7	27	120	5	2	0	0	0	2	2	2	2	120	

PLANE DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AK 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1978	0	0	0	0	0	0	0	0	0	0	4	2	9	4	11	25	4	0	0	0	0	0	0	0	0	74
E 1978	0	0	0	0	0	0	4	2	4	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	13	
GB 1978	0	0	0	0	0	0	0	0	0	0	0	0	9	0	4	5	2	0	0	0	0	0	0	0	20	
N 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	
PNW 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	2	0	0	0	0	0	0	0	9	
RM 1978	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0	7	
S 1978	0	0	0	5	0	16	29	2	0	4	0	2	4	2	4	2	0	4	2	0	9	20	0	0	101	
SW 1978	0	0	0	0	0	0	0	0	2	0	4	2	4	4	2	2	0	0	0	0	0	0	0	0	18	
SUM	0	0	0	5	0	16	33	4	5	7	5	16	20	16	39	15	9	7	0	20	22	0	0	2	245	
MAXIMUM	0	0	0	5	0	16	29	2	4	4	4	9	9	11	25	5	4	7	0	9	20	0	0	2	29	

PLANE DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1979	0	0	0	0	2	0	0	2	2	34	11	16	13	9	19	69	2	2	4	0	0	0	2	0	186
E 1979	0	0	0	0	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9
GB 1979	0	0	0	0	0	0	0	0	0	0	0	2	21	31	5	2	16	0	0	0	0	0	0	0	77
N 1979	0	0	0	0	0	0	0	0	0	0	0	2	5	4	9	4	0	0	0	0	0	0	0	0	18
PNW 1979	0	0	0	0	0	0	0	0	0	0	0	2	5	7	4	0	0	0	0	0	0	0	0	0	24
RM 1979	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	4
S 1979	0	0	2	0	2	5	2	5	0	0	2	4	0	2	5	2	2	0	0	2	0	7	2	2	40
SW 1979	0	0	0	0	0	0	0	0	4	5	55	22	2	5	2	5	0	0	0	0	0	0	0	0	101
SUM	0	0	2	0	4	7	4	7	4	4	39	73	71	57	35	28	99	2	2	7	0	7	4	2	459
MAXIMUM	0	0	2	0	2	5	2	5	2	4	34	55	22	31	9	19	69	2	2	7	0	7	2	2	69

SIZE CLASS D-G FIRE OCCURRENCE BY YEAR- FOREST SERVICE

FIRES GEO AREA	D-G YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G	
AK	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA	1975	0	0	0	0	0	0	0	0	1	0	2	2	4	5	6	4	1	10	0	0	1	2	1	0	0	39
E	1975	0	0	0	0	1	0	1	1	4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	9
GB	1975	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	2
N	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1
PNW	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	4
RM	1975	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	2	0	0	0	0	0	0	0	6
S	1975	0	0	0	2	3	4	1	2	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	1	1	17
SW	1975	0	0	0	0	0	0	0	0	2	0	3	0	3	0	7	0	0	0	0	0	0	0	0	0	0	15
SUM		0	0	0	2	4	4	2	3	7	1	5	3	7	6	21	4	6	12	0	0	1	2	2	1	93	
MAXIMUM		0	0	0	2	3	4	1	2	4	1	3	2	4	5	7	4	2	10	0	0	1	2	1	1	10	

FIRES GEO AREA	D-G YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G	
AK	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	1976	0	1	0	0	0	1	0	1	0	0	1	4	3	0	1	1	0	0	0	0	0	2	4	1	0	20
E	1976	0	0	0	0	0	1	1	1	0	0	1	0	0	0	5	1	1	0	0	0	0	0	0	0	0	11
GB	1976	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	4	0	0	0	0	0	0	0	0	0	10
N	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
PNW	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
RM	1976	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	3	0	0	0	0	0	0	0	0	7
S	1976	0	4	3	4	8	3	7	3	0	0	0	0	0	0	0	2	0	0	0	1	4	0	1	1	41	
SW	1976	0	0	0	0	0	0	0	0	2	0	10	4	1	0	0	2	0	0	0	0	0	0	0	0	0	19
SUM		0	5	3	4	8	5	8	5	2	0	12	10	8	3	6	15	4	1	0	1	6	4	2	1	113	
MAXIMUM		0	4	3	4	8	3	7	3	2	0	10	4	3	3	4	5	3	1	0	1	4	4	1	1	10	

FIRES GEO AREA	D-G YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G	
AK	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	1977	0	0	0	1	1	1	0	4	0	0	4	3	0	8	20	0	1	0	0	0	0	1	0	0	0	44
E	1977	0	0	0	0	0	4	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
GB	1977	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	3	0	0	0	0	0	0	0	0	0	10
N	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	5
PNW	1977	0	0	0	0	0	0	0	0	0	0	0	4	2	1	7	0	0	0	0	0	0	0	0	0	0	14
RM	1977	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	5
S	1977	0	0	1	16	3	7	3	2	1	3	3	0	0	0	0	1	0	0	0	0	0	0	1	1	1	44
SW	1977	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	1	0	0	0	0	0	0	0	0	0	8
SUM		0	0	1	17	4	12	7	6	2	4	13	8	6	12	37	5	1	0	0	0	1	1	1	1	1	139
MAXIMUM		0	0	1	16	3	7	4	4	1	3	6	4	6	8	20	3	1	0	0	0	1	1	1	1	20	

FIRES GEO AREA	D-G YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G	
AK	1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	1978	0	0	0	0	0	0	0	0	0	2	1	5	2	6	7	2	0	4	0	0	5	0	0	0	0	34
E	1978	0	0	0	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	7
GB	1978	0	0	0	0	0	0	0	0	0	0	0	0	5	0	2	3	1	0	0	0	0	0	0	0	0	11
N	1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
PNW	1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	0	0	0	0	0	5
RM	1978	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	4
S	1978	0	0	0	3	0	9	16	1	0	2	9	1	2	1	0	2	1	0	0	5	11	0	0	1	1	55
SW	1978	0	0	0	0	0	0	0	0	1	0	2	1	2	2	1	1	0	0	0	0	0	0	0	0	0	10
SUM		0	0	0	3	0	9	18	2	3	4	3	9	11	9	15	8	5	4	0	11	12	0	0	1	1	127
MAXIMUM		0	0	0	3	0	9	16	1	2	2	2	5	5	6	7	3	2	4	0	5	11	0	0	1	1	16

FIRES GEO AREA	D-G YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G	
AK	1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	1979	0	0	0	0	1	0	0	0	1	1	12	6	9	7	5	4	18	1	1	1	2	0	0	1	0	69
E	1979	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	5
GB	1979	0	0	0	0	0	0	0	0	0	0	0	1	5	4	3	1	2	0	0	0	0	0	0	0	0	16
N	1979	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	2	0	0	0	0	0	0	0	0	0	10
PNW	1979	0	0	0	0	0	0	0	0	0	0	1	3	4	2	0	0	3	0	0	0	0	0	0	0	0	13
RM	1979	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
S	1979	0	0	1	0	1	3	1	3	0	0	0	1	2	0	1	1	1	0	0	1	0	0	0	0	0	22
SW	1979	0	0	0	0	0	0	0	0	2	3	17	12	12	1	3	1	3	0	0	1	4	0	0	0	0	42
SUM		0	0	1	0	2	4	2	4	2	3	15	27	32	18	19	9	28	1	1	1	4	0	4	2	1	179
MAXIMUM		0	0	1	0	1	3	1	3	1	2	12	17	12	7	5	4	18	1	1	2	0	4	1	1	1	18

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation - Appendix M

**RETARDANT PLANE-DAYS BY YEAR- FOREST SERVICE**

PLANE GEO	DAYS YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1980	0	0	2	0	0	0	7	0	0	2	2	19	46	13	17	7	11	5	4	0	104	4	2	245		
E 1980	0	0	0	0	0	5	4	13	16	2	0	2	4	0	4	0	2	9	0	0	0	0	0	0	0	60
GB 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	0	0	0	0	0	0	0	0	0	0	18
N 1980	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	5
PNW 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	0	0	0	0	0	0	0	7
RM 1980	0	0	0	0	0	0	0	0	0	0	0	7	0	7	4	0	2	0	0	0	0	0	0	0	0	20
S 1980	2	2	0	11	7	5	5	7	2	0	7	0	9	5	7	15	4	4	0	4	33	4	7	2	143	
SW 1980	0	0	0	0	0	0	0	4	4	5	44	2	20	13	2	0	0	0	0	0	0	0	0	0	0	93
SUM	2	2	2	11	7	11	16	20	21	5	15	60	36	30	51	36	13	16	15	7	33	107	11	4	592	
MAXIMUM	2	2	2	11	7	5	7	13	16	4	7	44	19	46	13	17	7	11	9	4	33	104	7	2	104	

PLANE GEO	DAYS YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1981	0	0	0	0	0	0	0	0	0	2	0	18	2	18	16	138	0	44	0	4	0	0	0	0	0	243
E 1981	0	0	0	0	0	4	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
GB 1981	0	0	0	0	0	0	0	0	0	0	0	21	0	56	25	49	0	0	0	0	0	0	0	0	0	151
N 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	2	0	0	0	0	0	0	0	22
PNW 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
RM 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S 1981	4	13	0	18	18	53	26	7	2	5	0	5	0	4	2	0	0	0	0	2	7	9	7	2	183	
SW 1981	0	0	0	0	0	0	0	0	0	0	4	5	0	4	0	0	0	0	0	0	0	0	0	0	0	13
SUM	4	13	0	18	18	57	31	7	4	7	4	47	7	78	43	227	4	44	0	5	7	9	7	2	644	
MAXIMUM	4	13	0	18	18	53	26	7	2	5	4	21	5	56	25	138	2	44	0	4	7	9	7	2	138	

PLANE GEO	DAYS YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1982	0	0	0	0	0	0	0	0	0	4	0	0	0	7	13	15	13	2	4	14	0	0	0	0	0	72
E 1982	0	0	0	0	0	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	11
GB 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	0	0	0	0	0	0	0	0	0	0	2
N 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	5
PNW 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	4
RM 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2	0	0	0	0	0	0	0	0	5
S 1982	0	2	0	7	4	4	7	0	2	4	0	2	4	0	0	0	0	0	0	2	2	4	0	0	0	37
SW 1982	0	0	0	0	0	0	0	0	0	0	2	7	4	0	0	0	0	0	0	0	0	0	0	0	0	13
SUM	0	2	0	7	4	9	7	2	0	5	5	7	5	13	22	15	18	2	4	16	5	4	0	0	153	
MAXIMUM	0	2	0	7	4	5	7	2	0	4	4	4	7	13	15	13	2	4	4	16	5	4	0	0	15	

PLANE GEO	DAYS YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1983	0	0	0	0	0	0	0	0	2	4	4	16	9	5	2	0	0	0	0	0	0	0	0	0	0	42
E 1983	0	0	0	0	0	7	2	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	13
GB 1983	0	0	0	0	0	0	0	0	0	0	0	2	9	2	0	2	0	2	0	0	0	0	0	0	0	24
N 1983	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	2	0	0	0	0	0	0	0	0	0	9
PNW 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	5
RM 1983	0	0	0	0	0	0	0	0	0	0	0	0	5	0	2	0	4	0	0	0	0	0	0	0	0	11
S 1983	2	0	0	7	9	5	0	9	7	0	0	0	0	0	0	0	0	2	0	2	0	2	0	0	0	46
SW 1983	0	0	0	0	0	0	0	0	0	4	4	5	9	2	0	0	0	0	0	0	0	0	0	0	0	24
SUM	2	0	0	7	9	13	2	9	7	5	7	11	44	24	11	7	7	2	0	2	2	2	2	0	0	174
MAXIMUM	2	0	0	7	9	7	2	9	7	4	4	5	16	9	5	4	4	2	0	2	2	2	0	0	16	

PLANE GEO	DAYS YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1984	0	4	0	0	0	0	0	2	5	30	2	2	23	2	20	2	4	11	0	2	4	0	0	0	0	112
E 1984	0	0	0	0	0	0	4	5	4	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	22
GB 1984	0	0	0	0	0	0	0	0	0	0	0	7	7	5	2	5	2	0	0	0	0	0	0	0	0	29
N 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	4	13	32	0	0	0	0	0	0	0	0	0	49
PNW 1984	0	0	0	0	0	0	0	0	0	0	0	0	4	2	4	2	0	0	0	0	0	0	0	0	0	11
RM 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	2	0	0	0	0	0	0	0	0	0	9
S 1984	4	0	4	2	0	2	0	13	4	2	4	2	4	2	0	0	0	2	0	2	0	2	0	7	48	
SW 1984	0	0	0	0	0	0	0	0	0	16	4	13	38	35	15	0	4	0	0	0	0	0	0	0	0	125
SUM	4	4	4	2	0	2	4	20	15	52	9	24	72	49	59	43	9	13	0	5	5	2	0	7	404	
MAXIMUM	4	4	4	2	0	2	4	13	5	30	4	13	38	35	20	32	4	11	0	2	4	2	0	7	38	



**RETARDANT PLANE-DAYS BY YEAR- FOREST SERVICE**

PLANE GEO	DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1985	0	0	0	0	0	0	0	0	0	5	0	21	37	80	9	9	5	4	2	4	17	0	0	0	2	195
E 1985	0	0	0	0	0	2	7	7	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
GB 1985	0	0	0	0	0	0	0	0	0	0	0	29	92	2	0	9	0	0	0	0	0	0	0	0	0	132
N 1985	0	0	0	0	0	0	0	0	0	0	0	0	5	5	11	0	4	0	0	0	0	0	0	0	0	94
PNW 1985	0	0	0	0	0	0	0	0	0	0	0	0	7	38	7	0	2	4	0	0	0	0	0	0	0	26
RM 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
S 1985	0	2	2	7	11	16	26	7	2	9	2	11	26	4	2	4	4	0	0	0	0	0	0	0	2	93
SW 1985	0	0	0	0	0	0	0	0	0	0	0	0	9	2	11	26	38	0	4	4	0	0	0	0	0	84
SUM	0	2	2	7	11	18	33	15	9	11	32	108	315	62	13	29	7	2	4	17	0	0	0	4	702	
MAXIMUM	0	2	2	7	11	16	26	7	5	9	21	37	92	29	9	9	4	2	4	17	0	0	0	2	92	

PLANE GEO	DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1986	0	0	0	0	0	0	0	0	0	0	0	4	2	15	9	15	11	16	0	0	2	5	0	0	0	78
E 1986	0	0	0	0	0	24	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
GB 1986	0	0	0	0	0	0	0	0	0	0	0	0	5	5	2	136	4	43	0	0	0	0	0	0	0	195
N 1986	0	0	0	0	0	0	0	0	0	0	0	0	2	52	0	0	0	0	0	0	0	0	0	0	0	54
PNW 1986	0	0	0	0	0	0	0	0	0	0	0	0	4	2	4	178	7	0	0	0	0	0	0	0	0	194
RM 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	5	0	0	0	0	0	0	0	0	7
S 1986	7	13	0	4	20	33	16	13	13	2	2	2	2	2	7	0	0	0	0	0	0	0	0	0	2	134
SW 1986	0	0	0	0	0	0	0	0	22	2	2	5	0	0	2	2	2	0	0	0	0	0	0	0	0	37
SUM	7	13	0	4	20	57	18	15	38	4	5	20	76	24	330	29	61	0	0	2	5	0	0	2	730	
MAXIMUM	7	13	0	4	20	33	16	13	22	2	4	5	52	9	178	11	43	0	0	2	5	0	0	2	178	

PLANE GEO	DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1987	0	0	2	0	0	0	2	0	2	0	11	7	19	2	5	13	541	17	19	0	0	0	0	0	0	641
E 1987	0	0	0	0	0	5	15	15	5	0	2	0	0	0	0	0	0	0	2	0	0	13	0	0	0	57
GB 1987	0	0	0	0	0	0	0	0	0	0	0	19	7	17	21	61	9	0	0	0	0	0	0	0	0	136
N 1987	0	0	0	0	0	0	0	0	0	0	0	0	4	5	0	5	36	0	0	0	0	0	0	0	0	50
PNW 1987	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	17	102	0	0	0	0	0	0	0	0	126
RM 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	7	4	2	7	0	0	0	0	0	0	0	0	20
S 1987	0	4	4	0	7	16	9	7	4	0	4	0	4	0	2	5	2	0	0	2	91	5	13	0	0	175
SW 1987	0	0	0	0	0	0	0	0	4	0	4	54	18	24	4	2	4	4	0	0	0	0	0	0	0	113
SUM	0	4	5	0	7	22	26	22	15	0	71	49	58	36	51	192	599	17	21	2	103	5	13	0	1318	
MAXIMUM	0	4	4	0	7	16	15	15	5	0	54	19	24	17	21	102	541	17	19	2	91	5	13	0	541	

PLANE GEO	DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1988	0	0	0	0	0	4	0	0	2	0	9	11	15	46	15	0	13	29	7	0	0	0	0	0	0	159
E 1988	0	0	0	0	0	27	7	7	16	0	9	0	4	2	0	0	0	0	0	0	0	0	0	0	0	73
GB 1988	0	0	0	0	0	0	0	0	0	0	0	21	66	46	39	90	72	0	0	0	0	0	0	0	0	325
N 1988	0	0	0	0	0	0	0	0	0	0	0	88	52	46	157	113	48	0	0	0	0	0	0	0	0	503
PNW 1988	0	0	0	0	0	0	0	0	0	0	0	0	2	0	9	17	38	28	0	0	0	0	0	0	0	94
RM 1988	0	0	0	0	0	0	0	0	0	0	0	0	4	50	15	0	5	11	0	0	0	0	0	0	0	85
S 1988	2	11	7	46	20	46	7	11	11	7	7	16	7	0	4	2	0	2	0	0	5	2	0	0	0	214
SW 1988	0	0	0	0	0	0	0	0	4	11	21	16	27	4	0	0	0	2	0	0	0	0	0	0	0	84
SUM	2	11	7	46	20	77	15	18	33	18	47	159	221	167	223	248	171	33	7	0	5	2	9	0	1540	
MAXIMUM	2	11	7	46	20	46	7	11	16	11	21	88	66	46	157	113	72	29	7	0	5	2	9	0	157	

PLANE GEO	DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1989	2	0	0	0	0	0	2	0	0	4	4	19	22	47	7	2	11	0	0	0	0	0	2	0	0	121
E 1989	0	0	0	0	0	7	7	9	2	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	40
GB 1989	0	0	0	0	0	0	0	0	0	0	0	4	40	205	0	4	4	0	0	0	0	0	0	0	0	257
N 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	4	27	0	0	5	0	0	0	0	0	0	0	36
PNW 1989	0	0	0	0	0	0	0	0	0	0	0	0	7	88	5	0	2	0	0	0	0	0	0	0	0	103
RM 1989	0	0	0	0	0	0	0	0	0	0	0	5	7	5	0	2	5	0	0	0	0	0	0	0	0	26
S 1989	0	2	7	7	15	22	2	25	2	0	0	0	0	2	0	0	0	0	0	4	9	9	4	4	113	
SW 1989	0	0	0	0	0	0	0	0	9	16	34	23	49	4	2	0	2	0	0	0	0	0	0	0	0	139
SUM	2	2	7	7	15	29	11	34	13	20	38	51	130	378	15	7	29	0	0	4	24	11	4	4	834	
MAXIMUM	2	2	7	7	15	22	7	25	9	16	34	23	49	205	7	4	11	0	0	4	15	9	4	4	205	

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation - Appendix M

SIZE CLASS D-G FIRE OCCURRENCE BY YEAR- FOREST SERVICE

FIRES D-G GEO AREA YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1985	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1985	0	0	0	0	0	0	0	0	0	0	5	7	11	5	5	3	2	1	2	3	0	0	0	1	48
E 1985	0	0	0	0	0	1	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
GB 1985	0	0	0	0	0	0	0	0	0	0	0	3	11	1	0	5	0	0	0	0	0	0	0	0	20
N 1985	0	0	0	0	0	0	0	0	0	0	0	0	3	13	16	0	3	0	0	0	0	0	0	0	32
PNW 1985	0	0	0	0	0	0	0	0	0	0	0	3	3	6	0	2	0	0	0	0	0	0	0	0	14
RM 1985	0	0	0	0	0	0	0	0	0	0	0	4	8	4	0	1	2	0	0	0	0	0	0	0	19
S 1985	0	1	1	4	6	9	14	4	1	5	0	2	1	2	0	0	0	0	0	0	0	0	0	1	51
SW 1985	0	0	0	0	0	0	0	0	0	1	6	14	21	0	2	2	0	0	0	0	0	0	0	0	46
SUM	0	1	1	4	6	10	18	8	5	6	11	33	68	34	7	16	4	1	2	3	0	0	0	2	240
MAXIMUM	0	1	1	4	6	9	14	4	5	6	6	14	21	16	5	5	2	1	2	3	0	0	0	1	21

FIRES D-G GEO AREA YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1986	0	0	0	0	0	0	0	0	0	0	2	1	8	5	8	6	2	0	0	1	3	0	0	0	36
E 1986	0	0	0	0	13	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
GB 1986	0	0	0	0	0	0	0	0	0	0	0	3	3	1	35	2	4	0	0	0	0	0	0	0	48
N 1986	0	0	0	0	0	0	0	0	0	0	1	22	0	1	2	45	4	0	0	0	0	0	0	0	23
PNW 1986	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	4	0	0	0	0	0	0	0	0	54
RM 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	4
S 1986	4	7	0	2	11	18	9	7	7	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	73
SW 1986	0	0	0	0	0	0	0	0	0	12	1	1	3	0	0	1	1	1	0	0	0	0	0	0	20
SUM	4	7	0	2	11	31	10	8	21	2	3	11	35	13	89	16	7	0	0	1	3	0	0	1	275
MAXIMUM	4	7	0	2	11	18	9	7	12	1	2	3	22	5	45	6	4	0	0	1	3	0	0	1	45

FIRES D-G GEO AREA YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1987	0	0	1	0	0	0	1	9	1	0	6	4	4	1	3	7	87	3	4	0	0	0	0	0	122
E 1987	0	0	0	0	0	3	8	8	3	0	1	0	0	0	0	0	0	0	1	0	7	0	0	0	31
GB 1987	0	0	0	0	0	0	0	0	0	0	0	4	4	3	5	14	5	0	0	0	0	0	0	0	35
N 1987	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	3	13	0	0	0	0	0	0	0	21
PNW 1987	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2	36	0	0	0	0	0	0	0	0	43
RM 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	1	4	0	0	0	0	0	0	0	11
S 1987	0	2	2	0	4	9	5	4	2	0	2	0	0	0	1	3	1	0	0	1	43	3	7	0	89
SW 1987	0	0	0	0	0	0	0	0	2	0	23	10	13	2	1	2	2	0	0	0	0	0	0	0	55
SUM	0	2	3	0	4	12	14	12	8	0	32	20	25	13	15	66	112	3	5	1	50	3	7	0	407
MAXIMUM	0	2	2	0	4	9	8	8	3	0	23	10	13	4	15	36	87	3	4	1	43	3	7	0	87

FIRES D-G GEO AREA YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1988	0	0	0	0	0	2	0	0	1	0	5	6	8	12	8	0	7	3	4	0	0	0	0	5	61
E 1988	0	0	0	0	15	4	4	9	0	5	0	2	1	0	0	0	0	0	0	0	0	0	0	0	40
GB 1988	0	0	0	0	0	0	0	0	0	0	5	10	12	10	10	7	0	0	0	0	0	0	0	0	54
N 1988	0	0	0	0	0	0	0	0	0	0	0	9	9	12	27	16	13	0	0	0	0	0	0	0	86
PNW 1988	0	0	0	0	0	0	0	0	0	0	0	1	0	5	3	8	2	0	0	0	0	0	0	0	19
RM 1988	0	0	0	0	0	0	0	0	0	0	0	2	8	8	0	3	6	0	0	0	0	0	0	0	27
S 1988	1	6	4	25	11	25	4	6	6	4	4	9	4	0	2	1	0	1	0	0	3	1	0	0	117
SW 1988	0	0	0	0	0	0	0	0	2	6	5	9	8	2	8	0	0	1	0	0	0	0	0	0	33
SUM	1	6	4	25	11	42	8	10	18	10	19	41	49	52	50	38	35	5	4	0	3	1	5	0	437
MAXIMUM	1	6	4	25	11	25	4	6	9	6	5	9	10	12	27	16	13	3	4	0	3	1	5	0	27

FIRES D-G GEO AREA YEAR	JAN 1 D-G	JAN 2 D-G	FEB 1 D-G	FEB 2 D-G	MAR 1 D-G	MAR 2 D-G	APR 1 D-G	APR 2 D-G	MAY 1 D-G	MAY 2 D-G	JUN 1 D-G	JUN 2 D-G	JUL 1 D-G	JUL 2 D-G	AUG 1 D-G	AUG 2 D-G	SEP 1 D-G	SEP 2 D-G	OCT 1 D-G	OCT 2 D-G	NOV 1 D-G	NOV 2 D-G	DEC 1 D-G	DEC 2 D-G	SUM D-G
AK 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1989	1	0	0	0	0	0	1	0	2	2	4	12	6	4	1	6	0	0	0	0	0	1	0	0	40
E 1989	0	0	0	0	0	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	22
GB 1989	0	0	0	0	0	0	0	0	0	0	0	2	9	47	0	2	2	0	0	0	0	0	0	0	62
N 1989	0	0	0	0	0	0	0	0	0	0	0	0	2	8	0	0	3	0	0	0	0	0	0	0	13
PNW 1989	0	0	0	0	0	0	0	0	0	0	0	0	4	22	3	0	1	0	0	0	0	0	0	0	30
RM 1989	0	0	0	0	0	0	0	0	0	0	3	4	3	0	1	3	0	0	0	0	5	5	2	2	14
S 1989	0	1	4	4	8	12	1	7	1	0	0	0	0	1	0	0	0	0	2	5	0	0	2	2	55
SW 1989	0	0	0	0	0	0	0	5	9	12	6	14	2	1	0	1	0	0	0	0	0	0	0	0	50
SUM	1	1	4	4	8	16	6	12	7	11	14	15	45	89	8	4	16	0	2	13	6	2	2	2	286
MAXIMUM	1	1	4	4	8	12	4	7	5	9	12	6	14	47	4	2	6	0	0	2	8	5	2	2	47

**RETARDANT PLANE-DAYS BY YEAR- FOREST SERVICE**

PLANE DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1990	0	0	0	0	0	0	2	2	0	0	18	7	5	112	4	7	0	2	4	2	0	0	0	0	163
E 1990	0	0	0	0	0	2	4	2	0	2	0	0	0	0	0	0	0	0	0	0	4	0	0	0	13
GB 1990	0	0	0	0	0	0	0	0	0	0	0	2	5	11	72	0	2	0	0	0	0	0	0	0	93
N 1990	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	7	0	0	0	0	0	0	0	15
PNW 1990	0	0	0	0	0	0	0	0	0	0	0	13	13	82	0	2	0	0	0	0	0	0	0	0	109
RM 1990	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	16	0	0	0	0	0	0	0	21
S 1990	5	0	5	2	4	5	0	4	4	4	2	0	0	0	0	4	5	7	4	0	2	4	11	2	75
SW 1990	0	0	0	0	0	0	0	0	4	4	5	7	49	0	2	2	0	2	0	0	0	0	0	0	71
SUM	5	0	5	2	4	7	5	5	7	11	9	75	29	31	275	9	43	4	2	5	9	11	2	2	560
MAXIMUM	5	0	5	2	4	5	4	4	4	5	7	49	13	13	112	5	16	4	2	4	4	11	2	2	112

PLANE DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1991	0	11	0	0	0	0	2	2	0	0	2	5	5	2	4	2	4	0	0	2	0	5	0	0	46	
E 1991	0	0	0	0	0	18	0	2	2	4	0	2	0	0	2	0	0	0	0	0	0	4	0	0	33	
GB 1991	0	0	0	0	0	0	0	0	0	0	0	2	2	19	28	2	0	0	0	0	0	0	0	0	53	
N 1991	0	0	0	0	0	0	0	0	0	0	0	14	0	5	13	4	0	0	0	0	0	0	0	0	36	
PNW 1991	0	0	0	0	0	0	0	0	0	0	0	2	4	7	7	4	0	0	0	0	0	0	0	0	22	
RM 1991	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	2	0	0	0	0	0	0	0	15	
S 1991	0	0	2	4	9	13	0	0	0	0	0	2	0	2	0	0	0	0	0	37	22	5	0	5	101	
SW 1991	0	0	0	0	0	0	0	0	7	4	2	7	5	2	0	0	0	0	0	0	0	0	0	0	27	
SUM	0	11	2	4	9	31	2	4	9	7	2	13	32	16	41	52	13	4	0	38	22	15	0	5	332	
MAXIMUM	0	11	2	4	9	18	2	2	7	4	2	7	14	5	19	28	4	4	0	37	22	5	0	5	37	

PLANE DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1992	0	0	0	0	0	0	0	0	0	2	13	13	4	7	34	54	4	23	2	0	0	0	0	0	155	
E 1992	0	0	0	0	0	0	0	0	2	2	0	14	0	0	0	0	0	0	0	0	0	0	0	0	17	
GB 1992	0	0	0	0	0	0	0	0	0	0	0	2	4	9	60	98	2	0	0	0	0	0	0	0	174	
N 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	54	0	0	0	0	0	0	0	0	63	
PNW 1992	0	0	0	0	0	0	0	0	0	0	0	7	2	0	19	15	0	0	0	0	0	0	0	0	43	
RM 1992	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	2	0	0	0	0	0	0	5	
S 1992	0	0	5	9	4	5	13	7	7	5	0	0	5	2	0	2	0	0	0	0	0	0	0	0	68	
SW 1992	0	0	0	0	0	0	0	0	0	0	17	21	7	4	16	0	0	0	0	0	0	0	0	0	66	
SUM	0	0	5	9	4	5	13	7	9	9	30	57	26	22	140	223	5	25	2	0	0	0	0	0	592	
MAXIMUM	0	0	5	9	4	5	13	7	7	5	17	21	7	9	60	98	4	23	2	0	0	0	0	0	98	

PLANE DAYS	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1993	0	0	0	0	0	0	0	0	11	0	0	9	5	0	4	7	0	21	2	47	4	4	0	0	114	
E 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GB 1993	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	2	5	0	0	0	0	0	0	0	13	
N 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PNW 1993	0	0	0	0	0	0	0	0	0	0	0	2	0	2	4	0	0	0	0	0	0	0	0	0	7	
RM 1993	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	2	0	0	0	0	0	0	0	0	5	
S 1993	0	0	0	0	0	2	4	4	2	2	2	2	2	0	4	2	0	0	0	0	0	0	0	0	24	
SW 1993	0	0	0	0	0	0	0	0	0	75	36	11	9	5	7	5	0	0	0	0	0	0	0	0	149	
SUM	0	0	0	0	0	2	4	4	13	77	38	24	20	9	18	20	7	21	2	47	4	4	0	0	312	
MAXIMUM	0	0	0	0	0	2	4	4	11	75	36	11	9	5	7	7	5	21	2	47	4	4	0	0	75	



Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation - Appendix M

SIZE CLASS D-G FIRE OCCURRENCE BY YEAR- FOREST SERVICE

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM D-G
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1990	0	0	0	0	0	0	1	0	0	0	0	10	4	3	22	2	4	0	1	2	1	0	0	0	50
E 1990	0	0	0	0	0	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	7
GB 1990	0	0	0	0	0	0	0	0	0	0	1	3	6	20	0	1	0	0	0	0	0	0	0	0	31
N 1990	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	4	0	0	0	0	0	0	0	8
PNW 1990	0	0	0	0	0	0	0	0	0	0	0	7	7	12	0	1	0	0	0	0	0	0	0	0	27
RM 1990	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	5
S 1990	3	0	3	1	2	3	0	2	2	2	1	0	0	0	2	3	4	2	1	2	6	1	1	1	41
SW 1990	0	0	0	0	0	0	0	0	2	3	4	14	0	1	1	0	1	0	0	0	0	0	0	0	26
SUM	3	0	3	1	2	4	3	3	4	6	5	28	16	17	59	5	17	2	1	3	5	6	1	1	195
MAXIMUM	3	0	3	1	2	3	2	2	2	3	4	14	7	7	22	3	4	2	1	2	2	6	1	1	22

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM D-G	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1991	0	6	0	0	0	0	1	1	0	0	0	0	1	3	3	1	2	1	2	0	1	0	3	0	25	
E 1991	0	0	0	0	0	10	0	1	1	2	0	1	0	0	1	0	0	0	0	0	0	2	0	0	18	
GB 1991	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	1	0	0	0	0	0	0	0	0	16	
N 1991	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	7	2	0	0	0	0	0	0	0	13	
PNW 1991	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	2	0	0	0	0	0	0	0	12	
RM 1991	0	0	0	0	0	0	0	0	0	0	0	0	2	1	4	0	1	0	0	0	0	0	0	0	8	
S 1991	0	0	1	2	5	7	0	0	0	0	0	1	0	1	0	0	0	0	0	20	12	3	0	3	55	
SW 1991	0	0	0	0	0	0	0	0	4	2	1	4	3	1	0	0	0	0	0	0	0	0	0	0	15	
SUM	0	6	1	2	5	17	1	2	5	4	1	7	11	9	16	22	7	2	0	21	12	8	0	3	162	
MAXIMUM	0	6	1	2	5	10	1	1	4	2	1	4	3	3	4	9	2	2	0	20	12	3	0	3	20	

FIRES D-F	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM D-G	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1992	0	0	0	0	0	0	0	0	1	7	7	2	4	12	10	2	6	1	0	0	0	0	0	0	52	
E 1992	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
GB 1992	0	0	0	0	0	0	0	0	0	0	1	2	5	13	21	1	0	0	0	0	0	0	0	0	43	
N 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	0	0	0	0	0	0	0	0	15	
PNW 1992	0	0	0	0	0	0	0	0	0	0	0	4	1	0	4	8	0	0	0	0	0	0	0	0	17	
RM 1992	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3	
S 1992	0	0	3	5	2	3	7	4	4	3	0	3	1	0	1	0	1	0	1	0	0	0	0	0	37	
SW 1992	0	0	0	0	0	0	0	0	0	0	3	5	4	2	9	0	0	0	0	0	0	0	0	0	23	
SUM	0	0	3	5	2	3	7	4	5	5	10	18	14	12	44	50	3	7	1	0	0	0	0	0	193	
MAXIMUM	0	0	3	5	2	3	7	4	4	3	7	7	4	5	13	21	2	6	1	0	0	0	0	0	21	

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM D-G	
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CA 1993	0	0	0	0	0	0	0	0	0	6	0	5	3	0	2	4	0	5	1	6	2	2	0	0	36	
E 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GB 1993	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	3	0	0	0	0	0	0	0	7	
N 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PNW 1993	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	4	
RM 1993	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3	
S 1993	0	0	0	0	1	2	2	1	1	1	1	0	1	1	0	2	1	0	0	0	0	0	0	0	13	
SW 1993	0	0	0	0	0	0	0	0	15	13	6	5	3	4	3	0	0	0	0	0	0	0	0	0	49	
SUM	0	0	0	0	1	2	2	7	16	14	13	11	5	10	11	4	5	1	6	2	2	0	0	0	112	
MAXIMUM	0	0	0	0	1	2	2	6	15	13	6	5	3	4	4	3	5	1	6	2	2	0	0	0	15	

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY GEOGRAPHIC AREA - FOREST SERVICE

PLANE GEO	DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
		D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AK	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES GEO	D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
		D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AK	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX D-G		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
AK 1970	0	0	0	0	0	0	0	0	0	0	0	0
AK 1971	0	0	0	0	0	0	0	0	0	0	0	0
AK 1972	0	0	0	0	0	0	0	0	0	0	0	0
AK 1973	0	0	0	0	0	0	0	0	0	0	0	0
AK 1974	0	0	0	0	0	0	0	0	0	0	0	0
AK 1975	0	0	0	0	0	0	0	0	0	0	0	0
AK 1976	0	0	0	0	0	0	0	0	0	0	0	0
AK 1977	0	0	0	0	0	0	0	0	0	0	0	0
AK 1978	0	0	0	0	0	0	0	0	0	0	0	0
AK 1979	0	0	0	0	0	0	0	0	0	0	0	0
AK 1980	0	0	0	0	0	0	0	0	0	0	0	0
AK 1981	0	0	0	0	0	0	0	0	0	0	0	0
AK 1982	0	0	0	0	0	0	0	0	0	0	0	0
AK 1983	0	0	0	0	0	0	0	0	0	0	0	0
AK 1984	0	0	0	0	0	0	0	0	0	0	0	0
AK 1985	0	0	0	0	0	0	0	0	0	0	0	0
AK 1986	0	0	0	0	0	0	0	0	0	0	0	0
AK 1987	0	0	0	0	0	0	0	0	0	0	0	0
AK 1988	0	0	0	0	0	0	0	0	0	0	0	0
AK 1989	0	0	0	0	0	0	0	0	0	0	0	0
AK 1990	0	0	0	0	0	0	0	0	0	0	0	0
AK 1991	0	0	0	0	0	0	0	0	0	0	0	0
AK 1992	0	0	0	0	0	0	0	0	0	0	0	0
AK 1993	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM =	0	0	0	0	0	0	0	0	0	0	0	0
MAX D-F =	0	0	0	0	0	0	0	0	0	0	0	0
MAX G =	0	0	0	0	0	0	0	0	0	0	0	0

GEO AREA YEAR	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
AK 1970	0	0	0	0	0	0	0	0	0	0	0	0
AK 1971	0	0	0	0	0	0	0	0	0	0	0	0
AK 1972	0	0	0	0	0	0	0	0	0	0	0	0
AK 1973	0	0	0	0	0	0	0	0	0	0	0	0
AK 1974	0	0	0	0	0	0	0	0	0	0	0	0
AK 1975	0	0	0	0	0	0	0	0	0	0	0	0
AK 1976	0	0	0	0	0	0	0	0	0	0	0	0
AK 1977	0	0	0	0	0	0	0	0	0	0	0	0
AK 1978	0	0	0	0	0	0	0	0	0	0	0	0
AK 1979	0	0	0	0	0	0	0	0	0	0	0	0
AK 1980	0	0	0	0	0	0	0	0	0	0	0	0
AK 1981	0	0	0	0	0	0	0	0	0	0	0	0
AK 1982	0	0	0	0	0	0	0	0	0	0	0	0
AK 1983	0	0	0	0	0	0	0	0	0	0	0	0
AK 1984	0	0	0	0	0	0	0	0	0	0	0	0
AK 1985	0	0	0	0	0	0	0	0	0	0	0	0
AK 1986	0	0	0	0	0	0	0	0	0	0	0	0
AK 1987	0	0	0	0	0	0	0	0	0	0	0	0
AK 1988	0	0	0	0	0	0	0	0	0	0	0	0
AK 1989	0	0	0	0	0	0	0	0	0	0	0	0
AK 1990	0	0	0	0	0	0	0	0	0	0	0	0
AK 1991	0	0	0	0	0	0	0	0	0	0	0	0
AK 1992	0	0	0	0	0	0	0	0	0	0	0	0
AK 1993	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM =	0	0	0	0	0	0	0	0	0	0	0	0
MAX D-F =	0	0	0	0	0	0	0	0	0	0	0	0
MAX G =	0	0	0	0	0	0	0	0	0	0	0	0

SIZE  
D-F  
24 YR  
AVG/MAX  
-----  
0.0  
0.0

SIZE  
G  
24 YR  
AVG/MAX  
-----  
0.0  
0.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY GEOGRAPHIC AREA - FOREST SERVICE

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM	
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G		D-G
CA 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	181	
CA 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	
CA 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	
CA 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	
CA 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	
CA 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	
CA 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	
CA 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	176	
CA 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	
CA 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186	
CA 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	245	
CA 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	243	
CA 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	
CA 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	
CA 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	
CA 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	195	
CA 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	
CA 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	641	
CA 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	
CA 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	
CA 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163	
CA 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	
CA 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155	
CA 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	
AVERAGE	0.2	0.7	0.2	0.2	0.2	0.2	0.3	0.7	0.6	1.8	2.3	5.1	10.9	13.2	13.2	22.1	16.3	30.4	14.8	2.7	5.3	1.8	6.2	0.8	0.2	150.1
MAXIMUM	2	11	2	2	4	2	4	7	7	11	30	34	38	80	47	120	138	541	44	19	47	5	104	9	2	541

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM	
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G		D-G
CA 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	
CA 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	
CA 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	
CA 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	
CA 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	
CA 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	
CA 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
CA 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	
CA 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	
CA 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	
CA 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	
CA 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
CA 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	
CA 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	
CA 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	
CA 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	
CA 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	
CA 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	
CA 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	
CA 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	
CA 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	
CA 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	
CA 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	
CA 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	
AVERAGE	0.1	0.4	0.1	0.1	0.1	0.1	0.2	0.4	0.3	1.0	1.0	2.3	4.3	4.8	4.8	6.9	4.0	6.8	3.8	0.9	1.3	0.7	1.0	0.5	0.1	45.6
MAX D-G=	1	6	1	2	1	2	4	4	6	10	12	10	12	12	12	22	17	67	11	4	6	3	11	5	1	87.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRE D-G GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		SEPTEMBER	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
CA 1970	1	1	1	2	1	1	1	1	1	1	1	1	1	2
CA 1971	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1972	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1973	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1974	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1975	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1976	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1977	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1978	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1979	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1980	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1981	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1982	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1983	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1984	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1985	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1986	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1987	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1988	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1989	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1990	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1991	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1992	1	1	1	1	1	1	1	1	1	1	1	1	1	2
CA 1993	1	1	1	1	1	1	1	1	1	1	1	1	1	2
AVERAGE	0.4	0.0	0.3	0.0	1.0	0.0	0.9	0.0	2.2	0.1	4.1	0.3	4.4	0.4
MAXIMUM	4	0	4	0	6	0	9	1	11	1	10	2	12	5
MAX D-F	4	0	4	0	6	0	9	1	11	1	10	2	12	5
MAX G	0	0	0	0	0	1	1	1	1	1	1	1	1	1

GEO AREA YEAR	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
CA 1970	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1971	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1972	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1973	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1974	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1975	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1976	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1977	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1978	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1979	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1980	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1981	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1982	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1983	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1984	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1985	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1986	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1987	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1988	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1989	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1990	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1991	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1992	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CA 1993	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AVERAGE	0.8	0.1	1.0	0.3	0.7	0.0	0.6	0.4	0.5	0.0	0.1	0.0	0.1	0.0
MAXIMUM	4	1	5	3	3	0	4	7	5	0	1	0	1	0
MAX D-F	4	1	5	3	3	0	4	7	5	0	1	0	1	0
MAX G	1	1	1	1	1	1	1	1	1	1	1	1	1	1

SIZE  
D-F  
24 YR  
AVG/MAX  
-----  
40.0  
55.0

SIZE  
G  
24 YR  
AVG/MAX  
-----  
5.6  
32.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY GEOGRAPHIC AREA - FOREST SERVICE

PLANE DAYS GEO AREA YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G
	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	
E 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
E 1971	0	0	0	13	0	0	0	5	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	24
E 1972	0	0	0	0	2	0	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
E 1973	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
E 1974	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	9
E 1975	0	0	0	0	0	0	0	2	2	7	0	0	0	0	0	0	0	0	0	0	0	0	2	0	18
E 1976	0	0	0	2	4	2	2	2	2	0	0	0	0	0	9	2	2	0	0	0	0	0	0	0	31
E 1977	0	0	0	0	0	2	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
E 1978	0	0	0	0	0	0	4	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	15
E 1979	0	0	0	0	0	2	2	2	2	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	13
E 1980	0	0	0	0	0	5	4	13	16	2	0	0	0	0	0	0	0	2	9	0	0	0	0	0	55
E 1981	0	0	0	0	0	5	4	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	20
E 1982	0	0	0	0	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	13
E 1983	0	0	0	0	0	0	7	2	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	13
E 1984	0	0	0	0	0	0	0	0	5	4	0	0	0	0	0	0	0	0	0	2	2	0	0	0	22
E 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
E 1986	0	4	0	0	0	2	24	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
E 1987	0	0	0	4	0	7	5	15	15	5	0	2	0	0	0	0	0	0	2	2	11	0	0	0	68
E 1988	0	0	0	0	0	0	27	7	16	0	9	0	4	2	0	0	0	0	0	0	0	0	0	0	91
E 1989	0	0	0	0	0	0	7	9	12	0	0	0	0	0	0	0	0	0	0	0	15	2	4	0	46
E 1990	4	0	0	4	0	0	2	4	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	22
E 1991	0	0	0	2	0	4	18	0	2	4	0	2	0	0	0	0	0	0	0	0	0	0	4	2	22
E 1992	0	0	0	2	5	4	0	0	2	2	0	14	0	0	0	0	0	0	0	0	0	0	0	0	40
E 1993	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
AVERAGE	0.2	0.2	0.5	2.4	0.5	3.2	3.7	3.4	3.7	3.2	0.8	0.6	0.7	0.3	0.2	0.4	0.4	0.1	0.2	0.5	0.3	1.6	0.6	0.5	26.4
MAXIMUM	4	4	4	4	4	15	15	15	15	15	4	9	14	4	2	4	9	2	2	9	2	15	4	4	27

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G GEO AREA YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G
	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	D-G	1	
E 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
E 1971	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
E 1972	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	9
E 1973	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
E 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5
E 1975	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	1	0	0	10
E 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
E 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
E 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	8
E 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
E 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
E 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
E 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
E 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
E 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
E 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
E 1986	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
E 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
E 1988	0	1	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	44
E 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
E 1990	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
E 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
E 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
E 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AVERAGE	0.1	0.1	0.3	0.3	0.3	1.3	2.8	1.8	2.0	1.5	0.5	0.3	0.1	0.2	0.2	0.2	0.0	0.1	0.3	0.2	0.9	0.3	0.3	0.1	13.9
MAX D-G	2	2	2	2	2	7	15	8	8	9	5	1	2	1	2	5	1	1	5	1	8	2	2	1	15.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH			
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G		
E 1970	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1971	2	3	3	2	2	1	2	2	1	2	2	1	1	2	2	1	2	2	1	2	2	1	2	2		
E 1972	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1973	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1974	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1975	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1976	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1977	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1978	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1979	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1980	2	7	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
E 1981	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1982	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1983	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1984	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
E 1985	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
E 1986	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1987	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
E 1988	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
E 1989	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
E 1990	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1991	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1992	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E 1993	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
AVERAGE = 1.8 0.0 2.0 0.0 1.5 0.0 0.5 0.0 0.3 0.0 0.1 0.0 0.2 0.0 0.1 0.0 0.2 0.0 0.0 0.2 0.0 0.0 0.0 0.0 0.1 0.0																										
MAXIMUM = 8 0 8 0 9 1 2 0 5 0 1 1 2 0 1 1 2 0 5 0 1 0 2 0 5 0 1 0 1 0																										
MAX D-F = 8 0 8 0 9 1 2 0 5 0 1 1 2 0 1 1 2 0 5 0 1 0 2 0 5 0 1 0 1 0																										
MAX G = 0 0 0 0 0 1 0																										

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY GEOGRAPHIC AREA - FOREST SERVICE

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM		
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
GB 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
GB 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
GB 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
GB 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
GB 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
GB 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
GB 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
GB 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
GB 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
GB 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
GB 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
GB 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
GB 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
GB 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	176
GB 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
GB 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
GB 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
GB 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	138
GB 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	195
GB 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201
GB 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	338
GB 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	284
GB 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105
GB 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
AVERAGE	0.0	0.2	0.0	0.0	0.0	0.1	0.2	0.5	0.3	0.2	0.1	5.6	12.5	17.9	19.7	17.0	7.0	4.3	2.4	1.9	0.4	0.2	0.0	0.0	0.0	0.0	89.2
MAXIMUM	0	2	0	0	0	2	2	4	4	4	2	29	92	205	136	98	72	49	9	17	4	2	0	0	0	0	205

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM		
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
GB 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
GB 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
GB 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
GB 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
GB 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
GB 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
GB 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
GB 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
GB 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
GB 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
GB 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
GB 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
GB 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
GB 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
GB 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
GB 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
GB 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
GB 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
GB 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
GB 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
GB 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
GB 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
GB 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
GB 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
AVERAGE	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.2	0.2	0.1	0.0	1.7	3.3	4.9	5.6	4.4	1.4	1.3	0.8	0.2	0.1	0.0	0.0	0.0	0.0	25.6
MAX D-G=	0	1	0	0	0	0	1	1	2	2	1	1	5	11	47	35	21	7	7	5	5	2	1	0	0	0	47.0



SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
1970	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1971																								
1972																								
1973																								
1974																								
1975																								
1976																								
1977																								
1978																								
1979																								
1980																								
1981																								
1982																								
1983																								
1984																								
1985																								
1986																								
1987																								
1988																								
1989																								
1990																								
1991																								
1992																								
1993																								
AVERAGE = 0.1 0.0 0.3 0.0 0.2 0.0 0.1 0.0 0.0 0.0 1.5 0.2 2.8 0.5 4.2 0.8 4.9 0.7 3.6 0.8 1.0 0.4 1.1 0.2 MAXIMUM = 1 0 2 0 2 0 1 0 1 0 4 2 7 6 37 10 29 6 16 6 5 5 6 3 MAX D-F = 1 0 2 0 2 0 1 0 0 0 4 2 7 6 37 10 29 6 16 6 5 5 6 3 MAX G =																								
1970	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1971																								
1972																								
1973																								
1974																								
1975																								
1976																								
1977																								
1978																								
1979																								
1980																								
1981																								
1982																								
1983																								
1984																								
1985																								
1986																								
1987																								
1988																								
1989																								
1990																								
1991																								
1992																								
1993																								
AVERAGE = 1.3 0.0 0.7 0.0 0.2 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 MAXIMUM = 5 0 5 1 2 0 1 0 MAX D-F = 5 0 5 1 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 MAX G =																								

SIZE D-F AVG/MAX 22.1 37.0  
 SIZE G 24 YR 3.5 10.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY GEOGRAPHIC AREA - FOREST SERVICE

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
N 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
N 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
N 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
N 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
N 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
N 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
N 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
N 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
N 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
N 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
N 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
N 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
N 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
N 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
N 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
N 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94
N 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
N 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82
N 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	523
N 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
N 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
N 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
N 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82
N 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
AVERAGE=	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.2	0.2	0.5	3.8	8.5	5.4	11.3	11.5	5.2	2.7	4.9	0.3	0.6	0.6	0.0	56.6
MAXIMUM=	0	0	0	0	0	0	2	5	4	4	2	7	88	60	46	157	113	48	16	34	4	14	14	0	157

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
N 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
N 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
N 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
N 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
N 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
N 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
N 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
N 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
N 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
N 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
N 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
N 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
N 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
N 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
N 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
N 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
N 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
N 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
N 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97
N 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
N 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
N 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
N 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
N 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
AVERAGE=	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.1	0.1	0.3	0.5	2.5	2.1	3.2	3.3	2.0	1.2	1.9	0.2	0.0	0.0	0.0	17.9
MAX D-G=	0	0	0	0	0	0	1	3	2	2	1	4	9	22	16	27	16	13	9	12	2	1	1	0	27.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

GEO AREA	YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH			
		D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
N	1970	1	1	1	2	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	2
N	1971																										
N	1972																										
N	1973																										
N	1974																										
N	1975																										
N	1976																										
N	1977																										
N	1978																										
N	1979																										
N	1980																										
N	1981																										
N	1982																										
N	1983																										
N	1984																										
N	1985																										
N	1986																										
N	1987																										
N	1988																										
N	1989																										
N	1990																										
N	1991																										
N	1992																										
N	1993																										
AVERAGE =		0.2	0.0	0.3	0.0	0.1	0.0	0.3	0.0	0.2	0.3	2.1	0.3	2.0	0.1	2.8	0.5	2.9	0.5	1.9	0.1	1.2	0.0	0.0	0.1	1.2	0.0
MAXIMUM =		3	0	2	0	2	0	4	0	3	6	21	3	16	2	18	9	11	7	12	2	9	1	1	12	2	9
MAX D-F =		3	0	2	0	2	0	4	0	3	6	21	3	16	2	18	9	11	7	12	2	9	1	1	12	2	9
MAX G =		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIZE D-F 24 YR 15.9  
 D-F 24 YR 21.0  
 AVG/MAX 2.0  
 9.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY GEOGRAPHIC AREA - FOREST SERVICE

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AREA YEAR	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	SUM
PNW 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129
PNW 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
PNW 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
PNW 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
PNW 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
PNW 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
PNW 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
PNW 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
PNW 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
PNW 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
PNW 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
PNW 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
PNW 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
PNW 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
PNW 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
PNW 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	202
PNW 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	137
PNW 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102
PNW 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106
PNW 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111
PNW 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
PNW 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73
PNW 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
PNW 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
AVERAGE	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.9	1.2	0.6	0.8	1.4	2.2	9.3	17.4	11.3	3.0	2.3	2.5	0.3	0.8	0.1	0.1	54.5
MAXIMUM	0	0	0	0	0	0	0	0	2	14	7	15	7	9	13	88	178	102	28	15	21	2	4	2	178

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AREA YEAR	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	SUM
PNW 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
PNW 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
PNW 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
PNW 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
PNW 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
PNW 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
PNW 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
PNW 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
PNW 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
PNW 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
PNW 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
PNW 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
PNW 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
PNW 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
PNW 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
PNW 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
PNW 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
PNW 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
PNW 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
PNW 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
PNW 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
PNW 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
PNW 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
PNW 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.7	0.4	0.8	1.2	3.2	4.3	3.8	0.8	1.3	1.1	0.2	0.4	0.0	0.0	0.0	18.9
MAX D-G=	0	0	0	0	0	0	0	0	1	4	8	4	5	7	22	45	36	3	8	6	1	2	1	1	45.0

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
PNW 1970	1	1	1	2	1	2	1	2	1	1	1	2
PNW 1971												
PNW 1972												
PNW 1973												
PNW 1974												
PNW 1975												
PNW 1976												
PNW 1977	1	2	4	4	1	4	2	1	6	1	1	1
PNW 1978												
PNW 1979												
PNW 1980												
PNW 1981												
PNW 1982												
PNW 1983												
PNW 1984												
PNW 1985	1		1	1	3	3	2	2	37	8	4	3
PNW 1986												
PNW 1987												
PNW 1988												
PNW 1989												
PNW 1990												
PNW 1991												
PNW 1992												
PNW 1993												
AVERAGE =	0.1	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.3	0.8	0.4
MAXIMUM =	1	0	2	1	4	0	8	0	4	0	7	0
MAX D-F =	1	0	2	1	4	0	8	0	4	0	5	0
MAX G =	1	0	1	0	0	0	0	0	0	4	4	0

GEO AREA YEAR	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
PNW 1970	1	1	1	1	1	2	1	2	1	1	2	2
PNW 1971												
PNW 1972												
PNW 1973	3											
PNW 1974	1											
PNW 1975												
PNW 1976												
PNW 1977												
PNW 1978	1											
PNW 1979	6											
PNW 1980												
PNW 1981												
PNW 1982												
PNW 1983												
PNW 1984												
PNW 1985												
PNW 1986												
PNW 1987												
PNW 1988												
PNW 1989												
PNW 1990												
PNW 1991												
PNW 1992												
PNW 1993												
AVERAGE =	1.0	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM =	6	1	1	0	2	0	1	0	0	0	0	0
MAX D-F =	6	1	1	0	2	0	1	0	0	0	0	0
MAX G =	1	0	0	0	0	0	0	0	0	0	0	0

SIZE  
D-F  
24 YR  
AVG/MAX  
-----  
17.3  
37.0

SIZE  
G  
24 YR  
AVG/MAX  
-----  
1.7  
8.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY GEOGRAPHIC AREA - FOREST SERVICE

PLANE GEO AREA	DAYS D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM	
		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		D-G
RM 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
RM 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
RM 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
RM 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
RM 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
RM 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
RM 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
RM 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
RM 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
RM 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
RM 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
RM 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
RM 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
RM 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
RM 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
RM 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
RM 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
RM 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
RM 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107
RM 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
RM 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
RM 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
RM 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
RM 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
AVERAGE	0.0	0.1	0.1	0.0	0.0	0.0	0.6	0.7	0.8	0.6	0.4	0.6	1.8	5.8	2.1	1.8	1.7	2.9	0.5	1.2	1.4	0.2	0.0	0.2	0.0	24.5	
MAXIMUM	0	0	0	0	0	0	16	4	7	4	4	4	7	50	15	7	9	16	5	5	1.9	0.2	0	0	4	50	

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES GEO AREA	D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM	
		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		D-G
RM 1970	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
RM 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
RM 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
RM 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
RM 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
RM 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
RM 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
RM 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
RM 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
RM 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
RM 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
RM 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
RM 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
RM 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
RM 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
RM 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
RM 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
RM 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
RM 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
RM 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
RM 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
RM 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
RM 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
RM 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
AVERAGE*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.3	0.2	0.3	1.0	1.8	1.2	1.0	0.9	1.3	0.3	0.7	0.8	0.1	0.0	0.1	0.0	11.5	
MAX D-G*	0	0	0	0	0	0	2	4	4	2	2	2	4	8	8	4	5	6	3	3	5	1	0	0	2	8.0	



Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY GEOGRAPHIC AREA - FOREST SERVICE

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM	
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G		D-G
SW 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
SW 1971	0	4	0	0	2	2	2	2	4	9	4	7	23	2	2	2	4	0	0	0	0	0	0	0	0	123
SW 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
SW 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
SW 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159
SW 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
SW 1976	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
SW 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
SW 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
SW 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104
SW 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112
SW 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
SW 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
SW 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
SW 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130
SW 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86
SW 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
SW 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129
SW 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104
SW 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	179
SW 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
SW 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
SW 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
SW 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155
AVERAGE	0.0	0.4	0.2	0.6	0.8	1.7	2.1	1.2	3.3	6.9	13.8	21.3	11.8	3.9	4.3	1.4	0.9	1.4	1.6	0.5	1.3	0.4	0.4	0.2	79.5	
MAXIMUM	0	4	2	7	4	14	14	4	22	75	54	93	49	35	25	5	5	7	14	4	14	2	4	2	93	

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM	
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G		D-G
SW 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
SW 1971	0	2	0	0	1	1	5	4	1	2	5	2	16	3	0	0	0	0	0	0	0	0	0	0	0	41
SW 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
SW 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
SW 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
SW 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
SW 1976	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
SW 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
SW 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
SW 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
SW 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
SW 1981	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
SW 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
SW 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
SW 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
SW 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
SW 1986	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
SW 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
SW 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
SW 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
SW 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
SW 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
SW 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
SW 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
AVERAGE	0.0	0.2	0.1	0.4	0.4	0.7	0.9	0.7	1.8	2.7	4.5	7.0	5.3	2.1	2.1	0.8	0.5	0.8	0.6	0.3	0.5	0.2	0.2	0.1	32.8	
MAX D-G	0	2	1	4	2	5	4	2	12	15	23	25	21	19	9	3	3	4	3	3	2	2	1	2	1	25.0



Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

GEO AREA	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH				
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G			
SW 1970	1	1	1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2	
SW 1971	3	1	1	1	2	4	4	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SW 1972	4	1	2	2	5	2	12	4	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SW 1973																											
SW 1974	1	1	1	1	5	5	21	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SW 1975	2	2	2	2	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SW 1976	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SW 1977																											
SW 1978	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
SW 1979	2	2	2	2	3	3	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SW 1980	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
SW 1981																											
SW 1982	1	1	1	1	1	1	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
SW 1983																											
SW 1984	1	1	1	1	2	2	7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
SW 1985	1	1	1	1	1	1	6	14	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
SW 1986	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SW 1987	2	2	2	2	12	12	10	13	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
SW 1988	3	3	3	3	6	6	4	19	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
SW 1989	3	3	3	3	9	9	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
SW 1990	1	1	1	1	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
SW 1991	2	2	2	2	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SW 1992																											
SW 1993	1	1	1	1	11	11	4	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
SW 1994																											
SW 1995																											
AVERAGE	0.8	0.0	0.7	0.0	1.8	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAXIMUM	4	1	2	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	
MAX D-F	4		2	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	
MAX G		1																									

SIZE D-F 24 YR AVG/MAX 31.2 22.0  
 SIZE G 1 24 YR AVG/MAX 1.6 4.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY GEOGRAPHIC AREA - FOREST SERVICE

PLANE DAYS GEO AREA YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G	
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
S 1970	2	0	4	15	5	4	29	11	5	2	0	0	2	0	0	0	0	0	0	0	0	0	4	9	92	
S 1971	0	4	2	2	0	5	24	16	7	4	0	4	0	2	0	0	0	0	0	0	0	0	2	0	71	
S 1972	0	0	0	0	2	4	5	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	18	
S 1973	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	9	
S 1974	0	0	4	2	4	4	7	2	4	0	0	0	2	0	0	0	0	0	0	7	13	0	0	2	48	
S 1975	0	0	0	4	5	7	2	4	0	2	0	0	0	0	0	0	4	0	0	0	0	0	0	0	31	
S 1976	0	7	5	15	5	13	5	0	0	0	0	0	0	0	0	4	0	0	2	7	7	0	2	2	75	
S 1977	0	0	2	29	5	13	5	4	2	17	5	0	2	2	0	4	0	0	0	0	0	0	2	2	93	
S 1978	0	0	0	5	0	16	29	2	0	4	0	2	4	2	0	4	2	0	0	9	20	0	0	0	101	
S 1979	0	2	0	2	5	2	5	0	0	0	0	2	4	0	2	2	0	0	2	0	0	7	2	0	40	
S 1980	2	2	0	11	7	5	5	7	2	0	7	0	9	5	7	15	4	4	0	4	33	4	7	2	143	
S 1981	4	13	0	18	18	53	26	7	2	5	0	2	5	0	2	0	0	0	2	7	9	7	2	0	183	
S 1982	0	2	0	0	7	4	4	7	0	9	0	0	0	0	0	0	0	0	2	2	2	4	0	0	37	
S 1983	2	0	0	7	9	5	0	9	7	0	4	0	0	0	0	0	0	2	0	0	0	0	0	0	46	
S 1984	4	0	4	2	0	2	0	13	4	2	4	2	0	0	0	0	0	2	0	2	0	2	0	7	48	
S 1985	0	2	2	7	11	16	26	7	2	9	0	2	4	2	0	0	0	0	0	0	0	0	0	0	93	
S 1986	7	13	0	4	20	33	16	13	13	0	2	2	7	0	0	0	0	0	0	0	0	0	0	0	2	134
S 1987	0	4	4	0	7	16	9	7	4	0	4	0	0	2	5	2	0	0	2	91	5	13	0	0	175	
S 1988	2	11	7	46	20	46	7	11	11	7	7	16	7	0	4	2	0	2	0	5	2	0	0	0	214	
S 1989	0	2	7	15	22	2	25	2	2	0	0	0	2	0	0	0	0	0	4	9	9	4	4	0	113	
S 1990	5	0	5	2	4	5	0	4	4	4	2	0	0	4	5	7	4	0	2	4	11	0	0	2	175	
S 1991	0	0	2	4	9	13	0	0	0	0	0	2	0	0	0	0	0	0	37	22	5	0	0	5	101	
S 1992	0	0	5	9	4	5	13	7	7	5	0	0	5	2	0	2	0	2	0	0	0	0	0	0	68	
S 1993	0	0	0	0	0	0	2	4	4	2	2	2	2	0	4	2	0	0	0	0	0	0	0	0	0	24
AVERAGE	1.1	18.3	2.3	7.9	7.0	12.3	9.5	6.9	3.1	2.9	1.4	1.5	1.8	1.3	0.9	1.8	0.8	0.8	0.0	3.1	8.9	3.1	2.1	1.5	84.6	
MAXIMUM	7	96	7	46	20	53	29	25	13	17	7	16	9	7	15	7	7	4	0	37	91	11	13	7	91	

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G GEO AREA YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G	
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
S 1970	1	0	2	8	3	3	16	6	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	50	
S 1971	0	2	1	1	0	3	13	9	4	2	0	2	0	1	0	0	0	0	0	0	0	1	0	0	39	
S 1972	0	0	0	1	2	3	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	10	
S 1973	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	5	
S 1974	0	0	0	2	1	2	4	1	1	0	0	0	0	0	0	0	0	0	0	4	7	0	0	1	26	
S 1975	0	0	0	2	3	4	1	2	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	1	17	
S 1976	0	4	3	4	8	3	7	3	0	0	0	0	0	0	0	2	0	0	1	4	0	0	1	1	41	
S 1977	0	0	1	16	3	7	3	2	1	3	3	0	0	1	1	0	0	0	0	0	1	4	0	1	44	
S 1978	0	0	0	13	0	9	16	1	0	2	0	1	2	1	0	2	1	1	0	5	11	0	0	1	55	
S 1979	0	0	1	0	1	3	1	3	0	0	0	1	2	0	1	1	0	0	0	0	4	1	0	1	22	
S 1980	1	1	0	6	4	3	3	4	1	0	4	0	5	3	4	8	2	2	0	2	18	2	4	1	78	
S 1981	2	7	0	10	10	29	14	4	1	3	0	1	3	0	1	0	0	0	1	4	5	4	1	1	100	
S 1982	0	1	0	4	2	4	2	4	0	0	1	2	0	0	0	0	0	0	1	1	2	0	0	0	20	
S 1983	1	0	0	4	5	3	0	5	4	0	0	0	0	0	0	0	0	1	0	1	1	2	0	0	25	
S 1984	2	0	2	1	0	1	0	7	2	1	2	1	0	0	0	0	0	1	0	1	0	1	0	0	26	
S 1985	0	1	1	4	6	9	14	4	1	5	0	2	1	2	0	0	0	0	0	0	0	0	0	0	51	
S 1986	4	7	1	4	11	18	9	7	7	1	0	1	4	0	0	0	0	0	0	0	0	0	0	1	73	
S 1987	0	2	2	0	4	9	5	4	2	0	2	0	0	0	1	3	1	0	0	1	43	3	7	0	69	
S 1988	1	6	4	25	11	25	4	6	6	4	4	9	4	0	2	1	0	1	0	0	3	1	0	0	117	
S 1989	0	1	4	4	8	12	1	7	1	0	0	0	1	0	0	0	0	0	2	5	5	2	2	2	55	
S 1990	3	0	1	2	3	0	0	2	2	0	1	0	0	1	3	4	2	0	0	1	2	6	1	1	41	
S 1991	0	0	1	2	5	7	0	0	0	0	1	0	1	0	0	0	0	0	0	20	12	3	0	0	3	55
S 1992	0	0	3	5	2	3	7	4	4	3	0	0	3	1	0	0	1	0	0	0	0	0	0	0	0	37
S 1993	0	0	0	0	0	0	1	2	1	1	0	1	1	0	1	2	1	0	0	0	0	0	0	0	0	13
AVERAGE	0.6	1.3	1.3	4.3	3.8	6.7	5.2	3.5	1.7	1.3	0.8	0.8	1.0	0.7	0.5	1.0	0.4	0.4	0.0	1.7	4.6	1.7	1.1	0.8	45.4	
MAX D-G=	4	7	4	25	11	29	16	9	7	5	4	9	5	4	8	4	4	2	0	20	43	6	7	4	43.0	

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRE D-G GEO AREA	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
S 1970	1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2
S 1971	16	6	3	3	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1972	13	9	4	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1973	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1974	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1975	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1976	7	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1977	3	2	1	1	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1978	16	1	3	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1979	1	3	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1980	3	4	1	1	4	4	4	5	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4
S 1981	14	4	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1982	4	4	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1983	5	4	4	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1984	7	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1985	14	4	1	1	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1986	9	7	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1987	5	4	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
S 1988	4	6	6	6	4	4	9	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
S 1989	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1990	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1991	7	4	4	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1992	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 1993	2	0	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	=	5.2	0.0	1.7	0.0	1.3	0.0	0.8	0.0	0.8	0.0	1.0	0.0	0.7	0.0	0.5	0.0	1.0	0.0	0.4	0.0	0.4	0.0	0.0
MAXIMUM	=	16	0	9	1	7	0	5	1	4	0	9	0	4	0	4	0	8	0	4	0	4	0	0
MAX D-F	=	16	0	9	1	7	0	5	1	4	0	9	0	4	0	4	0	8	0	4	0	4	0	0
MAX G	=	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

SIZE D-F 24 YR AVG/MAX  
-----  
45.3  
42.0

SIZE G 24 YR AVG/MAX  
-----  
0.1  
1.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS NATIONALLY - FOREST SERVICE

FIRE DATA PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G
	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	
ALL 1970	2	2	4	16	7	4	38	18	15	9	2	20	32	53	18	100	9	120	26	7	30	5	9	0	548
ALL 1971	0	7	2	16	16	33	24	11	15	15	2	7	93	22	5	13	41	9	31	19	4	4	4	0	379
ALL 1972	2	0	0	7	23	9	4	4	4	13	5	2	29	27	37	23	11	4	7	17	17	5	0	214	
ALL 1973	0	0	0	0	2	2	2	2	2	4	5	4	46	27	30	156	41	9	0	17	17	5	0	388	
ALL 1974	0	2	5	13	9	9	21	11	13	16	13	112	20	31	20	32	31	45	14	11	15	0	2	447	
ALL 1975	0	0	4	5	9	5	9	13	2	13	5	13	11	62	19	11	36	7	4	2	29	4	2	266	
ALL 1976	0	11	5	9	18	9	15	11	11	2	48	42	27	17	11	27	7	2	17	5	13	11	4	5	329
ALL 1977	0	0	4	33	9	22	16	18	4	21	51	15	11	34	163	9	2	0	2	2	7	5	4	2	434
ALL 1978	0	0	4	5	0	18	33	7	5	7	7	16	20	16	39	15	9	15	15	26	24	0	4	2	283
ALL 1979	0	0	4	4	5	7	4	7	11	5	41	73	71	57	35	28	99	27	26	7	2	9	5	2	527
ALL 1980	2	2	13	15	11	16	26	21	7	18	60	36	90	51	36	13	18	33	9	35	109	15	4	2	641
ALL 1981	4	15	0	18	24	59	35	13	4	7	4	47	7	78	43	227	4	65	0	5	11	11	9	2	691
ALL 1982	0	2	0	7	7	9	9	4	0	5	5	7	5	13	22	15	18	4	4	17	9	4	0	0	180
ALL 1983	2	0	0	7	9	13	2	11	7	20	7	11	44	24	11	7	7	7	0	4	4	2	0	0	200
ALL 1984	4	5	4	2	0	4	2	0	4	22	20	52	11	24	73	49	59	43	15	31	5	2	0	7	441
ALL 1985	7	18	0	4	24	57	20	18	39	4	5	20	76	24	330	29	61	0	9	5	5	0	0	2	758
ALL 1986	0	4	9	0	15	22	29	33	26	0	74	49	58	36	51	192	599	93	47	7	102	7	13	0	1465
ALL 1987	2	13	7	49	26	92	26	22	40	20	54	159	221	167	223	248	171	2	16	7	2	11	2	1629	
ALL 1988	2	13	7	9	18	45	18	43	13	22	39	51	130	378	15	7	29	2	9	9	26	13	11	4	903
ALL 1989	0	0	9	2	4	9	7	5	9	11	9	75	29	31	275	9	43	9	22	2	25	27	4	2	633
ALL 1990	0	11	5	4	15	33	13	17	9	7	2	13	22	16	41	52	13	15	64	65	22	15	2	5	472
ALL 1991	0	0	7	15	7	5	20	9	16	9	38	59	26	22	140	223	19	53	7	11	0	0	0	0	687
ALL 1992	0	0	2	0	2	2	4	5	16	79	38	24	20	9	18	20	7	23	11	49	7	4	4	0	344
AVERAGE	1	30	3	9	11	20	17	15	14	14	22	47	56	53	77	61	50	27	16	13	16	11	4	2	565
MAXIMUM	9	138	9	49	26	92	37	43	40	79	74	159	315	378	330	248	599	93	64	65	102	109	15	7	599

SIZE CLASS D-G FIRE OCCURRENCE BY NATIONALLY - FOREST SERVICE

FIRE DATA GEO AREA YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G	
	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2		
ALL 1970	1	1	2	9	4	2	21	10	8	5	1	11	11	16	10	35	5	20	14	4	10	3	5	0	208	
ALL 1971	0	4	1	1	9	18	13	6	8	4	25	12	3	7	16	5	17	4	2	2	2	2	0	0	168	
ALL 1972	1	0	0	4	6	5	2	7	3	1	1	16	15	20	6	6	2	4	2	4	2	0	1	0	104	
ALL 1973	0	0	0	0	1	1	1	1	1	2	3	2	12	15	10	33	16	5	0	3	3	3	0	0	114	
ALL 1974	0	1	3	7	5	5	5	6	7	9	7	35	11	17	11	11	17	18	1	6	8	0	1	1	192	
ALL 1975	0	0	0	2	3	5	3	5	7	1	7	3	7	6	21	4	6	13	4	2	1	3	2	1	106	
ALL 1976	0	6	3	5	10	5	8	6	6	1	13	10	8	3	6	15	4	1	3	3	7	6	2	3	134	
ALL 1977	0	0	2	18	5	12	9	10	2	5	15	8	12	37	5	1	0	1	1	1	4	3	2	1	159	
ALL 1978	0	0	0	3	0	10	18	4	3	4	4	9	11	9	15	8	5	8	8	14	13	0	0	2	148	
ALL 1979	0	0	0	2	0	3	4	2	4	6	3	16	27	32	18	19	9	28	15	14	4	1	5	3	216	
ALL 1980	1	1	1	1	7	8	6	9	14	5	4	10	20	13	36	28	13	7	10	18	5	19	14	8	2	259
ALL 1981	2	8	0	10	13	32	19	7	2	4	2	19	4	23	17	46	2	16	0	3	6	5	1	247		
ALL 1982	1	0	0	4	4	5	5	2	0	3	3	4	3	7	12	8	10	2	2	2	2	1	0	0	85	
ALL 1983	1	0	0	4	4	5	7	1	6	4	11	6	24	13	6	4	4	4	4	3	3	1	0	0	109	
ALL 1984	2	3	2	1	0	2	10	2	12	11	22	6	13	33	27	32	17	8	17	0	3	1	0	2	252	
ALL 1985	0	1	1	4	6	10	6	7	11	6	7	11	33	68	34	7	16	4	4	4	3	1	0	0	280	
ALL 1986	4	10	0	2	13	31	11	10	21	2	3	11	25	13	89	16	7	0	5	3	3	0	0	1	468	
ALL 1987	0	2	5	0	8	12	16	18	14	0	34	20	25	13	15	66	112	25	19	4	49	4	7	0	486	
ALL 1988	1	7	4	27	14	50	14	12	22	11	23	41	49	52	50	38	35	7	8	9	4	1	6	1	486	
ALL 1989	1	1	4	5	10	18	10	17	7	12	15	15	45	89	8	4	16	1	5	5	14	7	6	2	317	
ALL 1990	5	0	5	1	2	5	4	3	5	6	5	28	16	17	59	5	17	5	12	4	7	8	2	1	222	
ALL 1991	0	6	3	2	8	18	7	3	5	4	1	7	11	9	16	22	7	8	22	29	12	8	1	3	212	
ALL 1992	0	0	4	8	4	3	11	5	9	5	14	19	14	12	44	50	4	16	4	6	0	0	0	0	232	
ALL 1993	0	0	1	0	1	1	2	3	9	17	14	13	11	5	10	11	4	6	6	7	4	2	2	0	129	
AVERAGE	0.8	2.2	1.8	5.2	5.9	10.8	9.1	7.6	7.3	6.3	9.0	16.3	20.0	19.1	23.8	18.4	13.3	9.0	6.7	5.3	7.4	3.3	2.2	1.1	211.6	
MAX D-G	5	10	5	27	14	50	20	18	22	22	34	41	68	89	89	66	112	25	22	29	49	14	8	4	112.0	

SIZE CLASS D-G FIRE OCCURRENCE BY GEOGRAPHIC AREA - FOREST SERVICE

FIRES D-G GEO AREA	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
ALL 1970	21	0	8	0	5	0	11	0	10	1	14	2	10	0	32	3	5	0	13	7	0	0	0	0
ALL 1971	18	0	6	0	4	0	4	0	12	0	3	0	7	0	15	1	5	0	17	0	0	0	0	0
ALL 1972	2	0	7	0	3	0	1	0	16	0	15	0	20	0	5	1	6	0	2	0	0	0	0	0
ALL 1973	2	0	2	0	2	0	2	0	15	0	19	1	25	8	15	1	5	0	0	0	0	0	0	0
ALL 1974	4	1	6	0	7	0	3	0	11	0	17	0	11	0	10	1	17	0	17	1	0	0	0	0
ALL 1975	3	0	7	0	7	0	3	0	4	1	6	0	19	2	3	1	6	0	12	1	0	0	0	0
ALL 1976	8	0	6	0	1	0	11	2	8	2	7	1	6	0	15	0	4	0	1	0	0	0	0	0
ALL 1977	9	0	6	0	4	0	13	2	8	0	11	1	29	8	5	0	1	0	0	0	0	0	0	0
ALL 1978	18	0	4	0	3	0	4	0	11	0	9	0	16	2	19	0	8	1	24	4	15	0	8	0
ALL 1979	2	0	4	0	6	0	3	0	31	1	16	2	19	0	8	1	24	4	15	0	10	0	0	0
ALL 1980	9	0	4	0	4	0	10	0	12	1	34	2	28	0	12	1	7	0	10	0	0	0	0	0
ALL 1981	19	0	7	0	4	0	2	0	18	2	12	1	34	2	16	1	34	12	2	0	13	3	3	3
ALL 1982	5	0	2	0	3	0	3	0	4	0	3	0	20	3	8	0	10	0	2	0	0	0	0	0
ALL 1983	1	0	6	0	4	0	4	0	3	0	7	0	7	0	6	0	4	0	4	0	0	0	0	0
ALL 1984	2	0	11	0	11	0	6	0	24	0	13	0	6	0	4	0	4	0	4	0	0	0	0	0
ALL 1985	20	0	10	0	7	0	10	1	4	52	16	34	0	7	0	16	0	4	0	4	0	0	0	0
ALL 1986	11	0	21	0	2	0	3	0	11	1	34	1	13	2	60	6	79	33	21	4	0	0	0	0
ALL 1987	16	0	14	0	0	0	33	1	19	1	24	1	12	1	23	15	26	9	5	2	0	0	0	0
ALL 1988	14	0	22	0	11	0	22	1	34	7	38	11	46	6	39	11	23	15	26	9	5	2	0	0
ALL 1989	10	0	15	1	7	0	12	0	14	1	13	2	41	4	71	8	0	4	0	16	1	5	0	0
ALL 1990	4	0	3	0	5	0	5	0	26	2	16	0	17	0	45	14	5	0	16	1	5	0	0	0
ALL 1991	7	0	5	0	4	0	1	0	7	0	10	1	9	0	15	1	21	1	17	0	8	0	0	0
ALL 1992	11	0	5	0	5	0	13	1	17	2	14	0	12	0	39	5	39	11	3	1	14	2	2	2
ALL 1993	2	0	3	0	9	0	13	0	11	0	5	0	10	0	11	0	4	0	4	0	5	1	1	1
ALL 1994	2	0	7.5	0.1	7.2	0.0	6.0	0.3	8.5	0.5	18.4	1.6	17.6	1.5	21.0	2.8	16.0	2.3	11.1	2.2	8.1	0.9	0.9	0.9
AVERAGE =	20	0	18	1	22	1	21	4	33	2	34	7	52	16	71	18	75	14	60	15	79	33	21	4
MAXIMUM =	20	1	18	1	22	1	21	4	33	2	34	7	52	16	71	18	75	14	60	15	79	33	21	4
MAX D-F =	20	1	18	1	22	1	21	4	33	2	34	7	52	16	71	18	75	14	60	15	79	33	21	4
MAX G =	20	1	18	1	22	1	21	4	33	2	34	7	52	16	71	18	75	14	60	15	79	33	21	4

SIZE D-F  
24 YR  
AVG/MAX  
-----  
194.3  
79.0  
SIZE  
D-F  
24 YR  
AVG/MAX  
-----  
14.9  
18.0  
33.0

RETARDANT PLANE-DAYS BY YEAR - BUREAU OF LAND MANAGEMENT

PLANE DAYS GEO	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM D-G
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1980	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AZ 1980	0	0	0	0	0	0	0	0	1	1	0	3	1	8	3	0	1	0	0	0	0	0	0	0	17
CA 1980	0	0	0	0	0	0	0	0	0	0	1	0	1	4	1	2	0	1	1	0	0	0	0	0	10
CO 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
ID 1980	0	0	0	0	0	0	0	0	0	0	0	2	6	4	3	2	0	1	0	0	0	0	0	0	19
MT 1980	0	0	0	0	0	0	0	1	0	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	7
NM 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV 1980	0	0	0	0	0	0	0	0	0	1	0	2	1	3	2	1	0	0	0	0	0	0	0	0	9
OR 1980	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	1	1	1	1	0	0	0	0	8
UT 1980	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	0	0	0	0	0	0	0	5
WY 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
SUM	0	0	0	0	0	0	0	1	1	4	2	9	7	28	11	7	5	1	3	1	0	0	0	0	78
MAXIMUM	0	0	0	0	0	0	0	1	1	1	1	3	2	8	4	3	2	1	1	0	0	0	0	0	24

PLANE DAYS GEO	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM D-G	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1981	0	0	0	0	0	0	0	0	0	1	1	9	0	0	0	0	0	0	0	0	0	0	0	0	11	
AZ 1981	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	
CA 1981	0	0	0	0	0	1	0	0	0	0	3	1	1	3	2	1	0	1	0	0	0	0	0	0	12	
CO 1981	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	3	
ID 1981	0	0	0	0	0	0	0	0	0	0	0	4	7	9	5	13	2	5	1	1	0	0	0	0	48	
MT 1981	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	4	
NM 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
NV 1981	1	4	0	3	3	7	0	0	0	0	1	1	1	2	2	1	1	0	0	0	1	1	1	0	30	
OR 1981	0	0	0	0	0	6	0	0	0	0	0	2	1	3	4	4	2	1	0	0	0	0	0	0	17	
UT 1981	0	0	0	0	0	0	0	0	0	0	1	3	1	5	1	3	0	0	0	0	0	0	0	0	15	
WY 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	3	
SUM	1	4	0	3	3	8	1	1	1	1	3	23	13	23	18	26	7	7	2	1	1	1	1	0	146	
MAXIMUM	1	4	0	3	3	7	0	0	0	1	1	9	7	9	5	13	2	5	1	1	1	1	1	0	38	

PLANE DAYS GEO	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM D-G	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1982	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	
AZ 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
CA 1982	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0	0	1	1	0	0	0	0	6	
CO 1982	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3	
ID 1982	0	0	0	0	0	0	0	0	0	0	2	3	3	3	5	2	0	0	1	0	0	0	0	0	18	
MT 1982	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	
NM 1982	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
NV 1982	0	1	0	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	5	
OR 1982	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	0	0	0	0	0	0	0	0	0	7	
UT 1982	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	0	1	0	0	0	0	0	0	0	9	
WY 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
SUM	0	1	0	1	1	1	0	1	0	0	1	7	9	8	7	12	5	0	1	1	1	1	0	0	57	
MAXIMUM	0	1	0	1	1	1	0	1	0	0	0	2	3	3	3	5	2	0	0	1	1	1	0	0	18	

PLANE DAYS GEO	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM D-G	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1983	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4	
AZ 1983	0	0	0	0	0	0	0	0	0	0	1	2	1	2	0	1	0	0	0	0	0	0	0	0	7	
CA 1983	0	0	0	0	0	1	0	0	0	0	2	1	1	3	2	1	1	0	0	0	0	0	0	0	13	
CO 1983	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	3	
ID 1983	0	0	0	0	0	0	0	0	0	0	1	3	11	5	7	2	3	3	0	0	0	0	0	0	34	
MT 1983	0	0	0	0	0	0	0	1	0	0	0	1	1	1	2	1	1	0	0	1	0	0	0	0	8	
NM 1983	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
NV 1983	0	0	0	1	1	1	0	1	0	0	0	1	3	4	3	0	1	1	0	0	0	0	0	0	17	
OR 1983	0	0	0	0	0	0	0	0	0	0	0	0	2	7	3	2	0	1	0	1	0	0	0	0	14	
UT 1983	0	0	0	0	0	0	0	0	0	0	1	1	5	1	2	0	1	0	0	0	0	0	0	0	11	
WY 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	
SUM	0	0	0	1	1	2	0	2	1	4	5	9	28	21	18	7	7	6	1	2	0	0	0	0	114	
MAXIMUM	0	0	0	1	1	1	0	1	0	2	2	3	11	7	7	2	3	3	0	1	0	0	0	0	35	

PLANE DAYS GEO	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM D-G	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1984	0	0	0	0	0	0	0	0	0	1	3	2	3	0	0	0	0	0	0	0	0	0	0	0	9	
AZ 1984	0	1	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	1	0	0	5	
CA 1984	0	0	0	0	0	0	0	0	1	2	1	1	4	1	1	1	1	0	0	0	0	0	0	0	14	
CO 1984	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	3	
ID 1984	0	0	0	0	0	0	0	0	0	0	0	1	5	3	8	3	2	2	1	0	0	0	0	0	26	
MT 1984	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	5	
NM 1984	0	0																								

SIZE CLASS D-G FIRE OCCURRENCE BY YEAR - BUREAU OF LAND MANAGEMENT

Table with 25 columns (FIRE D-G, JAN 1, JAN 2, FEB 1, FEB 2, MAR 1, MAR 2, APR 1, APR 2, MAY 1, MAY 2, JUN 1, JUN 2, JUL 1, JUL 2, AUG 1, AUG 2, SEP 1, SEP 2, OCT 1, OCT 2, NOV 1, NOV 2, DEC 1, DEC 2, SUM D-G) and 25 rows (AK 1980, AZ 1980, CA 1980, CO 1980, ID 1980, MT 1980, NM 1980, NV 1980, OR 1980, UT 1980, WY 1980, SUM, MAXIMUM).

Table with 25 columns (FIRE D-G, JAN 1, JAN 2, FEB 1, FEB 2, MAR 1, MAR 2, APR 1, APR 2, MAY 1, MAY 2, JUN 1, JUN 2, JUL 1, JUL 2, AUG 1, AUG 2, SEP 1, SEP 2, OCT 1, OCT 2, NOV 1, NOV 2, DEC 1, DEC 2, SUM D-G) and 25 rows (AK 1981, AZ 1981, CA 1981, CO 1981, ID 1981, MT 1981, NM 1981, NV 1981, OR 1981, UT 1981, WY 1981, SUM, MAXIMUM).

Table with 25 columns (FIRE D-G, JAN 1, JAN 2, FEB 1, FEB 2, MAR 1, MAR 2, APR 1, APR 2, MAY 1, MAY 2, JUN 1, JUN 2, JUL 1, JUL 2, AUG 1, AUG 2, SEP 1, SEP 2, OCT 1, OCT 2, NOV 1, NOV 2, DEC 1, DEC 2, SUM D-G) and 25 rows (AK 1982, AZ 1982, CA 1982, CO 1982, ID 1982, MT 1982, NM 1982, NV 1982, OR 1982, UT 1982, WY 1982, SUM, MAXIMUM).

Table with 25 columns (FIRE D-G, JAN 1, JAN 2, FEB 1, FEB 2, MAR 1, MAR 2, APR 1, APR 2, MAY 1, MAY 2, JUN 1, JUN 2, JUL 1, JUL 2, AUG 1, AUG 2, SEP 1, SEP 2, OCT 1, OCT 2, NOV 1, NOV 2, DEC 1, DEC 2, SUM D-G) and 25 rows (AK 1983, AZ 1983, CA 1983, CO 1983, ID 1983, MT 1983, NM 1983, NV 1983, OR 1983, UT 1983, WY 1983, SUM, MAXIMUM).

Table with 25 columns (FIRE D-G, JAN 1, JAN 2, FEB 1, FEB 2, MAR 1, MAR 2, APR 1, APR 2, MAY 1, MAY 2, JUN 1, JUN 2, JUL 1, JUL 2, AUG 1, AUG 2, SEP 1, SEP 2, OCT 1, OCT 2, NOV 1, NOV 2, DEC 1, DEC 2, SUM D-G) and 25 rows (AK 1984, AZ 1984, CA 1984, CO 1984, ID 1984, MT 1984, NM 1984, NV 1984, OR 1984, UT 1984, WY 1984, SUM, MAXIMUM).





SIZE CLASS D-G FIRE OCCURRENCE BY YEAR - BUREAU OF LAND MANAGEMENT

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1985	0	0	0	0	0	0	0	0	1	1	0	0	1	5	9	0	0	0	0	0	0	0	0	0	17
AZ 1985	0	0	0	0	0	0	0	1	0	0	0	0	5	0	0	0	0	0	0	1	0	0	0	1	8
CA 1985	0	0	0	0	0	1	1	0	0	1	2	4	15	2	3	2	0	0	0	0	0	0	0	0	31
CO 1985	0	0	0	0	0	0	0	0	0	0	1	2	1	1	4	2	2	0	1	0	0	0	0	0	14
ID 1985	0	0	0	0	0	0	0	0	2	0	2	27	38	16	6	12	1	0	1	0	0	0	0	0	106
MT 1985	0	0	0	0	0	0	0	0	0	1	0	2	2	0	0	1	0	0	0	0	0	0	0	0	6
NM 1985	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	5
NV 1985	0	1	1	4	6	9	1	1	0	9	5	26	66	29	2	28	4	2	0	0	0	0	1	1	195
OR 1985	0	0	0	0	0	0	0	0	0	1	1	13	34	10	1	16	0	0	0	0	0	0	0	0	76
UT 1985	0	0	0	0	0	0	0	0	0	0	3	8	14	5	7	15	1	0	0	0	0	0	0	0	53
WY 1985	0	0	0	0	0	0	0	0	0	0	0	1	4	2	3	6	0	1	0	2	0	0	0	0	19
SUM	0	1	1	4	6	10	2	2	3	14	15	84	181	70	36	82	8	3	2	4	0	0	0	2	530
MAXIMUM	0	1	1	4	6	9	1	1	2	9	5	27	66	29	9	28	4	2	1	2	0	0	0	1	66

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1986	0	0	0	0	0	0	1	0	0	0	1	7	15	0	0	0	0	0	0	0	0	0	0	0	24	
AZ 1986	0	0	0	0	0	0	0	0	0	3	6	2	1	1	1	0	0	1	1	0	0	3	0	0	0	19
CA 1986	0	0	0	0	0	13	0	1	0	1	1	1	5	2	3	1	6	0	0	0	0	0	0	0	34	
CO 1986	0	0	0	0	0	0	0	0	0	0	0	1	3	1	6	2	1	0	0	0	0	0	0	0	14	
ID 1986	0	0	0	0	0	0	0	0	0	0	15	12	15	51	11	7	1	2	1	0	0	0	0	0	115	
MT 1986	0	0	0	0	0	0	0	0	0	0	2	0	1	1	3	0	0	0	0	0	0	0	0	0	7	
NM 1986	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	
NV 1986	4	7	0	2	11	18	0	0	0	1	4	15	10	2	14	6	3	0	0	0	0	0	1	1	98	
OR 1986	0	0	0	0	0	0	0	0	0	0	2	1	0	3	36	7	4	0	1	0	0	0	0	0	54	
UT 1986	0	0	0	0	0	0	0	0	0	0	6	13	22	3	20	4	6	0	0	0	0	0	0	0	74	
WY 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SUM	4	7	0	2	11	31	2	2	0	5	20	58	68	28	132	34	27	2	4	1	3	0	0	1	442	
MAXIMUM	4	7	0	2	11	18	1	1	0	3	6	15	22	15	51	11	7	1	2	1	3	0	0	1	51	

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1987	0	0	0	0	0	0	0	0	0	2	3	3	3	1	0	0	0	0	0	0	0	0	0	0	12	
AZ 1987	0	0	1	0	0	0	1	2	3	0	0	1	4	0	3	1	0	0	0	0	0	0	0	0	16	
CA 1987	0	0	0	0	0	3	0	0	3	0	4	3	5	3	4	5	3	0	3	0	7	0	0	0	43	
CO 1987	0	0	0	0	0	0	0	0	0	0	0	6	2	3	2	3	1	4	1	3	0	0	0	0	25	
ID 1987	0	0	0	0	0	0	8	6	3	0	18	11	7	8	6	10	6	7	5	3	0	0	0	0	98	
MT 1987	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	3	
NM 1987	0	0	0	0	0	1	1	0	0	0	0	0	0	2	3	0	0	0	1	0	0	0	0	0	8	
NV 1987	0	2	2	0	4	9	1	2	1	0	1	6	4	7	4	2	3	2	2	0	43	3	7	0	105	
OR 1987	0	0	0	0	0	0	1	0	1	0	13	5	3	7	4	21	3	0	3	1	0	0	0	0	62	
UT 1987	0	0	0	0	0	0	0	0	0	2	6	9	6	7	3	2	5	6	1	1	0	0	0	0	48	
WY 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	0	0	0	0	0	0	5	
SUM	0	2	3	0	4	12	11	13	10	5	45	45	34	39	30	44	22	21	17	8	50	3	7	0	425	
MAXIMUM	0	2	2	0	4	9	8	6	3	2	18	11	7	8	6	21	6	7	5	3	43	3	7	0	43	

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1988	0	0	0	0	0	0	0	1	0	1	4	14	19	7	4	0	0	0	0	0	0	0	0	0	50	
AZ 1988	0	0	0	0	0	2	2	0	1	0	2	8	3	5	0	0	0	0	0	0	0	0	5	0	28	
CA 1988	0	0	0	0	0	15	3	0	2	5	3	12	3	5	4	4	5	5	1	1	0	0	0	0	68	
CO 1988	0	0	0	0	0	0	0	0	1	3	0	5	9	11	0	1	2	0	0	4	0	0	0	0	36	
ID 1988	0	0	0	0	0	0	2	1	1	0	12	0	6	7	12	6	4	0	5	5	0	0	0	0	61	
MT 1988	0	0	0	0	0	1	0	0	3	6	11	10	5	9	7	0	0	0	0	0	0	0	0	0	52	
NM 1988	0	0	0	0	0	2	3	0	5	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	15	
NV 1988	1	6	4	25	11	25	0	1	0	0	1	12	7	16	9	7	2	2	1	0	3	1	0	0	134	
OR 1988	0	0	0	0	0	0	0	0	0	0	1	1	1	1	8	6	5	1	1	1	0	0	0	0	26	
UT 1988	0	0	0	0	0	0	0	0	0	1	2	9	6	15	3	1	1	0	0	1	0	0	0	0	39	
WY 1988	0	0	0	0	0	0	1	0	0	0	1	3	5	6	1	1	0	0	1	0	0	0	0	0	19	
SUM	1	6	4	25	11	42	10	7	5	18	34	74	67	78	55	33	20	8	8	13	3	1	5	0	528	
MAXIMUM	1	6	4	25	11	25	3	3	2	5	12	14	19	16	12	7	5	5	5	5	3	1	5	0	25	

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1989	0	0	0	0	0	0	0	2	2	0	0	1	6	0	0	1	1	0	0	0	0	0	0	0	13	
AZ 1989	1	0	0	0	0	0	0	1	0	2	0	1	7	0	0	0	0	0	1	0	0	1	0	0	14	
CA 1989	0	0	0	0	0	4	1	0	0	1	1	1	5	3	2	5	2	1	0	0	8	0	0	0	34	
CO 1989	0	0	0	0	0	0	1	1	0	0	0	4	8	2	1	2	6	1	2	0	0	0	0	0	22	
ID 1989	0	0	0	0	0	0	0	0	0	0	1	2	7	39	6	2	2	4	0	0	0	0	0	0	63	
MT 1989	0	0	0	0	0	0	1	0	0	0	0	0	1	1	2	2	1	1	0	0	0	0	0	0	9	
NM 1989	0	0	0	0																						

**RETARDANT PLANE-DAYS BY YEAR - BUREAU OF LAND MANAGEMENT**

PLANE DAYS	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC	SUM	
GEO	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	D-G	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1990	0	0	0	0	0	0	0	0	0	5	0	4	29	7	2	0	0	0	0	0	0	0	0	0	0	48
AZ 1990	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
CA 1990	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	0	1	0	0	0	0	1	0	0	0	7
CO 1990	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	4
ID 1990	0	0	0	0	0	0	0	0	1	0	0	1	1	2	4	1	1	1	1	0	0	0	0	0	0	12
MT 1990	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	2	1	0	0	0	0	0	0	0	0	6
NM 1990	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4
NV 1990	1	0	1	0	1	1	0	0	0	0	1	1	2	3	0	1	0	0	0	0	1	2	0	0	0	13
OR 1990	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	0	1	0	0	0	0	0	0	0	0	9
UT 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3
WY 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
SUM	1	0	1	0	1	1	1	1	1	5	1	9	35	14	22	4	5	1	1	1	1	2	0	0	108	
MAXIMUM	1	0	1	0	1	1	0	0	1	5	1	4	29	7	5	2	1	1	1	0	1	2	0	0	77	

PLANE DAYS	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC	SUM	
GEO	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	D-G	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1991	0	0	0	0	0	0	0	0	0	1	5	18	11	1	0	0	1	0	0	0	0	0	0	0	0	38
AZ 1991	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6
CA 1991	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	5
CO 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ID 1991	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	7	0	1	0	1	0	0	0	0	0	17
MT 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	2	1	0	0	0	0	0	5
NM 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
NV 1991	0	0	0	1	1	2	0	0	0	0	0	0	1	3	1	2	0	0	1	0	3	1	0	1	1	15
OR 1991	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	6
UT 1991	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
WY 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
SUM	0	4	0	1	1	4	1	1	0	1	6	19	17	9	6	11	3	2	3	4	3	2	0	1	98	
MAXIMUM	0	4	0	1	1	3	0	1	0	1	5	18	11	3	2	7	1	1	2	1	3	1	0	1	44	

PLANE DAYS	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC	SUM	
GEO	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	D-G	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1992	0	0	0	0	0	0	0	0	1	1	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0	9
AZ 1992	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
CA 1992	0	0	0	0	0	0	0	0	1	1	1	1	1	2	5	1	1	0	0	0	0	0	0	0	0	13
CO 1992	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
ID 1992	0	0	0	0	0	0	1	0	0	1	2	3	1	3	9	5	1	1	1	0	0	0	0	0	0	28
MT 1992	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	0	1	0	1	0	0	0	0	0	0	5
NM 1992	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	3
NV 1992	0	0	1	1	1	1	0	0	0	0	1	1	0	1	4	1	0	0	0	0	0	0	0	0	0	11
OR 1992	0	0	0	0	0	0	0	0	0	1	3	2	1	2	2	1	0	1	0	0	0	0	0	0	0	12
UT 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
WY 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SUM	0	0	1	1	1	1	2	0	3	5	10	9	5	9	19	13	3	4	3	0	0	0	0	0	89	
MAXIMUM	0	0	1	1	1	1	1	0	1	1	3	3	1	3	9	5	1	1	2	0	0	0	0	0	0	24

PLANE DAYS	JAN	JAN	FEB	FEB	MAR	MAR	APR	APR	MAY	MAY	JUN	JUN	JUL	JUL	AUG	AUG	SEP	SEP	OCT	OCT	NOV	NOV	DEC	DEC	SUM	
GEO	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	D-G	
AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1993	0	0	0	0	0	0	0	1	1	1	1	2	0	1	4	1	0	0	0	0	0	0	0	0	11	
AZ 1993	0	0	0	0	0	0	1	2	1	1	4	2	2	2	2	2	1	1	0	1	1	1	0	0	18	
CA 1993	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	4	
CO 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	
ID 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MT 1993	0	0	0	0	0	0	0	0	1	2	4	2	2	0	1	0	0	0	0	0	0	0	0	0	11	
NM 1993	0	0	0	0	0	0	0	0	0	0	0	1	0	2	4	0	1	0	0	0	0	0	0	0	8	
NV 1993	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	1	0	0	0	0	0	4	
OR 1993	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	1	1	0	0	0	0	0	0	0	5	
UT 1993	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
WY 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SUM	0	0	0	0	0	0	0	2	3	4	5	10	7	5	13	4	3	2	1	2	1	1	0	0	65	
MAXIMUM	0	0	0	0	0	0	0	1	2	2	4	4	2	2	4	2	1	1	0	1	1	1	0	0	16	

**SIZE CLASS D-G FIRE OCCURRENCE BY YEAR - BUREAU OF LAND MANAGEMENT**

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1990	0	0	0	0	0	0	0	0	0	18	1	8	77	16	7	1	0	0	0	0	0	0	0	0	128
AZ 1990	0	0	0	0	0	0	1	0	0	0	0	3	1	0	0	0	0	0	0	0	1	0	0	0	6
CA 1990	0	0	0	0	0	1	0	0	0	0	0	1	2	0	12	0	2	0	0	0	2	0	0	0	20
CO 1990	0	0	0	0	0	0	0	1	0	0	1	2	3	1	2	3	2	1	0	0	0	0	0	0	16
ID 1990	0	0	0	0	0	0	0	0	2	0	0	3	3	7	12	2	5	2	3	1	0	0	0	0	40
MT 1990	0	0	0	0	0	0	0	0	0	0	0	0	6	0	3	7	3	0	1	0	0	0	0	0	20
NM 1990	0	0	0	0	0	1	1	2	2	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	15
NV 1990	3	0	3	1	2	3	1	0	0	0	0	2	3	6	10	0	4	0	1	1	2	6	1	1	50
OR 1990	0	0	0	0	0	0	1	0	0	0	0	0	5	8	12	1	2	1	0	0	0	0	0	0	30
UT 1990	0	0	0	0	0	0	0	0	0	0	0	1	1	1	8	0	0	0	0	0	0	0	0	0	11
WY 1990	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	4
SUM	3	0	3	1	2	4	4	3	4	20	5	26	101	39	68	15	18	4	5	2	5	6	1	1	340
MAXIMUM	3	0	3	1	2	3	1	1	2	18	3	8	77	16	12	7	5	2	3	1	2	6	1	1	77

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1991	0	0	0	0	0	0	0	0	0	2	15	44	28	3	0	1	2	0	0	0	0	0	0	0	95
AZ 1991	0	6	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	1	0	0	0	3	0	0	14
CA 1991	0	0	0	0	10	0	2	0	0	0	0	1	0	0	0	0	1	0	1	2	0	2	0	0	19
CO 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ID 1991	0	0	0	0	0	0	0	0	0	0	0	0	13	8	6	24	1	4	1	3	0	0	0	0	60
MT 1991	0	0	0	0	0	1	0	0	0	0	0	0	0	2	4	3	2	0	0	6	2	0	0	0	20
NM 1991	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	6
NV 1991	0	0	1	2	5	7	0	0	0	0	0	0	2	11	2	6	0	0	3	0	12	3	0	3	57
OR 1991	0	0	0	0	0	0	0	0	0	0	0	0	4	4	3	4	2	2	1	1	0	0	0	0	21
UT 1991	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	1	1	0	0	1	0	0	0	0	8
WY 1991	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3	1	0	1	1	1	1	0	0	0	9
SUM	0	6	1	2	5	17	3	3	1	3	16	46	51	30	21	41	9	8	13	10	12	8	0	3	309
MAXIMUM	0	6	1	2	5	10	1	2	1	2	15	44	28	11	6	24	2	4	6	3	12	3	0	3	44

FIRES D-F	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1992	0	0	0	0	0	0	0	0	4	3	6	4	5	6	3	0	0	0	0	0	0	0	0	0	31
AZ 1992	0	0	0	0	0	0	1	0	1	1	1	2	1	1	0	1	0	0	0	0	0	0	0	0	8
CA 1992	0	0	0	0	0	0	0	0	4	3	4	2	2	4	5	13	3	3	1	0	0	0	0	0	44
CO 1992	0	0	0	0	0	2	0	0	0	1	1	1	1	0	3	1	0	0	0	0	0	0	0	0	9
ID 1992	0	0	0	0	0	3	0	1	2	8	10	4	12	24	15	3	4	4	1	0	0	0	0	0	91
MT 1992	0	0	0	0	0	0	2	4	4	4	0	0	0	0	2	0	1	1	1	0	0	0	0	0	17
NM 1992	0	0	0	0	0	2	0	0	0	0	1	2	0	0	0	0	1	1	5	0	0	0	0	0	12
NV 1992	0	0	3	5	2	3	1	0	0	1	4	3	0	3	10	4	0	1	1	0	0	0	0	0	41
OR 1992	0	0	0	0	0	0	0	1	3	9	7	3	6	7	2	1	2	0	0	0	0	0	0	0	41
UT 1992	0	0	0	0	0	0	0	0	1	0	0	0	1	3	5	3	0	0	0	0	0	0	0	0	13
WY 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
SUM	0	0	3	5	2	3	8	1	12	18	37	30	18	34	58	43	11	13	12	1	0	0	0	0	309
MAXIMUM	0	0	3	5	2	3	3	1	4	4	9	10	5	12	24	15	3	4	5	1	0	0	0	0	24

FIRES D-G	JAN 1	JAN 2	FEB 1	FEB 2	MAR 1	MAR 2	APR 1	APR 2	MAY 1	MAY 2	JUN 1	JUN 2	JUL 1	JUL 2	AUG 1	AUG 2	SEP 1	SEP 2	OCT 1	OCT 2	NOV 1	NOV 2	DEC 1	DEC 2	SUM
GEO AREA YEAR	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G
AK 1993	0	0	0	0	0	0	0	3	3	3	4	6	1	2	16	3	1	0	0	0	0	0	0	0	42
AZ 1993	0	0	0	0	0	0	2	6	5	2	13	6	6	5	5	5	2	0	3	2	2	0	0	0	64
CA 1993	0	0	0	0	0	0	0	0	0	0	0	0	4	1	3	3	0	1	1	0	0	0	0	0	13
CO 1993	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	1	0	1	2	1	0	0	0	0	8
ID 1993	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
MT 1993	0	0	0	0	0	1	0	2	7	10	7	5	1	2	0	0	0	0	0	0	0	0	0	0	35
NM 1993	0	0	0	0	0	0	0	0	1	0	2	0	6	13	0	3	1	1	0	0	0	0	0	0	27
NV 1993	0	0	0	0	1	0	0	0	0	0	2	1	2	3	1	1	2	1	2	0	0	0	0	0	16
OR 1993	0	0	0	0	0	0	0	0	0	0	2	6	2	6	2	2	0	1	0	0	0	0	0	0	21
UT 1993	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3
WY 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM	0	0	0	0	0	1	1	6	11	16	16	34	26	20	50	14	13	8	5	5	2	2	0	0	230
MAXIMUM	0	0	0	0	0	1	1	3	6	7	10	13	6	6	16	5	5	2	1	3	2	2	0	0	16

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AK 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.9	2.1	2.9	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
MAXIMUM	0	0	0	0	0	0	0	0	1	5	7	18	29	10	3	0	0	1	0	0	0	0	0	0	77

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AK 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AK 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.5	2.5	5.7	7.6	2.9	1.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	22.1
MAX D-G	0	0	0	0	0	0	0	0	1	2	4	18	22	44	77	30	9	1	2	0	0	0	0	0	77.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER													
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G												
AK 1970	1	1	1	1	2	2	1	1	2	2	1	1												
AK 1971																								
AK 1972																								
AK 1973																								
AK 1974																								
AK 1975																								
AK 1976																								
AK 1977																								
AK 1978																								
AK 1979																								
AK 1980																								
AK 1981																								
AK 1982																								
AK 1983																								
AK 1984																								
AK 1985																								
AK 1986																								
AK 1987																								
AK 1988																								
AK 1989																								
AK 1990																								
AK 1991																								
AK 1992																								
AK 1993																								
AVERAGE =	0.0	0.0	0.1	0.0	0.4	0.0	1.3	0.2	1.9	0.7	3.8	1.9	4.8	2.9	1.8	1.1	0.8	0.2	0.2	0.0	0.1	0.0	0.0	0.0
MAXIMUM =	1	0	2	1	4	0	17	1	17	5	23	21	49	28	22	10	8	2	1	0	1	1	0	0
MAX D-F =	1	0	2	1	4	0	17	1	17	5	23	21	49	28	22	10	8	2	1	0	1	1	0	0
MAX G =	0	0	1	0	0	0	1	5	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
AK 1970																								
AK 1971																								
AK 1972																								
AK 1973																								
AK 1974																								
AK 1975																								
AK 1976																								
AK 1977																								
AK 1978																								
AK 1979																								
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AK 1985																								
AK 1986																								
AK 1987																								
AK 1988																								
AK 1989																								
AK 1990																								
AK 1991																								
AK 1992																								
AK 1993																								
AVERAGE =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX D-F =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX G =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIZE D-F 24 YR 15.1  
 AVG/MAX 49.0  
 SIZE G 24 YR 7.0  
 AVG/MAX 28.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AREA YEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.6	0.4	0.5	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.7
MAXIMUM	0	0	0	0	0	0	0	1	1	1	1	2	3	2	2	4	1	1	1	0	0	0	0	0	24

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
AREA YEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.0	2.0	1.4	1.5	1.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.9
MAX D-G	0	0	0	0	0	0	0	2	3	3	4	7	7	24	16	3	3	1	1	1	0	0	0	0	24.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		SEPTEMBER	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
AZ 1970	1	1	2	2	1	1	2	1	2	1	2	1	2	2
AZ 1971														
AZ 1972														
AZ 1973														
AZ 1974														
AZ 1975														
AZ 1976														
AZ 1977														
AZ 1978														
AZ 1979														
AZ 1980														
AZ 1981														
AZ 1982														
AZ 1983	1		1		1		7		3		1			
AZ 1984			2		3		5		1		1			
AZ 1985														
AZ 1986	1		3		5		1		1		1		1	
AZ 1987	2		3		1		4		3		1			
AZ 1988	2		1		2		3		5					
AZ 1989	1		1		1		6		1					
AZ 1990	1		1		2		1		1		1		1	
AZ 1991	1		1		2		1		1		1		1	
AZ 1992	2		3		5		1		2		3		1	
AZ 1993	2		1		4		1		16		3		0.2	0.0
AZ 1994	2		1		1.8		1.4		0.3		0.0		0.0	0.1
AZ 1995	2		3		0.9		0.0		1.4		0.1		0.3	0.0
AZ 1996	2		3		0.8		0.0		0.3		0.0		0.2	0.0
AZ 1997	2		4		0.0		0.0		0.0		0.0		0.0	0.0
AZ 1998	2		4		0.0		0.0		0.0		0.0		0.0	0.0
AZ 1999	2		3		0.6		1.7		1.8		6		16	2
AZ 2000	2		3		0.6		7		18		6		16	3
AZ 2001	2		4		0.0		1		18		6		16	3
AZ 2002	2		4		0.0		1		18		6		16	3
AZ 2003	2		4		0.0		1		18		6		16	3
AZ 2004	2		4		0.0		1		18		6		16	3
AZ 2005	2		4		0.0		1		18		6		16	3
AZ 2006	2		4		0.0		1		18		6		16	3
AZ 2007	2		4		0.0		1		18		6		16	3
AZ 2008	2		4		0.0		1		18		6		16	3
AZ 2009	2		4		0.0		1		18		6		16	3
AZ 2010	2		4		0.0		1		18		6		16	3
AZ 2011	2		4		0.0		1		18		6		16	3
AZ 2012	2		4		0.0		1		18		6		16	3
AZ 2013	2		4		0.0		1		18		6		16	3
AZ 2014	2		4		0.0		1		18		6		16	3
AZ 2015	2		4		0.0		1		18		6		16	3
AZ 2016	2		4		0.0		1		18		6		16	3
AZ 2017	2		4		0.0		1		18		6		16	3
AZ 2018	2		4		0.0		1		18		6		16	3
AZ 2019	2		4		0.0		1		18		6		16	3
AZ 2020	2		4		0.0		1		18		6		16	3
AZ 2021	2		4		0.0		1		18		6		16	3
AZ 2022	2		4		0.0		1		18		6		16	3
AZ 2023	2		4		0.0		1		18		6		16	3
AZ 2024	2		4		0.0		1		18		6		16	3
AZ 2025	2		4		0.0		1		18		6		16	3
AZ 2026	2		4		0.0		1		18		6		16	3
AZ 2027	2		4		0.0		1		18		6		16	3
AZ 2028	2		4		0.0		1		18		6		16	3
AZ 2029	2		4		0.0		1		18		6		16	3
AZ 2030	2		4		0.0		1		18		6		16	3
AZ 2031	2		4		0.0		1		18		6		16	3
AZ 2032	2		4		0.0		1		18		6		16	3
AZ 2033	2		4		0.0		1		18		6		16	3
AZ 2034	2		4		0.0		1		18		6		16	3
AZ 2035	2		4		0.0		1		18		6		16	3
AZ 2036	2		4		0.0		1		18		6		16	3
AZ 2037	2		4		0.0		1		18		6		16	3
AZ 2038	2		4		0.0		1		18		6		16	3
AZ 2039	2		4		0.0		1		18		6		16	3
AZ 2040	2		4		0.0		1		18		6		16	3
AZ 2041	2		4		0.0		1		18		6		16	3
AZ 2042	2		4		0.0		1		18		6		16	3
AZ 2043	2		4		0.0		1		18		6		16	3
AZ 2044	2		4		0.0		1		18		6		16	3
AZ 2045	2		4		0.0		1		18		6		16	3
AZ 2046	2		4		0.0		1		18		6		16	3
AZ 2047	2		4		0.0		1		18		6		16	3
AZ 2048	2		4		0.0		1		18		6		16	3
AZ 2049	2		4		0.0		1		18		6		16	3
AZ 2050	2		4		0.0		1		18		6		16	3
AZ 2051	2		4		0.0		1		18		6		16	3
AZ 2052	2		4		0.0		1		18		6		16	3
AZ 2053	2		4		0.0		1		18		6		16	3
AZ 2054	2		4		0.0		1		18		6		16	3
AZ 2055	2		4		0.0		1		18		6		16	3
AZ 2056	2		4		0.0		1		18		6		16	3
AZ 2057	2		4		0.0		1		18		6		16	3
AZ 2058	2		4		0.0		1		18		6		16	3
AZ 2059	2		4		0.0		1		18		6		16	3
AZ 2060	2		4		0.0		1		18		6		16	3
AZ 2061	2		4		0.0		1		18		6		16	3
AZ 2062	2		4		0.0		1		18		6		16	3
AZ 2063	2		4		0.0		1		18		6		16	3
AZ 2064	2		4		0.0		1		18		6		16	3
AZ 2065	2		4		0.0		1		18		6		16	3
AZ 2066	2		4		0.0		1		18		6		16	3
AZ 2067	2		4		0.0		1		18		6		16	3
AZ 2068	2		4		0.0		1		18		6		16	3
AZ 2069	2		4		0.0		1		18		6		16	3
AZ 2070	2		4		0.0		1		18		6		16	3
AZ 2071	2		4		0.0		1		18		6		16	3
AZ 2072	2		4		0.0		1		18		6		16	3
AZ 2073	2		4		0.0		1		18		6		16	3
AZ 2074	2		4		0.0		1		18		6		16	3
AZ 2075	2		4		0.0		1		18		6		16	3
AZ 2076	2		4		0.0		1		18		6		16	3
AZ 2077	2		4		0.0		1		18		6		16	3
AZ 2078	2		4		0.0		1		18		6		16	3
AZ 2079	2		4		0.0		1		18		6		16	3
AZ 2080	2		4		0.0		1		18		6		16	3
AZ 2081	2		4		0.0		1		18		6		16	3
AZ 2082	2		4		0.0		1		18		6		16	3
AZ 2083	2		4		0.0		1		18		6		16	3
AZ 2084	2		4		0.0		1		18		6		16	3
AZ 2085	2		4		0.0		1		18		6		16	3
AZ 2086	2		4		0.0		1		18		6		16	3
AZ 2087	2		4		0.0		1		18		6		16	3
AZ 2088	2		4		0.0		1		18		6		16	3
AZ 2089	2		4		0.0		1		18		6		16	3
AZ 2090	2		4		0.0		1		18		6		16	3
AZ 2091	2		4		0.0		1		18		6		16	3
AZ 2092	2		4		0.0		1		18		6		16	3
AZ 2093	2		4		0.0		1		18		6		16	3
AZ 2094	2		4		0.0		1		18		6		16	3
AZ 2095	2		4		0.0		1		18		6		16	3
AZ 2096	2		4		0.0		1		18		6		16	3
AZ 2097	2		4		0.0		1		18		6		16	3
AZ 2098	2		4		0.0		1		18		6		16	3
AZ 2099	2		4		0.0		1		18		6		16	3
AZ 2100	2		4		0.0		1		18		6		16	3
AZ 2101	2		4		0.0		1		18		6		16	3
AZ 2102	2		4		0.0		1		18		6		16	3
AZ 2103	2		4		0.0		1		18					

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
CA 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.3	0.7	0.9	0.7	0.7	0.5	0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.0	5.7
MAXIMUM	0	0	0	0	0	0	0	1	2	2	1	4	5	4	5	5	2	2	1	1	1	0	0	0	15

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
CA 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.7	1.5	1.0	2.3	3.1	2.3	2.4	2.3	1.7	0.7	0.5	0.0	0.0	0.0	0.0	15.5
MAX D-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.0





Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
CO 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	2.1
MAXIMUM	0	0	0	0	0	0	0	0	0	0	1	2	2	3	2	1	1	1	1	1	1	0	0	0	11

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
CO 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	8.0
MAX D-G	0	0	0	0	0	0	0	0	0	0	1	2	2	3	2	1	1	1	1	1	1	0	0	0	11.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO YEAR AREA	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	
CO 1970	1	2	1	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
CO 1971																									
CO 1972																									
CO 1973																									
CO 1974																									
CO 1975																									
CO 1976																									
CO 1977																									
CO 1978																									
CO 1979																									
CO 1980																									
CO 1981																									
CO 1982																									
CO 1983																									
CO 1984																									
CO 1985																									
CO 1986																									
CO 1987																									
CO 1988																									
CO 1989																									
CO 1990																									
CO 1991																									
CO 1992																									
CO 1993																									
AVERAGE =	0.1	0.0	0.1	0.0	0.1	0.0	0.3	0.0	1.0	0.0	1.5	0.1	1.3	0.0	1.0	0.0	0.9	0.1	0.5	0.0	0.4	0.0			
MAXIMUM =	2	0	1	0	3	0	4	0	6	0	9	1	10	1	6	0	3	1	2	0	4	0			
MAX D-F =	2	0	1	0	3	0	4	0	6	0	9	1	10	1	6	0	3	1	2	0	4	0			
MAX G =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

SIZE  
D-F  
24 YR  
AVG/MAX  
-----  
7.8  
10.0

SIZE  
G  
24 YR  
AVG/MAX  
-----  
0.2  
1.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.5	1.3	2.3	2.4	2.9	2.0	0.8	0.7	0.4	0.2	0.0	0.0	0.0	0.0	13.9
MAXIMUM	0	0	0	0	0	0	0	2	2	1	6	7	14	11	20	13	3	5	1	1	0	0	0	0	51

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.4	0.1	1.8	4.6	7.6	8.3	6.9	3.0	2.4	1.4	0.8	0.0	0.0	0.0	47.0
MAX D-G	0	0	0	0	0	0	0	0	0	0	2	18	27	38	39	51	38	10	13	5	0	0	0	0	51.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
ID 1970	1	2	1	1	2	1	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2
ID 1971																								
ID 1972																								
ID 1973																								
ID 1974																								
ID 1975																								
ID 1976																								
ID 1977																								
ID 1978																								
ID 1979																								
ID 1980																								
ID 1981																								
ID 1982																								
ID 1983																								
ID 1984																								
ID 1985																								
ID 1986																								
ID 1987																								
ID 1988																								
ID 1989																								
ID 1990																								
ID 1991																								
ID 1992																								
ID 1993																								
AVERAGE	0.5	0.0	0.3	0.0	0.4	0.0	0.1	0.0	1.7	0.2	4.3	0.3	6.5	1.1	7.4	0.9	6.8	2.0	6.0	0.9	2.9	0.1	2.2	0.2
MAXIMUM	8	0	6	0	3	0	2	0	14	4	26	2	28	12	35	5	30	21	28	10	10	1	10	4
MAX D-F	8		3		2		0		14		26		28		35		30		28		10		10	
MAX G	0		0		0		0		4		4		4		12		5		21		10		1	

GEO AREA YEAR	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
ID 1970	1	2	1	1	2	1	1	2	1	1	2	2
ID 1971												
ID 1972												
ID 1973												
ID 1974												
ID 1975												
ID 1976												
ID 1977												
ID 1978												
ID 1979												
ID 1980												
ID 1981												
ID 1982												
ID 1983												
ID 1984												
ID 1985												
ID 1986												
ID 1987												
ID 1988												
ID 1989												
ID 1990												
ID 1991												
ID 1992												
ID 1993												
AVERAGE	1.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM	5	0	5	0	0	0	0	0	0	0	0	0
MAX D-F	5		0		0		0		0		0	
MAX G	0		0		0		0		0		0	

SIZE D-F	24 YR AVG/MAX	SIZE G	24 YR AVG/MAX
41.3	35.0	5.8	21.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE GEO AREA YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM		
	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	2	D-G
MT 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRES GEO AREA YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM		
	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	2	D-G
MT 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX D-G=	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
MT 1970	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1971	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1972	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1973	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1974	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1975	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1976	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1977	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1978	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1979	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1980	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1981	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1982	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1983	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1984	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1985	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1986	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1987	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1988	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1989	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1990	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1991	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1992	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MT 1993	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AVERAGE =	0.0	0.0	0.4	0.0	0.2	0.0	0.4	0.0	0.5	0.1	0.8	0.1	1.3	0.0	1.0	0.0	1.7	0.0	1.6	0.2	0.5	0.1	0.1	0.1
MAXIMUM =	1	1	3	1	2	0	4	1	5	1	9	2	9	1	8	1	9	0	7	2	3	1	1	1
MAX D-F =	1	1	3	1	2	0	4	1	5	1	9	2	9	1	8	1	9	0	7	2	3	1	1	1
MAX G =	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GEO AREA	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT
YEAR	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
AVERAGE =	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM =	6	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX D-F =	6	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX G =	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIZE D-F  
24 YR AVG/MAX  
-----  
8.9  
9.0

SIZE G  
24 YR AVG/MAX  
-----  
0.8  
2.0





Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO YEAR AREA	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		SEPTEMBER	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
NM 1970	1	1	2	1	1	2	1	1	2	1	1	1	2	2
NM 1971														
NM 1972														
NM 1973														
NM 1974														
NM 1975														
NM 1976														
NM 1977														
NM 1978														
NM 1979														
NM 1980														
NM 1981														
NM 1982														
NM 1983														
NM 1984														
NM 1985														
NM 1986														
NM 1987														
NM 1988														
NM 1989														
NM 1990														
NM 1991														
NM 1992														
NM 1993														
AVERAGE = 0.4 0.0 0.7 0.0 0.3 0.0 1.0 0.0 0.8 0.2 1.8 0.1 0.8 0.0 0.3 0.0 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0														
MAXIMUM = 2 0 8 0 3 1 7 0 6 4 21 1 9 1 4 0 3 0 1 0 1 0 1 0 1 0														
MAX D-F = 2 0 8 0 3 1 7 0 6 4 21 1 9 1 4 0 3 0 1 0 1 0 1 0 1 0														
MAX G =														
OCTOBER														
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		MARCH		
D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	
1	2	1	1	1	2	1	1	2	2	1	1	2	2	
NM 1970														
NM 1971														
NM 1972														
NM 1973														
NM 1974														
NM 1975														
NM 1976														
NM 1977														
NM 1978														
NM 1979														
NM 1980														
NM 1981														
NM 1982														
NM 1983														
NM 1984														
NM 1985														
NM 1986														
NM 1987														
NM 1988														
NM 1989														
NM 1990														
NM 1991														
NM 1992														
NM 1993														
AVERAGE = 0.2 0.0														
MAXIMUM = 4 1 0														
MAX D-F = 4 1 0														
MAX G =														

SIZE  
D-F  
24 YR  
AVG/MAX  
-----  
6.8  
21.0

SIZE  
G  
24 YR  
AVG/MAX  
-----  
0.4  
4.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE AREA	DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G
		D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
NV	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.4	0.9	1.8	1.5	1.3	1.0	0.4	0.2	0.1	0.0	0.0	0.0	0.0	8.1
MAXIMUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRE AREA	DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G
		D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
NV	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NV	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.1	0.5	3.4	5.6	4.4	3.5	1.3	0.6	0.5	0.0	0.0	0.0	0.0	0.0	27.5
MAX D-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO AREA	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
NV 1970	1	1	2	1	2	1	1	1	2	2	1	1	2	2	1	1	1	1	2	2	1	1	1	2
NV 1971																								
NV 1972																								
NV 1973																								
NV 1974																								
NV 1975																								
NV 1976																								
NV 1977																								
NV 1978																								
NV 1979																								
NV 1980	1	1	2	1	3	1	4	2	9	2	7	6	1	3	1	4	1	3	1	4	1	7	4	2
NV 1981																								
NV 1982																								
NV 1983	1	1	2	1	3	2	8	1	15	1	10	2	4	4	4	4	4	4	4	4	4	4	4	3
NV 1984	1	1	4	1	12	3	16	4	9	10	2	12	3	4	4	4	4	4	4	4	4	4	4	2
NV 1985	1	1	8	1	4	1	23	3	44	22	4	22	6	4	4	4	4	4	4	4	4	4	4	2
NV 1986																								
NV 1987	1	2	1	1	1	1	4	1	7	3	1	2	1	2	2	1	1	1	1	1	2	1	1	1
NV 1988	1	1	1	1	1	1	7	1	13	3	8	1	5	2	1	1	2	1	1	1	2	1	1	2
NV 1989																								
NV 1990	1	1	3	3	2	2	3	7	6	1	4	1	1	1	1	4	1	1	1	1	1	1	1	4
NV 1991																								
NV 1992	1	1	1	4	3	3	2	3	11	1	1	6	4	1	1	6	4	1	1	1	6	4	1	1
NV 1993																								
AVERAGE =	0.3	0.0	0.3	0.0	0.1	0.0	0.8	0.0	1.3	0.2	3.1	0.3	4.4	1.2	4.7	0.5	3.9	0.5	3.0	0.5	1.3	0.1	0.6	0.0
MAXIMUM =	1	0	2	0	1	0	8	1	12	3	23	3	44	22	25	4	13	3	22	6	4	1	3	1
MAX D-F =	1	0	1	0	1	0	8	1	12	3	23	3	44	22	25	4	13	3	22	6	4	1	3	1
MAX G =	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIZE D-F 24 YR AVG/MAX 24.3 44.0  
 SIZE G 24 YR AVG/MAX 3.3 22.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM	
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G		D-G
OR 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	1.2	1.3	2.0	1.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	7.5	
MAXIMUM	0	0	0	0	0	0	0	0	0	1	3	4	13	7	13	7	2	2	1	1	1	0	0	0	41	

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
OR 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5	1.1	1.8	3.5	4.0	6.5	4.6	1.2	0.7	0.6	0.4	0.0	0.0	24.7
MAX D-G	0	0	0	0	0	0	0	0	0	1	3	13	13	34	21	41	21	5	3	5	2	0	0	0	41.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO YEAR AREA	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
OR 1970	1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2
OR 1971																								
OR 1972																								
OR 1973																								
OR 1974																								
OR 1975																								
OR 1976																								
OR 1977																								
OR 1978																								
OR 1979																								
OR 1980																								
OR 1981																								
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OR 1983																								
OR 1984																								
OR 1985																								
OR 1986																								
OR 1987																								
OR 1988																								
OR 1989																								
OR 1990																								
OR 1991																								
OR 1992																								
OR 1993																								
AVERAGE =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM =	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
MAX D-F =	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
MAX G =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIZE  
D-F  
24 YR  
AVG/MAX  
-----  
21.1  
32.0

SIZE  
G  
24 YR  
AVG/MAX  
-----  
3.6  
14.0

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE GEO AREA	DAYS 1 2	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G D-G
		D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
UT	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	1.3	0.8	0.8	0.6	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	5.4
MAXIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.3	1.7	0.5	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	22

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRES GEO AREA	D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G D-G
		D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
UT	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UT	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	3.4	4.3	3.0	2.3	1.3	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0	19.3
MAX D-G	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	1.3	2.2	1.6	2.0	1.5	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	22.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
UT 1970	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1971	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
UT 1972	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1973	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1974	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1975	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1976	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1977	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1978	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1979	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1980	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1981	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1982	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1983	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1984	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1985	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1986	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1987	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1988	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1989	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1990	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1991	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1992	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UT 1993	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AVERAGE =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX D-F =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX G =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIZE D-F 24 YR AVG/MAX 17.9 19.0  
 SIZE G 24 YR AVG/MAX 1.4 5.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

PLANE DAYS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
WY 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRES D-G	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM
	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	D-G	
WY 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WY 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX D-G=	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		SEPTEMBER	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
WY 1970	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1971	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1972	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1973	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1974	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1975	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1976	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1977	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1978	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1979	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1980	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1981	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1982	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1983	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1984	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1985	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1986	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1987	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1988	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1989	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1990	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1991	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1992	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1993	1	1	2	1	1	2	1	1	2	1	1	2	1	2
AVERAGE =	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
MAXIMUM =	1	0	1	0	0	0	0	0	0	1	0	0	0	0
MAX D-F =	1	0	1	0	0	0	0	0	0	1	0	0	0	0
MAX G =	0	0	0	0	0	0	0	0	0	0	0	0	0	0

GEO AREA YEAR	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		MARCH	
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G
WY 1970	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1971	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1972	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1973	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1974	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1975	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1976	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1977	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1978	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1979	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1980	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1981	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1982	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1983	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1984	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1985	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1986	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1987	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1988	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1989	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1990	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1991	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1992	1	1	2	1	1	2	1	1	2	1	1	2	1	2
WY 1993	1	1	2	1	1	2	1	1	2	1	1	2	1	2
AVERAGE =	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM =	1	0	2	0	0	0	0	0	0	0	0	0	0	0
MAX D-F =	1	0	2	0	0	0	0	0	0	0	0	0	0	0
MAX G =	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIZE  
D-F  
24 YR  
AVG/MAX  
-----  
3.5  
5.0

SIZE  
G  
24 YR  
AVG/MAX  
-----  
0.2  
1.0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

RETARDANT PLANE-DAYS BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA AREA YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G
	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	
ALL 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

FIRE D-G GEO AREA YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		SUM D-G
	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	D-G	1	D-G	2	
ALL 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL 1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX D-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Fire Occurrence in Size Class D-G and Airtanker Plane-Days Estimation

SIZE CLASS D-G FIRE OCCURRENCE BY STATE - BUREAU OF LAND MANAGEMENT

BLM DATA GEO AREA YEAR	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	D-F	G	
ALL 1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALL 1980	1	0	3	0	2	4	1	10	1	61	12	38	6	66	10	51	8	72	13	24	1	17	5	0	
ALL 1981	2	0	2	0	3	1	4	0	20	3	22	3	22	3	42	2	19	0	1	0	0	0	0	0	
ALL 1982	0	0	1	0	0	0	0	14	2	32	2	76	15	51	6	60	4	18	4	25	1	21	1	0	
ALL 1983	1	0	7	0	0	0	0	21	6	41	1	70	14	39	0	73	18	42	7	19	0	16	0	0	
ALL 1984	1	0	1	0	9	0	13	1	13	2	74	10	128	53	60	10	35	1	70	12	8	0	3	0	
ALL 1985	2	0	2	0	3	0	0	18	2	54	4	56	12	24	4	99	33	33	1	23	4	2	0	0	
ALL 1986	2	0	2	0	0	0	5	0	18	2	54	4	56	12	24	4	99	33	33	1	23	4	2	0	
ALL 1987	11	0	13	0	9	1	4	1	39	6	40	5	33	1	37	2	29	1	37	7	19	3	20	1	
ALL 1988	9	1	16	1	5	0	0	32	2	62	12	54	13	70	8	50	5	29	4	14	6	5	3	0	
ALL 1989	3	0	14	0	5	0	11	0	13	0	37	1	64	6	56	8	28	0	23	0	8	0	8	0	
ALL 1990	4	0	3	0	3	1	19	1	5	0	20	6	72	29	28	11	54	14	14	1	17	1	4	0	
ALL 1991	3	0	3	0	3	1	0	2	1	11	5	25	21	39	12	27	3	19	2	38	3	8	1	8	0
ALL 1992	8	0	1	0	12	0	18	0	35	2	27	3	18	0	32	2	45	13	36	7	10	1	12	1	
ALL 1993	1	0	5	1	10	1	16	0	29	9	37	4	27	6	41	9	49	2	13	2	13	2	13	0	
ALL 1994	1	0	5	1	10	1	16	0	29	9	37	4	27	6	41	9	49	2	13	2	13	2	13	0	
ALL 1995	1	0	5	1	10	1	16	0	29	9	37	4	27	6	41	9	49	2	13	2	13	2	13	0	
AVERAGE =	2.0	0.0	2.6	0.1	2.7	0.1	6.4	0.3	10.3	1.6	23.4	3.6	30.2	7.2	26.8	3.9	27.0	4.5	20.5	2.7	9.3	0.8	5.4	0.5	
MAXIMUM =	11	1	14	1	12	1	19	2	39	9	74	21	128	53	75	15	99	33	72	13	25	6	21	5	
MAX D-F =	11	1	14	1	12	1	19	2	39	9	74	21	128	53	75	15	99	33	72	13	25	6	21	5	
MAX G =	1	1	1	1	2	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1

SIZE  
D-F  
24 YR  
AVG/MAX  
-----  
173.1  
128.0

SIZE  
G  
24 YR  
AVG/MAX  
-----  
25.6  
53.0

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**APPENDIX N.**  
**Results of Questionnaire to Airtanker Bases**



A questionnaire was developed and it included the following questions. Where appropriate, a summary of the responses is given.

Personnel Staffing

P1. Is a qualified Airtanker Base Manager (ATBM) assigned to the base during the operational period of the contract airtanker as well as other periods of activity? Describe the type of ATBM appointment.

Responses for 75 bases indicate:

22 of the ATBM assigned are Permanent Full Time.

24 are Call When Needed.

14 are Permanent Part Time (WAE) employees.

6 are Temporary employees.

In some of the responses from State operated bases a person was assigned but was not a qualified Air Tanker Base Manager in accordance with the National Wildfire Coordinating Group guidelines. 5 bases have missing information.

P2. Describe the support personnel such as a Mixmaster, Ramp Manager, Aircraft Base Radio Operator, and Parking Tender that are staffed. Some of these positions may be furnished if a contract mixing and loading operation is used at the base.

12 bases indicate support personnel are provided by a Contractor.

10 bases indicate support personnel are Temporary employees hired for the season.

53 bases use a combination of temporary and CWN personnel for support.

P3. Other staffing issue comments.

The majority of the staffing issues raised is the need for some type of career appointment for the Air Tanker Base Manager position. There are several Core bases where the ATBM is a Temporary employee. There is a shortage of available trained personnel for extended operations and in some cases for seven day coverage. There is a need for a standard Air Tanker Base Organization and standard position descriptions.

Facilities

Describe the situation at the base for pilot rest and briefing area which includes the following. If it is felt that the situation is not adequate, give a brief description and estimated cost to correct the situation.

The responses indicate the overall condition of the facilities for 75 of the bases are:

48 bases indicate their facilities are satisfactory, no improvements needed.

18 of the bases indicated some improvements are needed with an estimated cost of \$425,000. 11 of the bases needing some improvement are Core bases and 7 are Reload bases.

8 bases indicated their facilities are not adequate and major improvements are needed at an estimated cost of \$375,000.

Some bases indicating a need for facilities improvement did not provide an estimate of the cost.

F1. Adequate bunk space for airtanker crews assigned.

44 bases indicated bunk space is adequate.

19 bases indicated their bunk space is somewhat adequate.

11 bases indicated their bunk space is inadequate. The majority of these bases are reload or temporary.

F2. Permanent rest room facilities for men and women.

53 bases indicated their rest room facilities are adequate.

15 bases indicated their rest room facilities are somewhat adequate.

6 bases indicated their rest room facilities are inadequate. These are primarily reload and temporary bases.

F3. Drinking water available.

53 bases indicated they had adequate drinking water on the base.

15 bases indicated they had somewhat adequate drinking water on the base.

6 bases indicated their drinking water was inadequate. Primarily reload and temporary bases.



F4. Availability of a refrigerator. Availability of a microwave oven or stove top heating device.

57 bases indicated a refrigerator and microwave and/or stove top heating device was available at the base.

13 bases indicated either one, but not both a refrigerator and microwave, stove top heating device was available.

4 bases indicated neither a refrigerator or microwave or stove top heating device was available at the base. Primarily reload or temporary bases.

F5. Emergency aid station with eye wash and shower capability

56 bases indicated an emergency aid station with eye wash and showers were adequate and available at the base.

10 bases indicated an emergency aid station with eye wash was available, but no showers.

8 bases indicated there was no eye wash or showers available at the base, or they were inadequate.

F6. Air conditioning to meet environmental needs

66 bases indicated air conditioning was adequate at the base. In some cases it is not needed due to climate.

8 bases indicated their air conditioning was somewhat adequate.

8 bases indicated their air conditioning was inadequate or non-existent and was needed.

F7. Other facilities issue comments.

Other facilities issues highlighted were:

More bunkspace is needed.

Aircraft noise is conflicting with base operations.

Need smoking area.

Space is adequate for day-to-day operations, but more space is needed for extended operations.

Equipment

Describe the situation at the base for equipment. If it is felt that the situation is not adequate, give a brief description and estimated cost to correct the situation.

The responses indicate the overall condition of the equipment at 80 of the bases are:

55 bases indicate the overall condition of the equipment is satisfactory, no improvements needed.

17 bases indicate the overall condition of the equipment is somewhat adequate, but some improvement is needed. The estimates furnished totaled \$336,000.

2 bases indicate the overall condition of the equipment is unsatisfactory. One of these bases is a Core base and one is a Temporary base. No estimate was furnished for the Temporary base and the estimate for the Core base is \$203,600.

- E1. Mixing/pumping/recirculation equipment necessary to deliver the retardant product to the aircraft.

55 bases indicated their mixing/pumping/recirculation system is adequate.

9 bases indicated their mixing/pumping/recirculation system is in need of improvement.

- E2. Adequate storage tanks for retardant and water. Tanks must be permanently mounted with base supports of substantial materials such as concrete or steel.

65 bases indicated their storage tanks for retardant and water are adequate.

9 bases indicated their storage tanks for retardant and water are in need of improvement.

- E3. Storage area for unmixed product if powder retardant is used.

27 bases indicated they had adequate storage for unmixed powder retardant.

The remaining bases indicated they did not need storage for dry powder because they used a liquid concentrate.

- E4. Fire extinguisher, aircraft type, minimum 20 pound. (One per loading/refueling port)

73 bases indicated adequate fire extinguishers were on site.

1 base indicated their fire extinguishers were in need of upgrading.

E5. Outside Audio System (Public Address)

60 bases indicated OK.

5 bases indicated somewhat OK.

9 bases indicated they did not have an adequate outside PA system.

E6. Telephone System (Not required in AK)

71 bases indicated OK.

3 bases indicated the telephone system needed improvement.

1 base indicated their telephone system was inadequate.

E7. Communications system (Headsets) for ramp personnel

59 bases indicated OK.

2 bases indicated their communication system could use some improvement.

13 bases indicated they did not have a communication system.

E8. Dispatch Radio System (VHF-AM and VHF-FM)

71 bases indicated OK.

1 bases indicated their dispatch radio system needed some improvement.

2 bases did not have a dispatch radio system. These are Temporary bases.

E9. Auxiliary-Powered Backup Blending system

64 bases indicated OK.

1 bases indicated their backup system needs improvement.

9 bases indicated they did not have a backup system.

E10. Chock blocks for home and transient aircraft.

73 bases indicated OK.

1 base indicated they did not have chock blocks available.

E11. First Aid Kit.

73 bases indicated OK.

2 bases indicated they needed to improve their first aid kit.

E12. Safety signs as appropriate.

73 bases indicated OK.

2 bases indicated their safety signs needed improvement.

E13. Approved Mass Flow Meter (Subject to funding limits)

40 bases reported they had at least one mass flow meter.

5 bases indicated their mass flow meter needed improvement.

29 bases indicated they did not have a mass flow meter. Some indicated they could use one if funds were available. There were some who indicated a mass flow meter was not needed.

E14. Night lighting system (Ramp Area).

50 bases indicated OK.

12 bases indicated their night lighting system needed improvement.

13 bases indicated they did not have a night lighting system.

E15. Availability of IBM-compatible (386 or 486) computer with math co-processor and Windows 3.1 (minimum) to operate CAHIS program.

58 bases indicated OK.

5 bases indicated their computer needed some improvement.

14 bases indicated they did not have a computer system available.

E16. Facsimile machine.

64 bases indicated OK.

4 bases indicated a facsimile machine was somewhat available.

9 bases indicated a facsimile machine was not available.

E17. Copy machine.

63 bases indicated OK.

4 bases indicated their copy machine needed improvement.

10 bases indicated a copy machine was not available.

E18. If base is government operated (not contract), miscellaneous parts and supplies to keep base operational.

72 bases indicated OK, or the spare parts and supplies were furnished by the contractor.

1 base indicated their spare parts and supplies needed improvement.

2 bases indicated they did not have spare parts and supplies on hand.

E19. Other equipment issue comments.

Other equipment issues raised were:

Mass Flow meter maintenance.

Washdown equipment needed.

Forklift maintenance.

Environmental Issues

Does the base fully meet all federal, state, and local requirements regarding wash down residues (retardant, oil, etc.)? These requirements may vary from discharge directly into storm drain systems, to total holding facilities with off-site disposal. If not, describe the capital improvements and costs that are estimated to meet requirements.

25 bases indicated yes.

13 bases indicated they somewhat met the requirements. Estimated cost (that were furnished) are \$1,066,574.

32 bases indicated they did not meet the requirements. Estimated cost (that were furnished) are \$7,362,000.

4 bases are missing this information.

Fueling Issues

Does the airport have adequate fueling capability for aviation gasoline as well as jet fuel. Can it fuel all type of airtankers including turbines? Are the capacities high enough to meet demand during periods of high activity? Might there be changes in the near future which might change the status of fueling at the base?

69 bases indicated they have adequate fueling capability for aviation gasoline.

1 base indicated the fueling capability for aviation gasoline needed improvement.

1 base indicated they did not have fueling capability for aviation gasoline.

66 bases indicated they had adequate fueling capability for jet fuel.

2 bases indicated the fueling capability for jet fuel needed improvement.

3 bases indicated they did not have fueling capability for jet fuel.

4 bases have missing information for fueling capability.

Base Plan Issues

Does the base location on the airport agree with the Airport Master Plan?

55 bases indicated their base location agreed with the Airport Master Plan.

2 bases indicate their base location somewhat agreed with the Airport Master Plan.

10 bases indicated their base location did not agree with the Airport Master Plan.

6 bases have missing information.

Is the base location a temporary arrangement with plans to move the base to another place on this airport or another airport? Estimate the cost of move if this is necessary? Has it been funded?

49 bases indicated there were no plans to move the base.

3 bases indicated there were some plans to move the base. Estimated cost of (where furnished is \$20,000.

16 bases indicated there are plans to move the base to another location. Estimated costs (where furnished) are \$39,408,000.

6 bases have missing information.

How many heavy airtankers can be parked overnight at the base?

Responses indicate from 1 to 20 airtankers can be parked overnight.

Are aircraft crash/rescue resources located on or near your airport? Describe. Are these crews trained annually on airtanker aircraft types most likely to be at the base?

50 bases indicated aircraft crash/rescue was trained and available on or near the airport.

12 bases indicated aircraft crash/rescue was available, but indicated some training or equipment was lacking.

7 bases indicated adequate aircraft crash/rescue was not available.

5 bases have missing information.

Does your water source meet purity, supply rate, and pressure requirements during periods of peak activity? If not, please explain.

64 bases indicated their water source is adequate during peak periods of activity.

5 bases indicated their water source is somewhat inadequate. Estimated cost (where furnished) \$400,000.

1 base indicated their water source is inadequate. This is a reload base. No cost estimate to improve the water supply furnished.

5 bases have missing information.

Will major repairs be needed on your ramp or loading pads in the near future? If so, estimate that expense.

28 bases indicated their ramp or loading pads will need major repairs in the near future. Estimated cost (where furnished) is \$7,812,000.

6 bases indicated their ramp and/or loading pads will need some major repairs in the near future. Estimated costs (where furnished) are \$1,375,000.

41 bases indicated no repairs will be needed in the near future.

6 bases have missing information.

A questionnaire was developed and it included the following questions. Where appropriate, a summary of the responses is given.



NATIONAL AIRTANKER STUDY- PHASE 1  
Summary of Response to Airtanker Base Questionnaire

(A) BASE	(B) AREA	(C) Question Key AGENCY	(D) Type TYPE	(E) Narrative BUDGET	(F) Other Source AVE GAL	(G) P1 ATBM	(H) P1 AATBM	(I) P2 MIX LOAD	(J) F1 to F7 FACILITY	(K) F1 to F7 FAC CST	(L) E1 to E12 EQUIP	(M) E1 to E12 EQP CST	(N) E13 METER	(O) E13 MET CST	(P) E15 PC	(Q) E15 PC CST	(R) E16 to E17 OFFICE	(S) E16-E17 OFF CST	(T) 4 HAZMAT	(U) 4 HAZ CST	(V) 5 AVGAS	(W) 5 JET FUEL	(X) 6 MASTER	(Y) 6 MOVE	(Z) 6 MOV CST	(AA) 7 NUM PK	(AB) 8 CRASH	(AC) 9 WATER	(AD) 9 WTR CST	(AE) 10 RAMP	(AF) 10 RMP CST	(AG) Green Book LIMITATIONS			
AK																																			
BIG DELTA	AK	AKS	RELOAD	0	20,000	CWN	CWN	CWN	OK		OK		NO	YES			YES		NO	\$100,000	NO	NO	YES	NO	0	1	YES	YES		0	NO	0	NONE		
FAIRBANKS	AK	BLM	CORE	\$2,000	190,000	CWN	CWN	CWN	SOME	25,000	OK		YES	YES			YES		YES		YES	YES	YES	NO	10	YES	YES		YES	\$1,000,000	NONE				
FORT YUKON	AK	BLM	RELOAD	\$1,000	80,000	CWN	CWN	CWN	SOME		OK		NO	YES			YES		NO	\$5,000,000	YES	YES	YES	NO	3	NO	YES		YES	\$25,000	NONE				
GALENA	AK	BLM	RELOAD	\$1,500	89,000	CWN	CWN	CWN	SOME		OK		NO	YES			YES		NO	\$100,000	YES	YES	YES	YES	3	YES	YES		YES	\$400,000	NONE				
McGRATH	AK	AKS	RELOAD	\$3,000	53,000	CWN	CWN	CWN	NO	\$100,000	OK		NO	YES			YES		NO	\$100,000	YES	YES	YES	NO	3	NO	YES		YES	\$1,000,000	NONE				
PALMER	AK	AKS	CORE	\$1,500	18,000	PPT	CWN	CWN	OK		OK		YES	YES			YES		NO	\$100,000	YES	YES	YES	YES	5	YES	YES		NO		NONE				
TANACROSS	AK	AKS	RELOAD	\$1,500	49,000	CWN	CWN	CWN	SOME	50,000	OK		NO	YES			YES		NO	\$300,000	YES	YES	YES	NO	6	NO	YES		YES	\$500,000	NONE				
CA																																			
BISHOP	CA	USFS	RELOAD	\$10,000	110,000	CWN	CWN	CWN	OK		OK		NO	YES			YES		YES		YES	YES	YES	NO	3	SOME	YES		SOME	\$15,000	NONE				
CHESTER	CA	USFS	CORE	\$92,000	302,000	PFT	CWN	CWN	SOME	\$110,000	OK		YES	YES			YES		SOME	\$5,000	YES	YES	YES	NO	10	YES	SOME	\$400,000	YES	\$75,000	NONE				
CHICO	CA	FS/CDF	CORE	\$31,000	380,000	PFT	PFT	CONT	OK		OK		YES	YES			YES		SOME	\$100,000	YES	YES	YES	NO	12	YES	YES		NO		NONE				
FRESNO	CA	FS/CDF	CORE	\$150,000	545,000	PFT	CWN	CONT	OK		OK		YES	NO	\$4,000	YES	YES		YES		YES	YES	YES	NO	14	YES	YES		NO		NONE				
HEMET - RYAN	CA	FS/CDF	CORE	\$180,000	1,300,000	PFT	PFT	WAE	OK		OK		NO	NO	\$0	YES	YES		SOME	\$30,000	YES	YES	NO	YES	10	YES	YES		YES	\$50,000	YES				
LANCASTER	CA	USFS	CORE	\$131,000	582,000	PFT	PFT	CONT/TEMP	SOME	\$80,000	SOME	?	NO	YES			YES		NO	\$12,000	YES	YES	YES	NO	15	SOME	YES		YES	\$500,000	NONE				
MATHER AFB	CA	FS/BLM/CDF	PROPOSED																																
MONTAGUE	CA	USFS	RELOAD	\$20,000	94,000	CWN	CWN	CWN	NO	\$80,000	OK		YES	YES			YES		NO	\$35,000	YES	YES	YES	NO	6	SOME	YES		NO		NONE				
NORTON AFB	CA	FS/CDF	PROPOSED																																
PORTERVILLE	CA	FS/CDF/BLM	CORE	\$60,000	458,000	PFT	TEMP	TEMP	OK		SOME	\$20,000	NO	NO	\$4,000	YES	YES		NO	\$100,000	YES	YES	YES	NO	8	SOME	YES		YES	\$2,000,000	NONE				
RAMONA	CA	FS/CDF	CORE	\$102,000	590,000	PFT	PPT	CONT/TEMP	SOME		OK		YES	YES			YES		NO	\$5,000	YES	YES	YES	NO	4	SOME	YES		YES	\$20,000	YES				
REDDING	CA	FS/CDF	CORE	\$128,000	721,000	PFT	PFT	CONT/TEMP	OK		OK		YES	YES			YES		YES		YES	YES	YES	NO	12	YES	YES		YES	\$25,000	NONE				
SANTA BARBARA	CA	USFS	CORE	\$155,000	425,000	PFT	PFT	CONT/TEMP	OK		OK		YES	YES			YES		YES		YES	YES	YES	NO	12	YES	YES		YES	\$25,000	NONE				
STOCKTON	CA	USFS	RELOAD	\$5,000	202,000	CWN	CWN	CONT	OK		OK		YES	NO	\$4,000	YES	YES		YES		YES	YES	SOME	SOME	\$0	24	YES	YES		NO		NONE			
NE																																			
BEMIDJI	EA	MDNR	CORE		13,000	CWN	CWN	CWN	OK		OK		NO	NO			YES		NO	\$30,000	YES	YES	YES	YES	\$350,000	5	YES	YES		NO		NONE			
BRAINARD	EA	MDNR	CORE	\$50,000	58,000	PFT	PFT	PFT	SOME	\$230,000	OK		YES	YES			SOME		YES		YES	YES	YES	SOME	4	YES	YES		NO		NONE				
ESCANABA	EA	USFS	RELOAD	\$500		CWN	CWN	CWN	OK		SOME		NO	YES			SOME		NO		YES	YES	YES	NO	1	YES	YES		NO		NONE				
ELY	EA	USFS	RELOAD						OK		OK		NO	YES			YES		NO	\$10,000	YES	YES	YES	NO	3	SOME	SOME		NO		YES				
HIBBING	EA	MDNR	CORE	\$50,000	28,000	CWN	CWN	CWN	SOME		OK		YES	YES			YES		YES		YES	YES	YES	NO	4	YES	YES		NO		YES				
GB																																			
BATTLE MOUNTAIN	GB	BLM	RELOAD		179,000	CWN	CWN	CWN	SOME		OK		YES	NO			SOME		?	YES		YES	YES	NO	7	YES	YES		NO		NONE				
BOISE	GB	USFS	CORE	\$17,000	513,000	PFT	CWN	CONT	SOME	\$50,000	SOME	\$20,000	NO	\$20,000	YES		YES		SOME	\$100,000	YES	YES	YES	NO	5	YES	YES		NO		NONE				
CEDAR CITY	GB	BLM	RELOAD			CWN	CWN	CWN	NO		?	SOME	?	NO	YES				?	NO		?	YES	NO	\$270,000	3	YES	YES		YES		NONE			
HILL AFB	GB	USFS	CORE	\$20,000	138,000	PPT	PPT	PPT	OK		OK		NO	\$12,000	YES	YES	YES		YES		SOME	SOME	YES	NO	5	YES	YES		NO		NONE				
MINDEN	GB	BLM/NDP	CORE		184,000	PPT	TEMP	TEMP	OK		OK		YES	YES			YES		YES		YES	YES	YES	NO	10	SOME	YES		NO		NONE				
McCALL	GB	USFS	CORE	\$30,000	392,000	PPT	CWN	CWN	OK		OK		YES	YES			YES		SOME	\$100,000	YES	YES	YES	NO	6	YES	YES		NO		KC97				
POCATELLO	GB	BLM	CORE	\$40,000	64,000	PFT	CWN	CWN	OK		OK		YES	YES			YES		YES		YES	YES	YES	NO	20	YES	YES		NO		NONE				
SALT LAKE CITY	GB	USFS	RELOAD	\$20,000	138,000	PPT	PPT	PPT	OK		?	SOME	\$120,000	NO	\$12,000	YES		NO	?	NO	\$100,000	YES	YES	NO	YES	5	YES	YES		NO		NONE			
STEAD	GB	BLM	CORE	\$20,000	282,000	PPT	CWN	CONT	SOME		?	SOME	?	YES			NO		NO	\$100,000	YES	YES	NO	YES	\$250,000	5	YES	YES		NO		NONE			
TWIN FALLS	GB	USFS	RELOAD						OK		OK		YES	YES			YES		NO		YES	YES	YES	NO	20	NO	SOME		?	YES		NONE			
INDIAN SPRINGS	GB	BLM	RELOAD		28,000	CWN	CWN	CWN	OK		OK		YES	YES			YES		YES		SOME	SOME	YES	NO	1	YES	YES		NO		NONE				
NR																																			
BILLINGS	NR	BLM	CORE	\$38,000	81,000	PPT	TEMP	TEMP	SOME	\$75,000	SOME	\$78,000	NO	\$15,000	YES		YES		NO	\$75,000	YES	YES	YES	YES	\$243,000	3	YES	YES		NO		NONE			
COEUR D'ALENE	NR	USFS	CORE	\$15,000	134,000	PFT	TEMP	TEMP	OK		OK		NO	\$10,000	YES		YES		YES		YES	YES	YES	NO	9	SOME	YES		NO		NONE				
GRANDVILLE	NR	USFS	CORE	\$25,000	88,000	PFT	TEMP	TEMP	OK		SOME	\$8,000	YES	YES			YES		SOME	\$1,500	YES	YES	YES	NO	3	NO	YES		YES	\$100,000	YES				
HELENA	NR	USFS	CORE	\$15,000	685,000	PFT	CONT	CONT	OK		OK		YES	YES			YES		YES		YES	YES	YES	YES	\$250,000	9	YES	YES		NO		NONE			
KALISPELL	NR	USFS	CORE	\$15,000	127,000	TEMP	CWN	CWN	OK		SOME	\$4,500	NO	\$10,000	YES		YES		SOME	\$100,000	YES	YES	YES	NO	6	YES	YES		YES		NONE				
LEWISTOWN	NR	BLM	RELOAD		49,000	CWN	CWN	CWN	SOME		?	SOME	?	NO	YES		YES		NO	\$100,000	YES	YES	?	NO	3	YES	YES		NO		YES				
MISSOULA	NR	USFS	CORE	\$20,000	302,000	PPT	CWN	CWN	OK		OK		YES	YES			YES		NO		YES	YES	YES	NO	6	YES	YES		NO		?	NONE			
WEST YELLOWSTONE	RM	USFS	RELOAD	\$15,000	131,000	PFT	PPT	WAE	OK		OK		NO	NO			YES		SOME	\$30,000	YES	YES	YES	NO	6	YES	YES		NO		N				