

Appendix A1: Data for all prescribed fires in 2016 used in the analysis. Burns that could be considered for 24-hour advance approval as part of the pilot study are indicated in the final column. "True" means advance approval was utilized.

- - - From DNR Smoke Management Permitting Webpage - - -								From FS Fire Portal Reporting Database			
Date	Region	Land Owner	Unit	Latitude	Longitude	Proposed Acres	Proposed Tons	Acres Burned	Accomplished Tons	Ignition time	Pilot 24-Hr Advance
9/8/2016	WENATCHEE NF	WENATCHEE RIVER	FISHLOOP UNDERBURNS	47.8038	-120.654	0	960	40	320	1230	
9/12/2016	WENATCHEE NF	WENATCHEE RIVER	FISHLOOP UNDERBURNS	47.8038	-120.654	80	640	55	440	1130	
9/14/2016	COLVILLE NF	THREE RIVERS	PARADISE 90	48.55556	-118.397	150	2400	100	1600	1100	TRUE
9/14/2016	WENATCHEE NF	CLE ELUM	ORION UNIT 2	47.3217	-120.69	183	1518	5	40	1130	TRUE
9/15/2016	COLVILLE NF	THREE RIVERS	PARADISE 90	48.55556	-118.397	60	960	30	480	1100	TRUE
9/15/2016	WENATCHEE NF	CLE ELUM	ORION UNIT 2	47.3217	-120.69	120	960	40	320	930	FALSE
9/15/2016	WENATCHEE NF	NACHES	ANGEL UNDERBURN 2016	46.7945	-121.06	58	232	58	174	1000	FALSE
9/20/2016	COLVILLE NF	REPUBLIC	MEL 130145149	48.7359	-118.593	50	525	13	179	1130	
9/20/2016	WENATCHEE NF	WENATCHEE RIVER	NATAPOC	47.7631	-120.682	50	500	35	280	1200	FALSE
9/20/2016	OKANOGAN NF	METHOW VALLEY	2016 UPPER RENDEZVOUS 1	48.573	-120.292	64	896	50	712	1235	FALSE
9/21/2016	WENATCHEE NF	ENTIAT	LOWER TYEE FALL 2016	47.798	-120.426	30	240	30	240	1100	
9/21/2016	WENATCHEE NF	CLE ELUM	ORION UNIT 2	47.3217	-120.69	80	640	60	480	930	TRUE
9/21/2016	WENATCHEE NF	WENATCHEE RIVER	NATAPOC	47.7631	-120.682	35	280	35	280	1200	FALSE
9/22/2016	WENATCHEE NF	ENTIAT	LOWER TYEE FALL 2016	47.798	-120.426	146	1168	53	700	1100	
9/22/2016	WENATCHEE NF	CLE ELUM	ORION UNIT 2	47.3217	-120.69	85	680	78	624	1000	TRUE

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9/22/2016	WENATCHEE NF	WENATCHEE RIVER	NATAPOC	47.7631	-120.682	40	320	40	320	1200	FALSE
9/22/2016	OKANOGAN NF	METHOW VALLEY	2016 GOAT	48.588	-120.346	117	2106	85	1210	1000	FALSE
9/26/2016	WENATCHEE NF	WENATCHEE RIVER	FISHLOOP UNDERBURNS	47.8038	-120.654	125	750	125	750	1200	
9/26/2016	COLVILLE NF	SULLIVAN LAKE	HANLON HF HAND	48.62139	-117.257	100	600	15	90	1500	TRUE
9/27/2016	COLVILLE NF	REPUBLIC	MEL 130145149	48.7359	-118.593	50	525	30	245	1100	
9/27/2016	US FISH AND	LITTLE PEND OREILLE NWR	LOG BARN MEADOW	48.4457	-117.745	52	111	52	156	1230	
9/27/2016	COLVILLE NF	THREE RIVERS	PARADISE 90	48.55556	-118.397	450	7200	80	645	1100	TRUE
9/27/2016	COLVILLE NF	SULLIVAN LAKE	BLUE RUBY WEST AERIAL RX HF	48.55335	-117.362	200	1800	15	135	1100	
9/27/2016	COLVILLE NF	SULLIVAN LAKE	HANLON HF AERIAL	48.62139	-117.257	350	1925	250	1250	1300	FALSE
9/28/2016	WENATCHEE NF	ENTIAT	LOWER TYEE FALL 2016	47.798	-120.426	110	880	93	744	1100	
9/28/2016	COLVILLE NF	REPUBLIC	VULCAN 49	48.9278	-118.686	112	1848	75	956	1050	
9/28/2016	COLVILLE NF	THREE RIVERS	PARADISE 90	48.55556	-118.397	450	7200	450	3627	1000	TRUE
9/28/2016	WENATCHEE NF	CHELAN	25 MILE UB 2016	47.9691	-120.299	70	502	30	220	1030	TRUE
9/28/2016	WENATCHEE NF	NACHES	ANGEL UNDERBURN 2016	46.7945	-121.06	57	684	57	650	1130	FALSE
9/28/2016	WENATCHEE NF	WENATCHEE RIVER	FISHLOOP UNDERBURNS	47.8038	-120.654	60	480	60	480	1000	
9/28/2016	COLVILLE NF	SULLIVAN LAKE	BLUE RUBY WEST AERIAL RX HF	48.55335	-117.362	200	1800	100	900	1300	
9/29/2016	US FISH AND	LITTLE PEND OREILLE NWR	CHRISTIANSEN	48.4524	-117.708	50	140	40	120	1130	
9/29/2016	COLVILLE NF	REPUBLIC	MEL 130145149	48.7359	-118.593	10	110	7	61	1130	
9/29/2016	COLVILLE NF	REPUBLIC	VULCAN 49	48.9278	-118.686	12	204	9	114	1145	
9/29/2016	WENATCHEE NF	CHELAN	25 MILE UB 2016	47.9691	-120.299	70	502	40	290	1030	TRUE
9/29/2016	COLVILLE NF	SULLIVAN LAKE	BLUE RUBY WEST HAND RX HF	48.55335	-117.362	100	600	50	450	1200	
9/29/2016	COLVILLE NF	NEWPORT	MISERY 54 62	48.54101	-117.359	30	150	30	141	1400	

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10/3/2016	WENATCHEE NF	ENTIAT	LOWER TYEE FALL 2016	47.798	-120.426	40	320	40	320	1000	
10/3/2016	WENATCHEE NF	CLE ELUM	LIBERTY FUELS UNITS 52-56	47.3108	-120.636	82	1722	40	840	1000	FALSE
10/3/2016	WENATCHEE NF	CHELAN	25 MILE UB 2016	47.9691	-120.299	80	575	70	510	1030	FALSE
10/4/2016	WENATCHEE NF	ENTIAT	LOWER TYEE FALL 2016	47.798	-120.426	110	880	15	120	1100	
10/4/2016	COLVILLE NF	REPUBLIC	VULCAN 212269	48.9229	-118.649	27	486	6	81	1230	
10/4/2016	NTL PARK SVC	LAKE ROOSEVELT NATIONAL RECREATION AREA	RICKEY POINT	48.54667	-118.137	22	319	6	75	945	
10/4/2016	WENATCHEE NF	CLE ELUM	ORION SBA UNIT 8	47.2956	-120.703	70	581	70	560	1100	FALSE
10/4/2016	WENATCHEE NF	WENATCHEE RIVER	CHUMSTICK UNDERBURNS	47.6712	-120.608	55	440	55	440	1100	FALSE
10/5/2016	WENATCHEE NF	ENTIAT	TYEE PILES 2016	47.804	-120.439	146	847	120	720	1000	
10/6/2016	WENATCHEE NF	ENTIAT	NORTH FORK POTATO FALL 2016	47.817	-120.368	71	426	65	568	1230	
10/6/2016	WENATCHEE NF	ENTIAT	TOMMY MAD	47.959	-120.59	72	382	43	382	1100	
10/6/2016	WENATCHEE NF	WENATCHEE RIVER	CHUMSTICK UNDERBURNS	47.6712	-120.608	55	550	15	150	1100	FALSE
10/7/2016	WENATCHEE NF	ENTIAT	TYEE PILES 2016	47.804	-120.439	50	299	30	180	1100	
10/11/2016	WENATCHEE NF	ENTIAT	SHADY PASS 2016	47.997	-120.484	20	160	20	160	1200	
10/12/2016	WENATCHEE NF	ENTIAT	FROG ROCK MACHINE	47.93	-120.471	6	311	6	150	1100	
10/12/2016	WENATCHEE NF	ENTIAT	LOWER TYEE FALL 2016	47.798	-120.426	97	776	97	776	1030	
10/12/2016	WENATCHEE NF	NACHES	LOST SPENCER 2016	46.6217	-121.131	90	270	20	60	900	
10/12/2016	WENATCHEE NF	ENTIAT	ENTIAT RIDGE REHAB 2015	47.781	-120.548	56	534	56	534	1100	

Appendix A2*: Data for all prescribed fires in 2017 used in the analysis. Burns that could be considered for 24-hour advance approval as part of the pilot study are indicated in the final column. "True" means advance approval was utilized.

--- From DNR Smoke Management Permitting Webpage ---

Date	Region	Land Owner	Unit	Latitude	Longitude	Proposed Acres	Proposed Tons	Acres Burned	Tons Burned	Pilot 24-Hr Advance
4/3/2017	WENATCHEE NF	ENTIAT	2017 BISPING-PALMICH	47.786	-120.279	30	101	5	20	FALSE
4/19/2017	WENATCHEE NF	ENTIAT	FOREST JOHNSON 2017	47.843	-120.225	104	350	1	2	FALSE
4/21/2017	WENATCHEE NF	CHELAN	25 MILE 2017	47.9691	-120.2991	100	720	5	35	FALSE
4/27/2017	WENATCHEE NF	ENTIAT	FOREST JOHNSON 2017	47.843	-120.225	104	348	104	348	FALSE
5/3/2017	WENATCHEE NF	CHELAN	25 MILE 2017	47.9691	-120.2991	100	720	35	245	FALSE
5/4/2017	WENATCHEE NF	ENTIAT	FOREST JOHNSON 2017	47.843	-120.225	118	398	118	398	FALSE
5/8/2017	WENATCHEE NF	CHELAN	25 MILE 2017	47.9691	-120.2991	111	797	35	245	TRUE
5/9/2017	WENATCHEE NF	CHELAN	25 MILE 2017	47.9691	-120.2991	76	532	76	532	FALSE
5/9/2017	WENATCHEE NF	ENTIAT	LOWER TYEE 2017	47.802	-120.431	75	628	75	800	FALSE
5/9/2017	NE REGION	SHERMAN CREEK WILDLIFE AREA	RAIL	48.58994	-118.1625	50	300	80	480	TRUE
5/10/2017	WENATCHEE NF	ENTIAT	LOWER TYEE 2017	47.802	-120.431	150	1256	125	1256	FALSE
5/22/2017	OKANOGAN NF	METHOW VALLEY	2017 GOAT	48.588	-120.346	53	938	40	493	FALSE
5/25/2017	WENATCHEE NF	NACHES	CANTEEN UB2017	46.8869	-120.9223	35	210	5	30	FALSE

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5/30/2017	NE REGION	WDFW - SHERMAN CREEK WILDLIFE AREA	BRIDGE HATCH TRAIL	48.597	-118.14	65	300	28	129	TRUE
5/31/2017	NE REGION	WDFW - SHERMAN CREEK WILDLIFE AREA	BRIDGE HATCH TRAIL	48.597	-118.14	65	300	20	92	FALSE
6/1/2017	NE REGION	WDFW - SHERMAN CREEK WILDLIFE AREA	BRIDGE HATCH TRAIL	48.597	-118.14	20	240	17	204	TRUE
6/5/2017	OKANOGAN NF	METHOW VALLEY	2017 UPPER RENDEZVOUS 1	48.573	-120.292	53	938	40	489	FALSE
6/5/2017	NE REGION	WDFW	BISBEE	48.60438	-118.141	40	360	5	45	FALSE
6/6/2017	OKANOGAN NF	METHOW VALLEY	2017 GOAT	48.588	-120.346	109	1254	70	863	FALSE
6/6/2017	NE REGION	WDFW	BISBEE	48.60438	-118.1401	40	360	20	180	TRUE
6/7/2017	NE REGION	WDFW	BISBEE	48.60438	-118.1401	60	400	11	73	FALSE
6/12/2017	NE REGION	WDFW	BISBEE	48.60438	-118.1401	40	354	13	115	TRUE
6/13/2017	NE REGION	WDFW	BISBEE	48.60438	-118.1401	40	364	10	91	TRUE
6/14/2017	NE REGION	WDFW	BISBEE	48.60438	-118.1401	40	364	25	228	FALSE
6/15/2017	NE REGION	WDFW	BISBEE	48.60438	-118.1401	40	364	4	36	FALSE

***Note that these data are what is known to the best of our knowledge as-of 6/23/2017 from working with personnel at the Washington State DNR and pilot project participating land managers.**