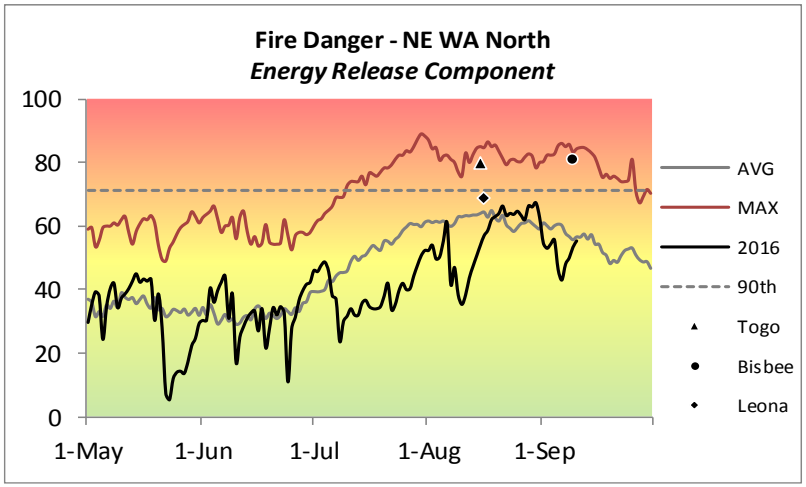
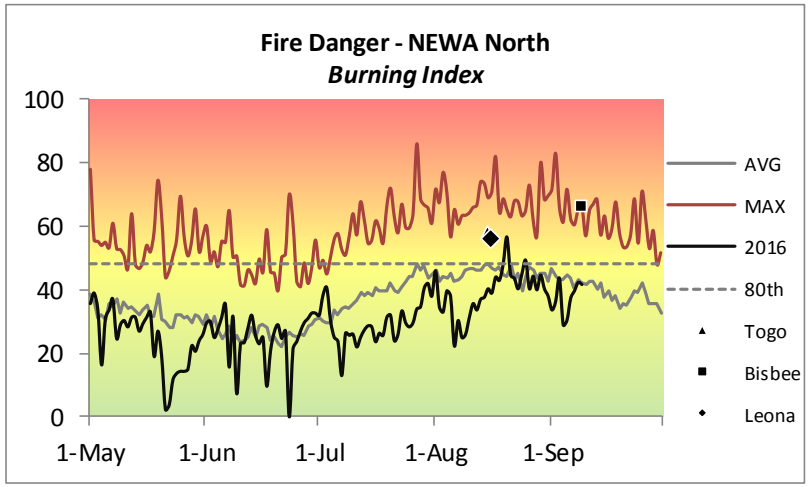
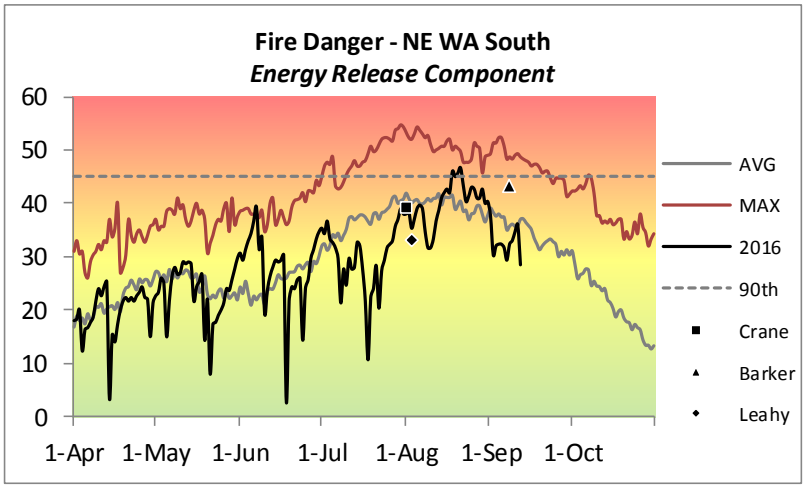
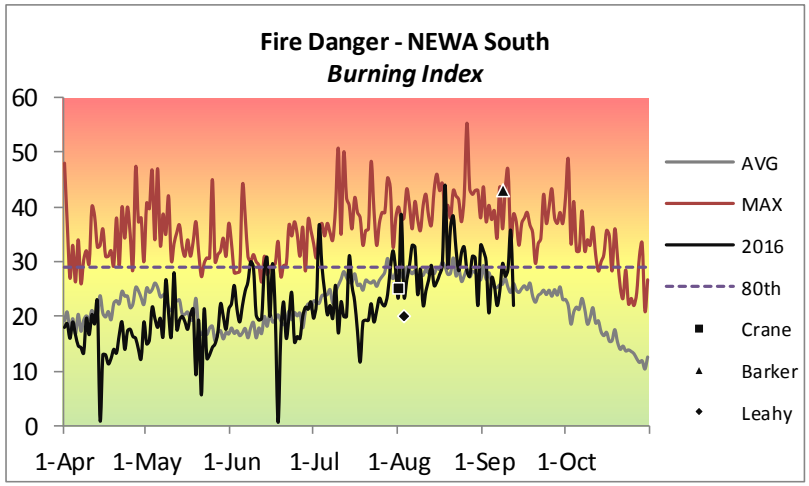
Northeast Washington Fire Danger Product 2015 *Colville National Forest, Spokane BLM, USFWS*









Fire Danger Graph Interpretation

- MAX – Highest ERC/BI by day 1992-2012
- AVG – Average daily ERC/BI 1992-2012
- 90th Percentile ERC/BI – Only 10% of days from 1992-2012 were above this value

Local Thresholds Watch Out

- A combination of any of these 90th percentile factors can greatly increase fire behavior: Wind Speed over 6 mph, Relative Humidity below 16%, Temperature over 89 degrees, Haines Index of 5 or 6

Remember What Fire Danger Tells You

- Energy Release Component gives seasonal trends calculated from 13:00 temperature and RH, daily temperature & RH ranges, and precipitation duration
- Burning Index gives day to day fluctuations calculated from 13:00 temperature, wind, and RH, daily temperature & RH ranges, and precipitation duration
- Burning Index divided by 10 gives an estimate of expected flame length

Table 1: MOST RECENT STATION OBSERVATIONS

FDRA or STATION	O-DATE	T	RH	W-DIR	W-SPD	T-MAX	T-MIN	RH-MAX	RH-MIN	P-DUR	P-AMT
North FDRA	**09/11/2016**	**65**	**29**	**220**	**4**	**76**	**50**	**57**	**26**	**0.0**	**0.00**
LANE CREEK		57	34	343	3	74	46	57	27	0.0	0.00
MIDNIGHT MINE		70	25	32	3	77	57	44	25	0.0	0.00
TACOMA CREEK		67	27	285	5	78	47	71	26	0.0	0.00
South FDRA	**09/11/2016**	**68**	**24**	**227**	**15**	**83**	**53**	**56**	**17**	**0.0**	**0.00**
DOUGLAS		69	23	346	10	83	49	61	19	0.0	0.00
KRAMER		65	29	6	21	81	54	57	17	0.0	0.00
NESPELEM		71	19	329	13	84	57	50	14	0.0	0.00

Table 2: MOST RECENT NFDR OBSERVATIONS

FDRA or STATION	O-DATE	10-HR	100-HR	1000-HR	LH-FM	LW-FM	IC	SC	EC	BI
North FDRA	**09/11/2016**	**7**	**11**	**12**	**24**	**90**	**21**	**6**	**55**	**42**
LANE CREEK		7	11	12	6	91	16	5	54	39
MIDNIGHT MINE		6	8	9	5	69	24	6	68	47
TACOMA CREEK		7	14	14	61	109	23	6	44	39
South FDRA	**09/11/2016**	**5**	**9**	**9**	**24**	**70**	**48**	**6**	**36**	**36**
DOUGLAS		5	9	9	62	76	38	3	35	27
KRAMER		6	9	9	6	68	49	9	35	43
NESPELEM		5	9	9	4	65	56	6	38	37

PV*	IFPL*
-3.4	**1**
-3.7	1
-2.3	1
-4.3	1
5.3	**4**
-	4
4.4	4
6.2	4

Table 3: MOST RECENT NFDR FORECAST

FDRA or STATION	F-DATE	SOW	T	RH	W-DIR	W-SPD	10-HR	DUR-1	DUR-2	LAL
North FDRA	**09/12/2016**	**0.333333**	**63**	**30**	**45**	**4**	**0**	**0.0**	**0.0**	**1**
LANE CREEK		1	60	33	45	3	0	0.0	0.0	1
MIDNIGHT MINE		0	66	27	45	3	0	0.0	0.0	1
TACOMA CREEK		0	64	31	45	5	0	0.0	0.0	1
South FDRA	**09/12/2016**	**0**	**68**	**23**	**240**	**8**	**0**	**0.0**	**0.00**	**1**
DOUGLAS		0	67	22	338	10	0	0.0	0.00	1
KRAMER		0	66	23	360	8	0	0.0	0.00	1
NESPELEM		0	70	24	23	5	0	0.0	0.00	1

Table 4: MOST RECENT NFDR FORECAST

FDRA or STATION	F-DATE	10-HR	100-HR	1000-HR	IC	SC	EC	BI
North FDRA	**09/12/2016**	**7**	**10**	**12**	**23**	**6**	**56**	**42**
LANE CREEK		7	10	12	18	5	55	39
MIDNIGHT MINE		6	8	9	26	6	69	47
TACOMA CREEK		7	13	14	24	6	45	40
South FDRA	**09/12/2016**	**5**	**8**	**9**	**40**	**23**	**34**	**45**
DOUGLAS		6	8	8	43	43	31	48
KRAMER		5	8	9	42	16	36	48
NESPELEM		5	8	9	34	10	36	39