

GREAT BASIN LIVE FUEL MOISTURE PROJECT

REPORT DATE: SEPTEMBER 24, 2006

SAMPLE DATE: SEPTEMBER 11, 2006



FIRE BEHAVIOR AND TACTICS

Live Fuel Moisture

- 181% - & Above Fires will exhibit **VERY LOW FIRE BEHAVIOR** with difficulty burning. Residual fine fuels from the previous year may carry the fire. Foliage will remain on the stems following the burn. Fires can generally be attacked at the head or flanks by persons using hand tools. Hand line should hold fire without any problems. Fires will normally go out as soon as wind dies down.
- 151% - 180% Fires will exhibit **LOW FIRE BEHAVIOR** with fire beginning to be carried in the live fuels. Both foliage and stem material up to 1/4 inch in diameter will be consumed by the fire. Burns will be generally patchy with many unburned islands. Engines may be necessary to catch fires at the head and the handline will be more difficult to construct, but should hold at the head and the flanks.
- 126% - 150% Fires will exhibit **MODERATE FIRE BEHAVIOR** with a fast continuous rate of spread that will consume stem material up to 2 inches in diameter. These fires may be attacked at the head with engines but may require support of dozers and retardant aircraft. Handline will become ineffective at the fire head, but should still hold at the flanks. Under high winds and low humidities, indirect line should be given considerations.
- 101% - 125% Fires will exhibit **HIGH FIRE BEHAVIOR** leaving no material unburned. Head attack with fire engines and dozers will be nearly impossible on large fires, but may be still be possible on smaller, developing fires. Retardant aircraft will be necessary on all these fires. Flanking attack by engines and indirect attack ahead of the fire must be used. Spotting should be anticipated. Fires will begin to burn through the night, calming down several hours before sunrise.
- 75% - 100% Fires will exhibit **EXTREME FIRE BEHAVIOR**. Extreme rates of spread and moderate to long range spotting will occur. Engines and dozers may be best used to back up firing operations, and to protect structures. Indirect attack must be used to control these fires. Fires will burn actively through the night. Air turbulence caused by the fire will cause problems for air operations.
- 74% - & BELOW Fires will have **ADVANCED FIRE BEHAVIOR** with high potential to control their environment. Large acreage will be consumed in a very short time periods. Backfiring from indirect line, roads, etc. must be considered. Aircraft will need to be cautious of hazardous turbulence around the fire.

THE GREAT BASIN LIVE FUEL MOISTURE REPORT

REPORT # 13

SAMPLE DATE: 9/11/2006

REPORT DATE: 9/24/2006

The following are the Live Fuel Moisture (LFM) readings for Nevada, California, Western Colorado, Southeast Oregon, Southeast Idaho, and Wyoming .

	<u>SITE</u>	<u>RESULTS</u>	<u>PREVIOUS</u>	<u>2005</u>	<u>CHANGE</u>	<u>AVERAGE</u>	<u>BEHAVIOR</u>
NV							
ELKO							
	N1A WELLS	0	0	80	0	86	NO REPORT
	N1B ADOBE CREEK	0	0	88	0	89	NO REPORT
	N1C PALISADE	0	0	105	0	98	NO REPORT
WINNEMUCCA							
	N2A NATIONAL	99	132	102	-33	97	EXTREME
	N2B NEW JUNGO	92	77	68	15	84	EXTREME
	N2C PANTHER	107	92	79	15	86	HIGH
CARSON							
	N3A WARM SPRINGS	116	0	NR	0	85	HIGH
	N3B CARSON	94	97	81	-3	107	EXTREME
	N3C FISH SPRINGS	82	100	84	-18	101	EXTREME
	N3D DOYLE	109	123	117	-14	118	HIGH
ELY							
	N4A DUCK CREEK	0	0	72	0	100	NO REPORT
	N4B RUTH	0	0	85	0	95	NO REPORT
	N4C SAWMILL	0	0	63	0	91	NO REPORT
	N5A PIOCHE	0	123	110	0	104	NO REPORT
	N5B RAINBOW CANYON	0	109	88	0	97	NO REPORT
LAS VEGAS							
	N5C KYLE CANYON	0	0	NR	0	105	NO REPORT
	N5D LOVELL CANYON	0	0	NR	0	104	NO REPORT
	N5E RED ROCK	76	74	76	2	69	EXTREME
	N5F PINE CREEK	70	65	90	5	74	ADVANCED
	N5G BOOTLEG	0	0	NR	0	86	NO REPORT
BATTLE MOUNTAIN							
	N6A BATTLE MOUNTAIN	0	82	90	0	83	NO REPORT
	N6B AUSTIN	0	118	105	0	102	NO REPORT
	N6C LUCKY SPRINGS	96	72	85	24	85	EXTREME

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	<u>SITE</u>	<u>RESULTS</u>	<u>PREVIOUS</u>	<u>2005</u>	<u>CHANGE</u>	<u>AVERAGE</u>	<u>BEHAVIOR</u>
CA							
BAKERSFIELD							
	C1A TOPAZ	0	0	NR	0	128	NO REPORT
	C1B BENTON	0	0	NR	0	89	NO REPORT
	C1C CHIMNEY	0	0	92	0	88	NO REPORT
SUSANVILLE							
	C2A FORTYNINE	80	110	89	-30	92	EXTREME
	C2B JUNIPER CREEK	73	78	66	-5	82	ADVANCED
	C2D RAVENDALE STATION	54	73	100	-19	108	ADVANCED
RIVERSIDE							
	C6A HOLE-IN-WALL	0	0	NR	0	94	NO REPORT
RIVERSIDE CDF							
	C7A KEEN WILD	0	0	NR	0	121	NO REPORT
	C7B ANZA	0	98	119	0	119	NO REPORT
	C7C TEMECULA	0	67	98	0	98	NO REPORT
TAHOE NF							
	C8A WORN MILL	0	0	NR	0	74	NO REPORT
MODOC NF							
	C9A SUGAR HILL	0	0	77	0	77	NO REPORT
	C9B PIT RIVER	0	0	65	0	78	NO REPORT
	C9C DEER RIDGE	0	0	84	0	80	NO REPORT

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The following are the Live Fuel Moisture (LFM) readings for Nevada, California, Western Colorado, Southeast Oregon, Southeast Idaho, and Wyoming.

<u>ID</u>	<u>SITE</u>	<u>RESULTS</u>	<u>PREVIOUS</u>	<u>2005</u>	<u>CHANGE</u>	<u>AVERAGE</u>	<u>BEHAVIOR</u>
ID							
LOWER SNAKE							
I1A	WILD WEST	69	0	63	0	66	ADVANCED
I1B	KUNA	0	0	67	0	65	NO REPORT
I1C	HAMMETT	0	0	80	0	79	NO REPORT
I1D	THREE CREEK	66	73	82	-7	80	ADVANCED
IDAHO FALLS							
I3A	SODA SPRINGS	108	102	103	6	121	HIGH
I3B	TABLE LEGS BUTTE	77	80	67	-3	94	EXTREME
I3C	SELLERS CREEK	76	87	86	-11	102	EXTREME
I3D	DUBOIS	101	85	89	16	96	HIGH
OR							
VLD1	KEENEY PASS	0	142	70	0	84	NO REPORT
WY							
W4A	MELLOR MOUNTAIN	0	0	NR	0	88	NO REPORT
W4B	PROSPECT	0	0	NR	0	85	NO REPORT

THE GREAT BASIN LIVE FUEL MOISTURE REPORT

REPORT # 13

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REPORT DATE: 9/24/2006

The following are the Pinyon Pine Live Fuel Moisture (LFM) readings for Nevada .

<u>SITE</u>	<u>RESULTS</u>	<u>PREVIOUS</u>	<u>2005</u>	<u>CHANGE</u>	<u>AVERAGE</u>
NV					
CARSON					
NP3A MARKLEEVILLE	152	155	141	-3	132
NP3B SEDGE	143	154	127	-11	127
BATTLE MNT.					
NP6A MCCOY RIDGE	147	0	112	0	121
WINNEMUCCA					
NP2A FENCEMAKER	120	139	105	-19	NA

THE GREAT BASIN LIVE FUEL MOISTURE REPORT

REPORT # 13

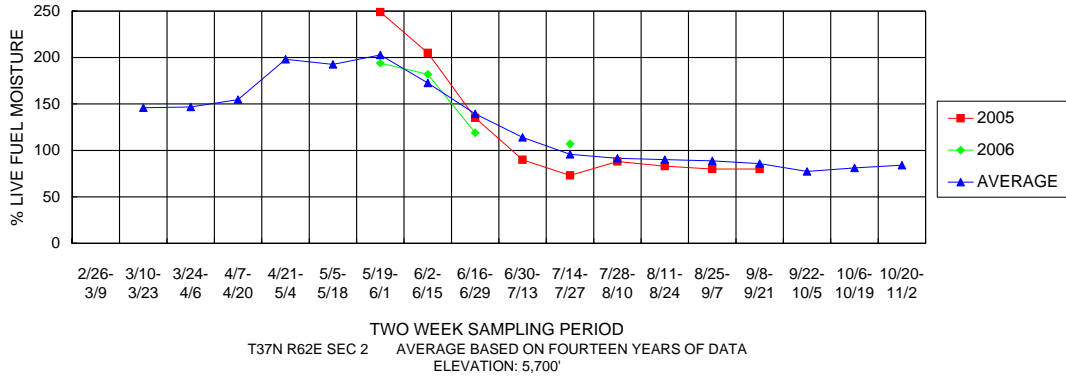
SAMPLE DATE: 9/11/2006

REPORT DATE: 9/24/2006

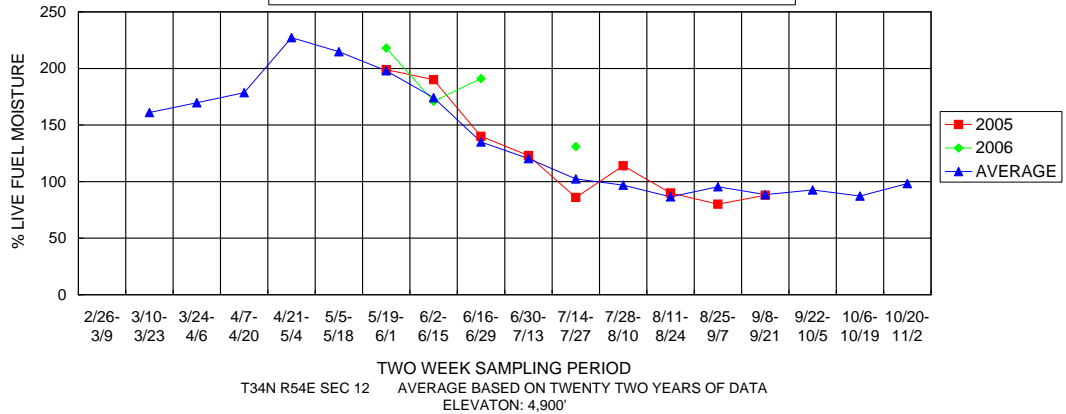
The following are the Thousand Hour (1000hr) readings for Nevada and California.

	<u>RESULTS</u>	<u>PREVIOUS</u>	<u>2005</u>	<u>CHANGE</u>	<u>AVERAGE</u>	
CCD MARKLEEVILLE	6	5	6	1	8	
TOF1 DOG VALLEY	0	0	NR	0	8	NO REPORT
TOF2 WALKER	0	4	4	0	8	NO REPORT
TOF4 AUSTIN	0	5	NR	0	6	NO REPORT
TOF5 KYLE	0	0	NR	0	6	NO REPORT
TOF5B LOVELL CANYON	0	0	NR	0	11	NO REPORT
WID FENCEMAKER	0	4	NA	0	NA	NO REPORT

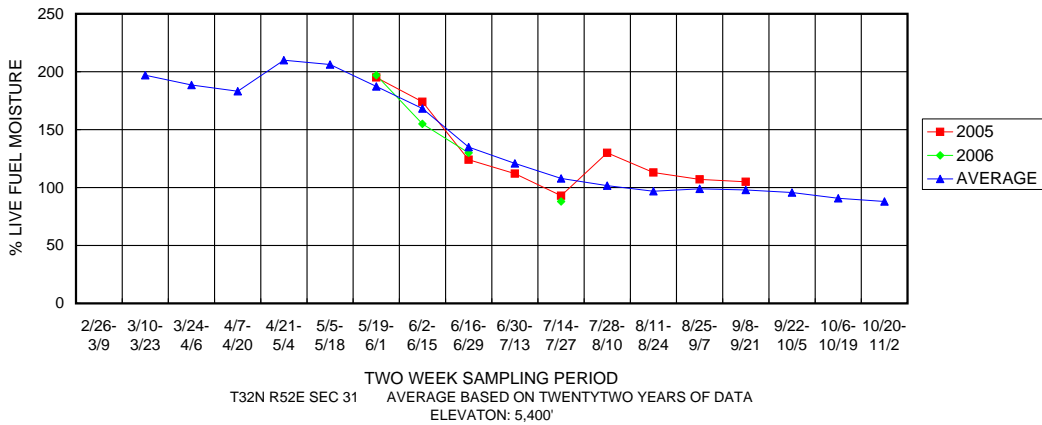
**ELKO FIELD OFFICE LIVE FUEL MOISTURE DATA
WELLS - N1A**



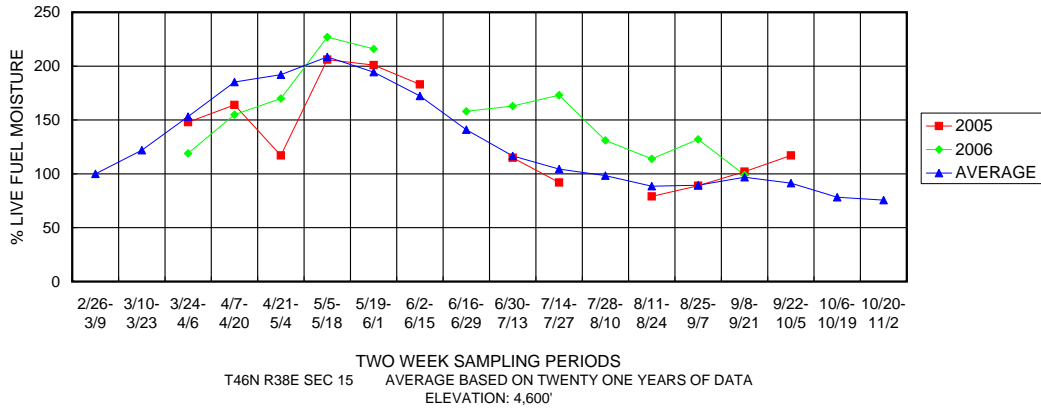
**ELKO FIELD OFFICE LIVE FUEL MOISTURE DATA
EAST ADOBE CREEK - N1B**



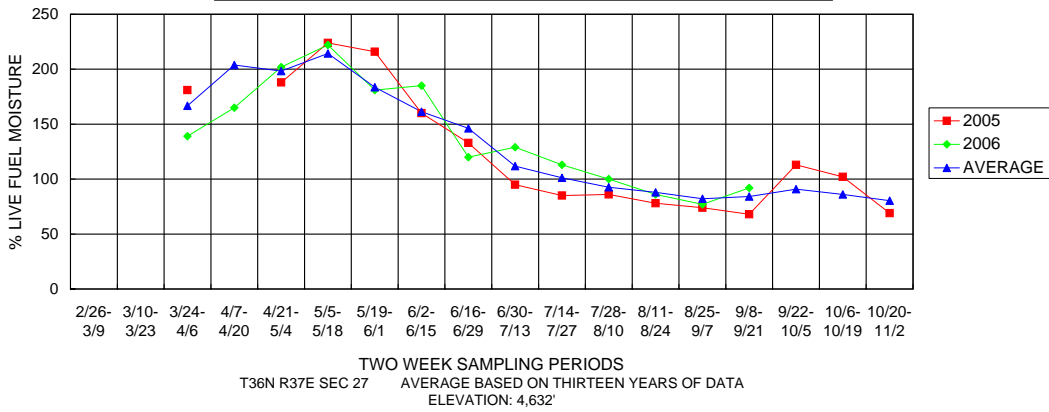
**ELKO FIELD OFFICE LIVE FUEL MOISTURE DATA
PALISADE - N1C**



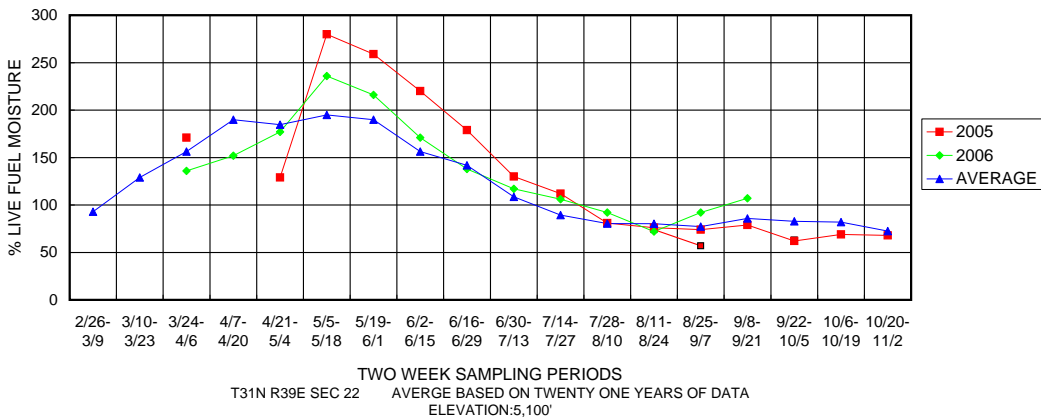
**WINNEMUCCA FIELD OFFICE LIVE FUEL MOISTURE DATA
NATIONAL - N2A**

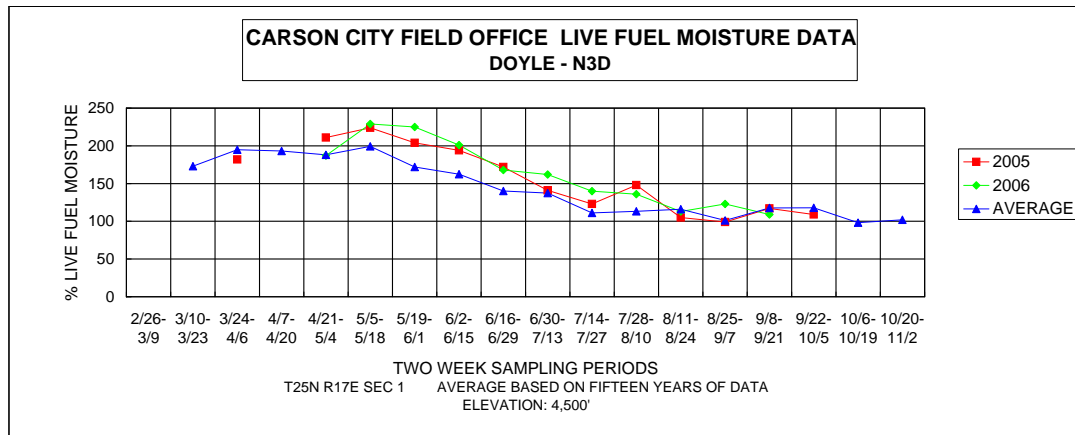
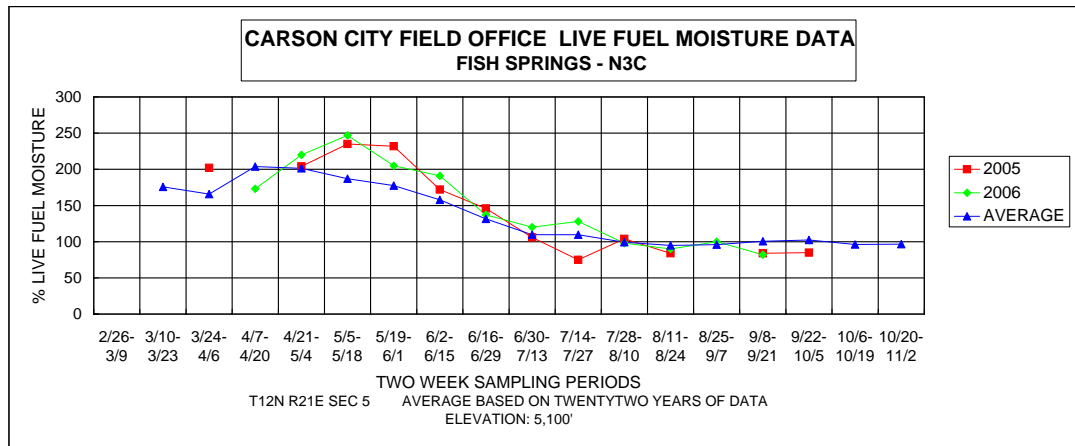
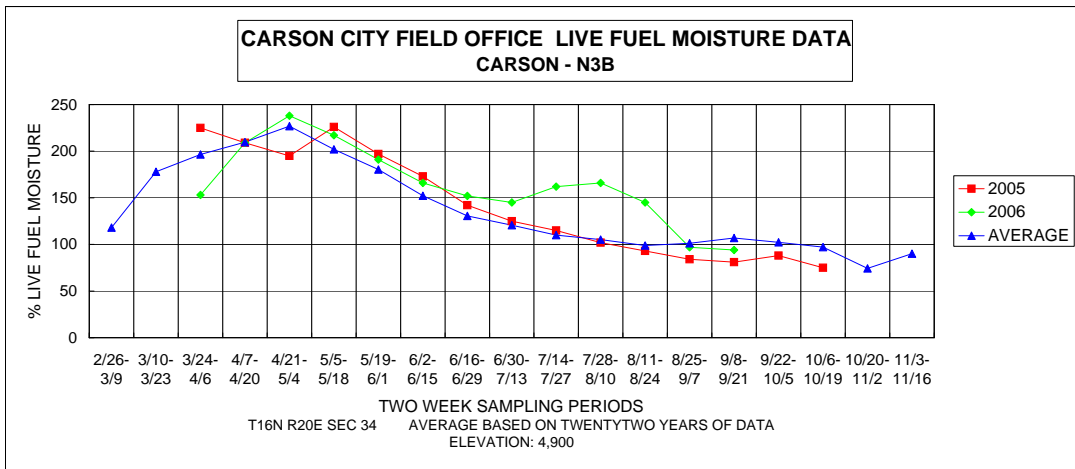
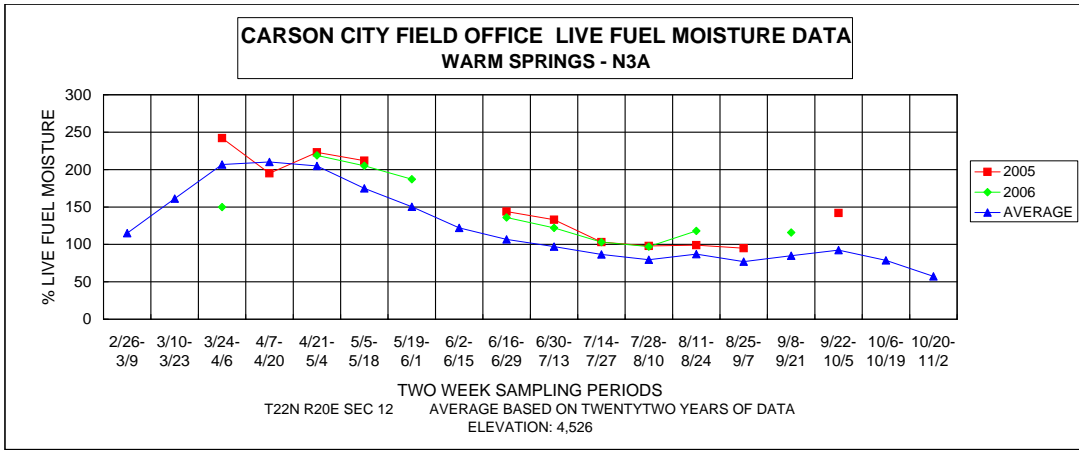


**WINNEMUCCA FIELD OFFICE LIVE FUEL MOISTURE DATA
NEW JUNGO - N2B**

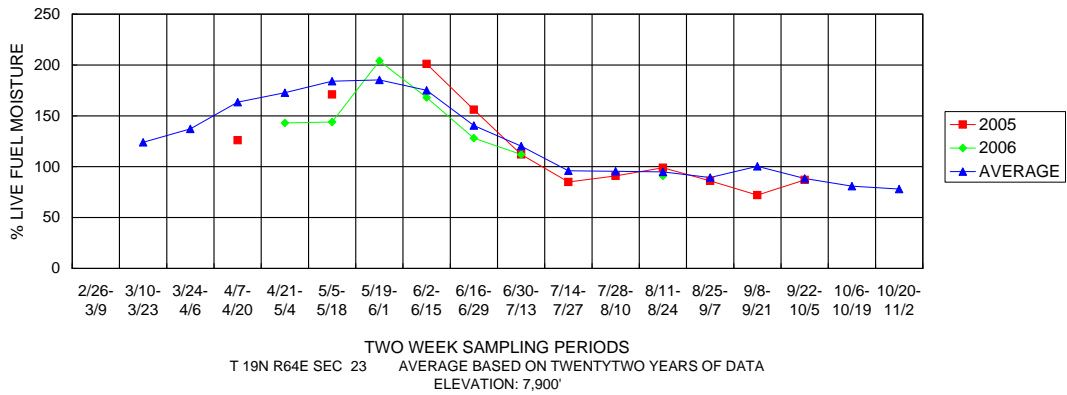


**WINNEMUCCA FIELD OFFICE LIVE FUEL MOISTURE DATA
PANTHER - N2C**

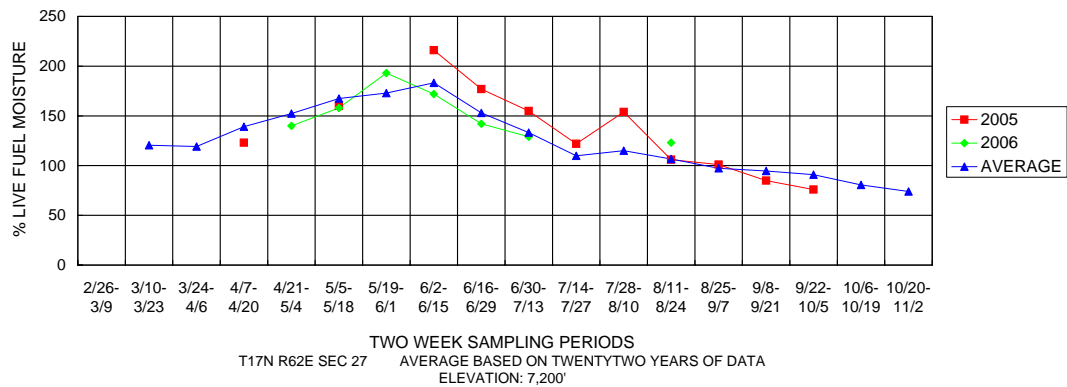




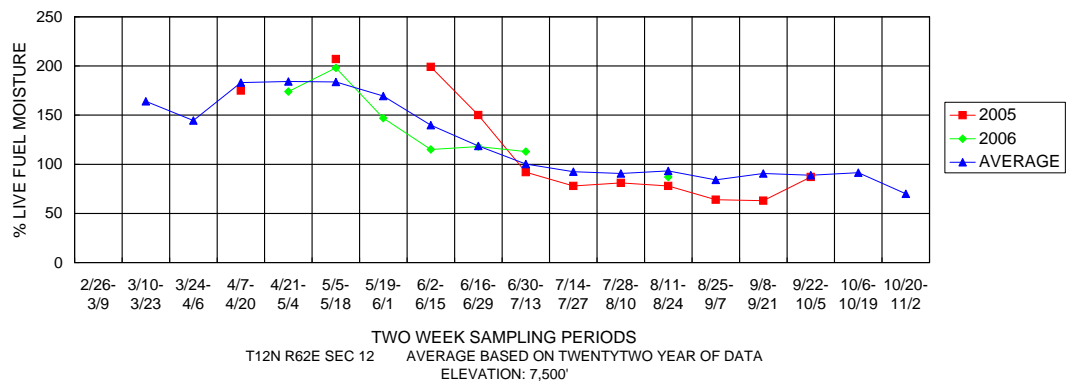
**ELY FIELD OFFICE LIVE FUEL MOISTURE DATA
DUCK CREEK - N4A**



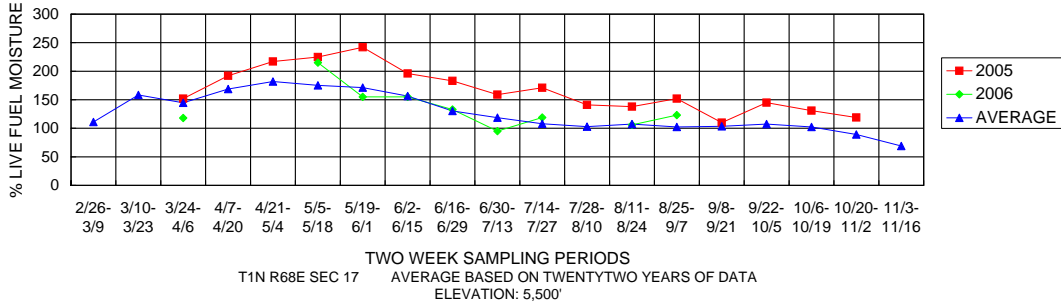
**ELY FIELD OFFICE LIVE FUEL MOISTURE DATA
RUTH - N4B**



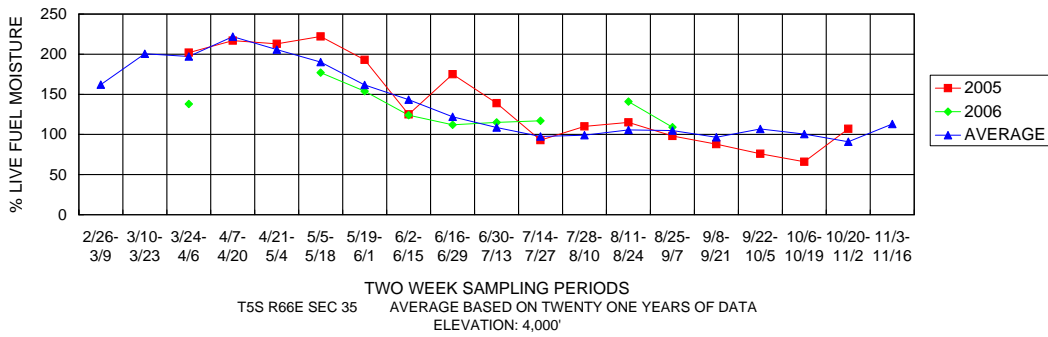
**ELY FIELD OFFICE LIVE FUEL MOISTURE DATA
SAWMILL - N4C**



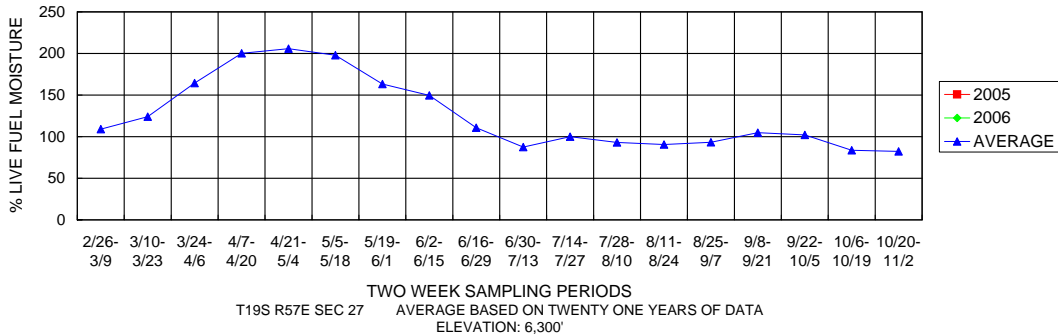
**ELY FIELD OFFICE LIVE FUEL MOISTURE DATA
PIOCHE - N5A**



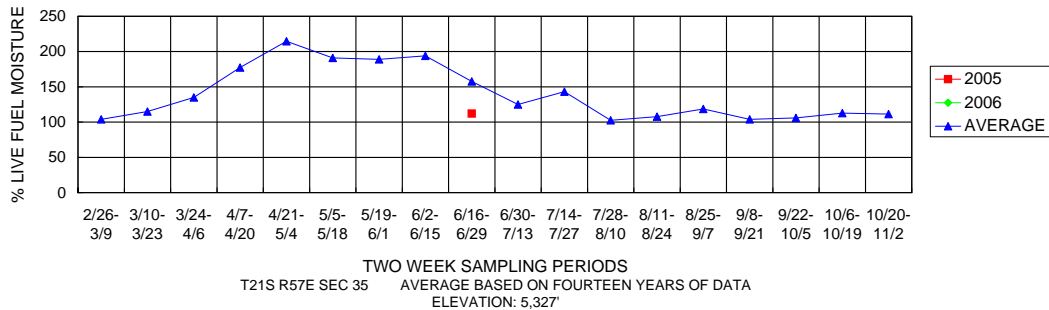
**ELY FIELD OFFICE LIVE FUEL MOISTURE DATA
RAINBOW CANYON - N5B**

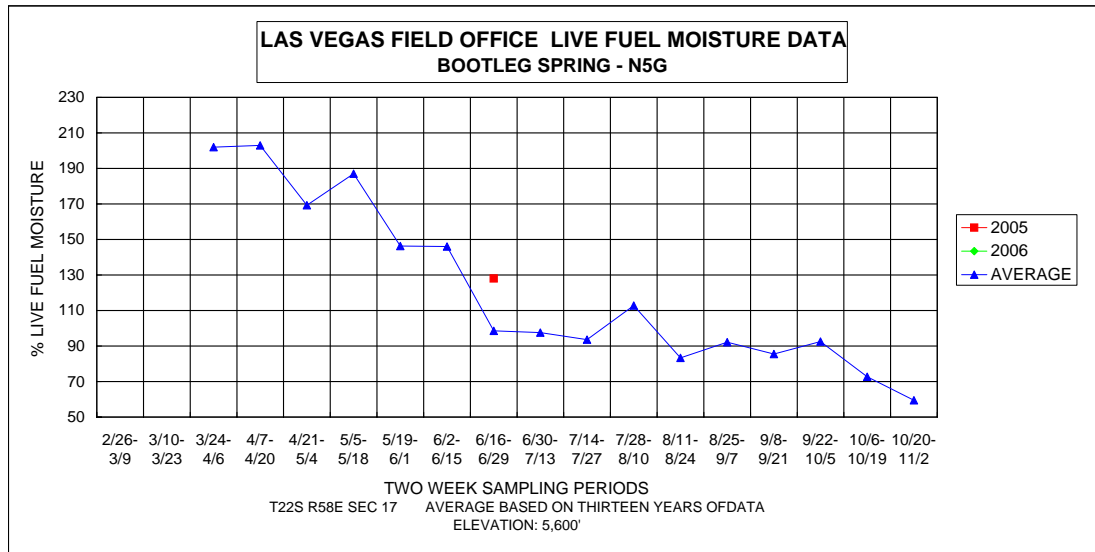
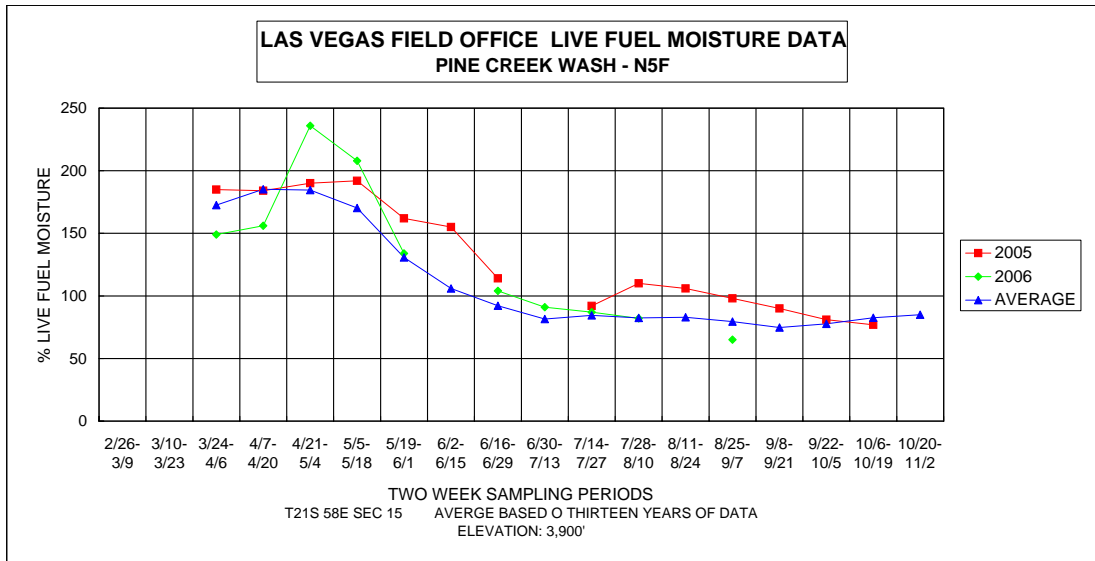
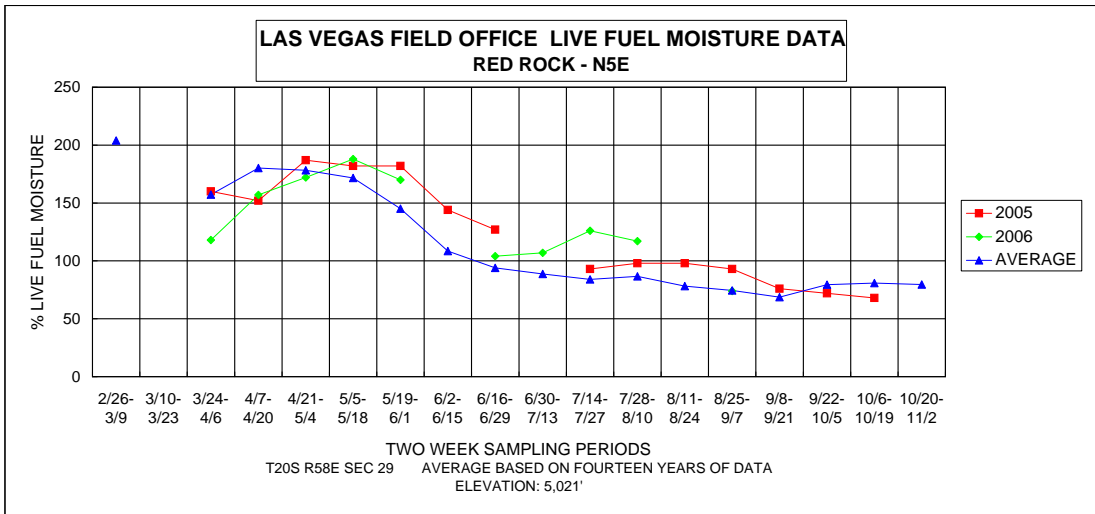


**LAS VEGAS FIELD OFFICE LIVE FUEL MOISTURE DATA
KYLE CANYON - N5C**

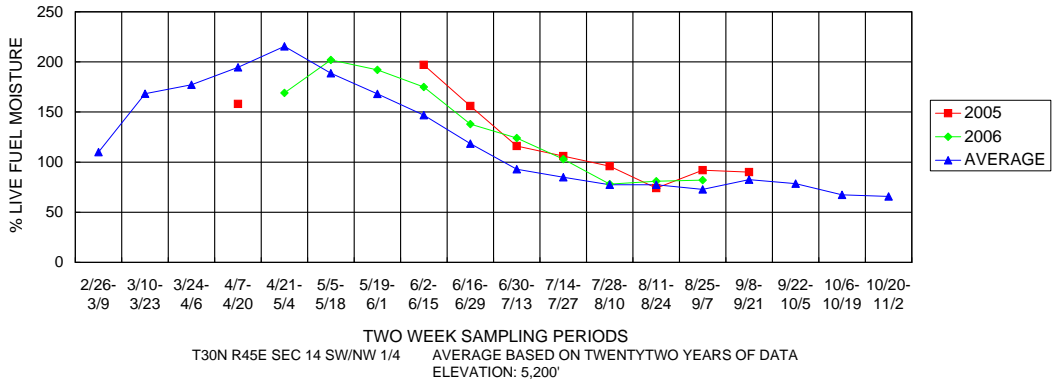


**LAS VEGAS FIELD OFFICE LIVE FUEL MOISTURE DATA
LOVELL CANYON - N5D**

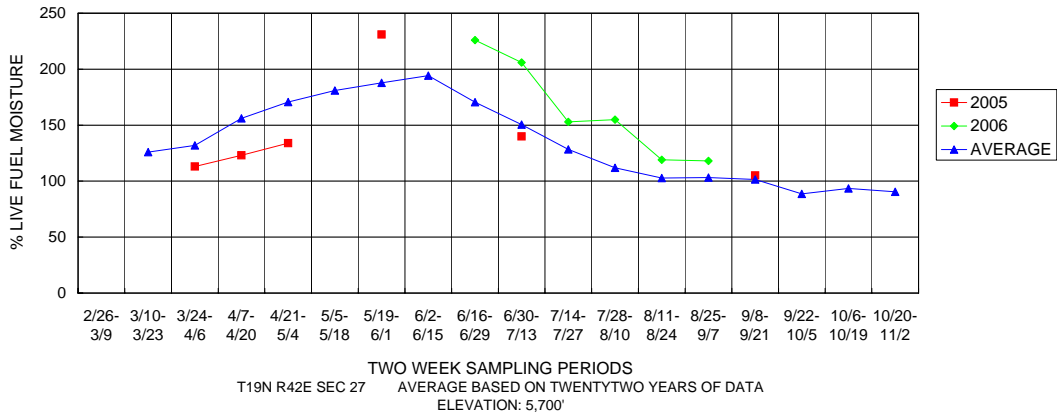




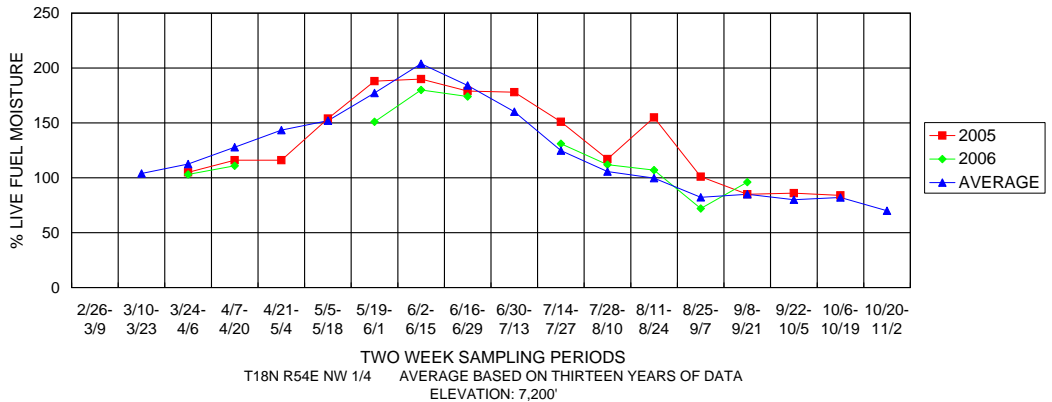
**BATTLE MOUNTAIN FIELD OFFICE LIVE FUEL MOISTURE DATA
LEWIS CANYON - N6A**

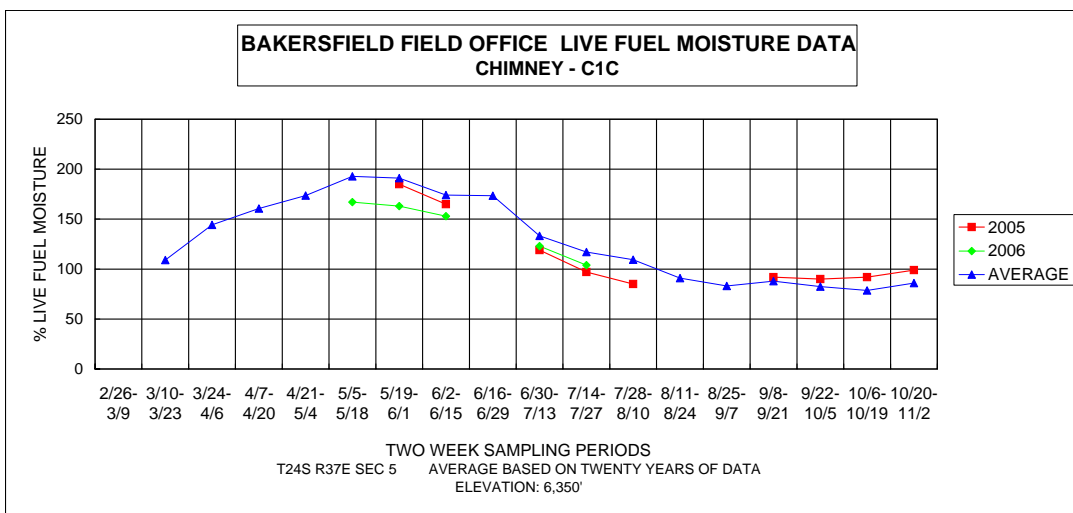
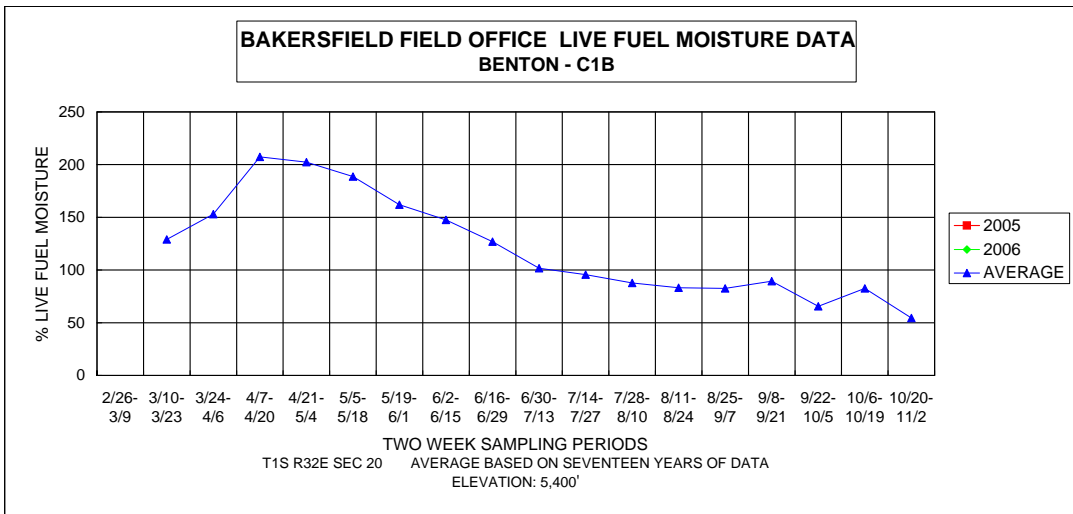
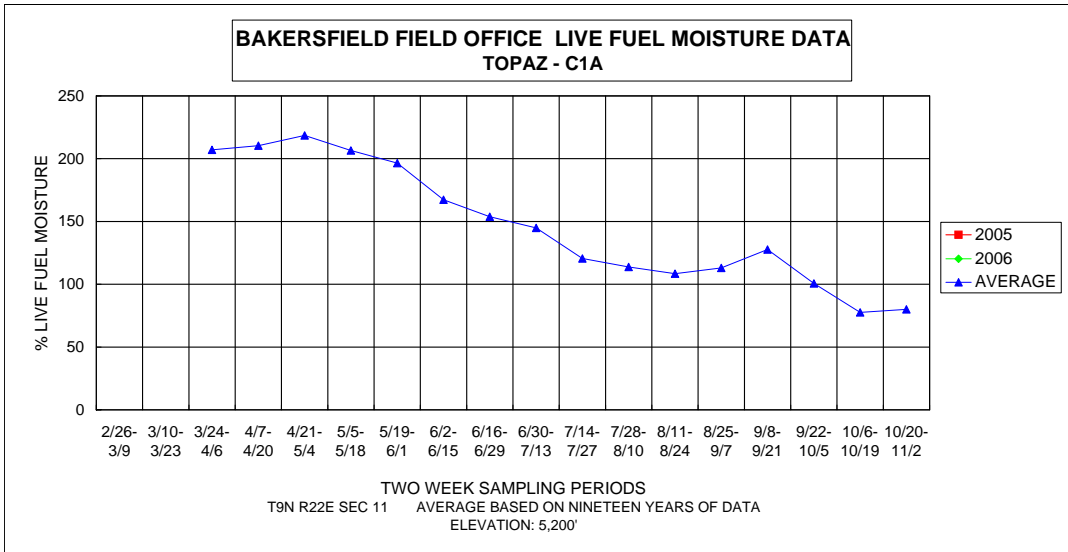


**BATTLE MOUNTAIN FIELD OFFICE LIVE FUEL MOISTURE DATA
AUSTIN - N6B**

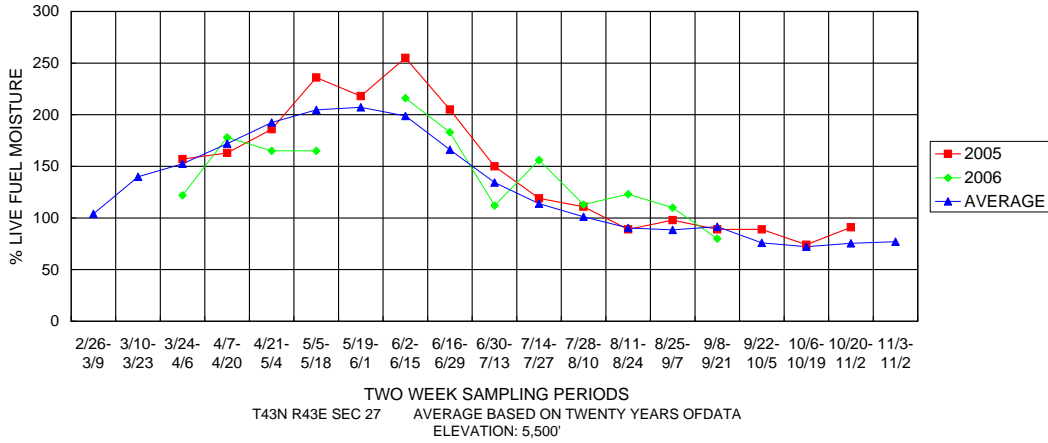


**BATTLE MOUNTAIN FIELD OFFICE LIVE FUEL MOISTURE DATA
LUCKY SPRINGS - N6C**

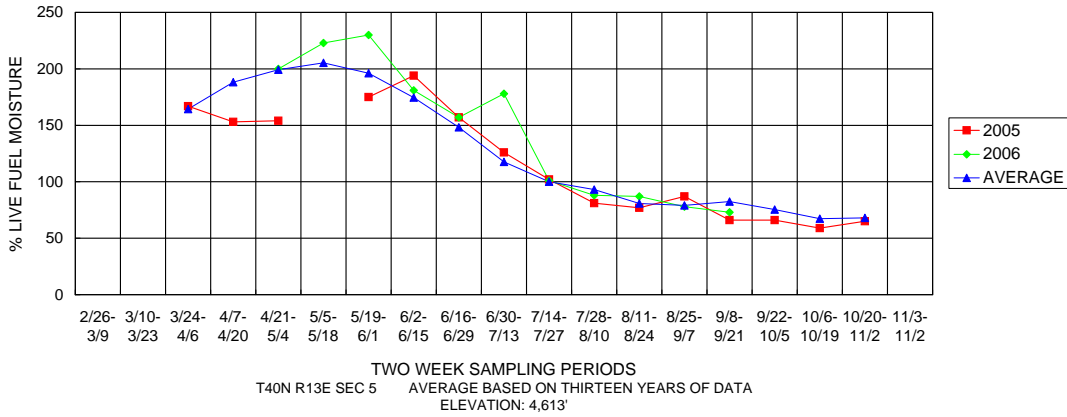




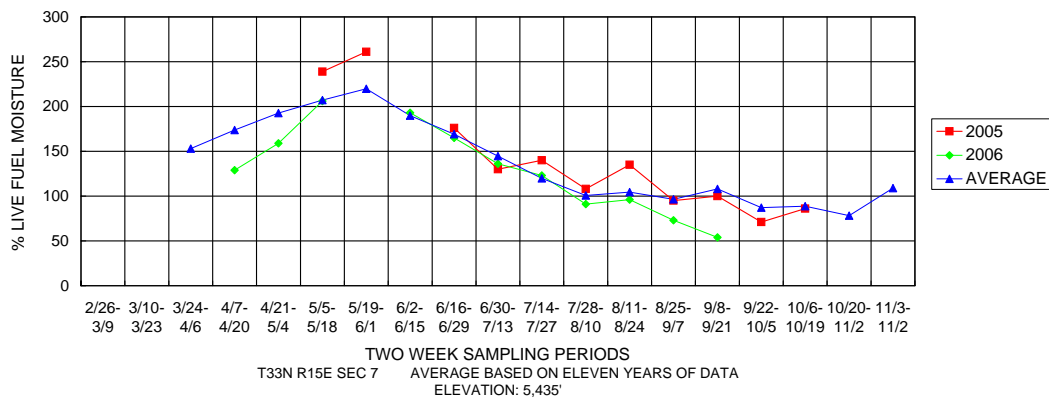
**SUSANVILLE FIELD OFFICE LIVE FUEL MOISTURE DATA
FORTYNINE - C2A**



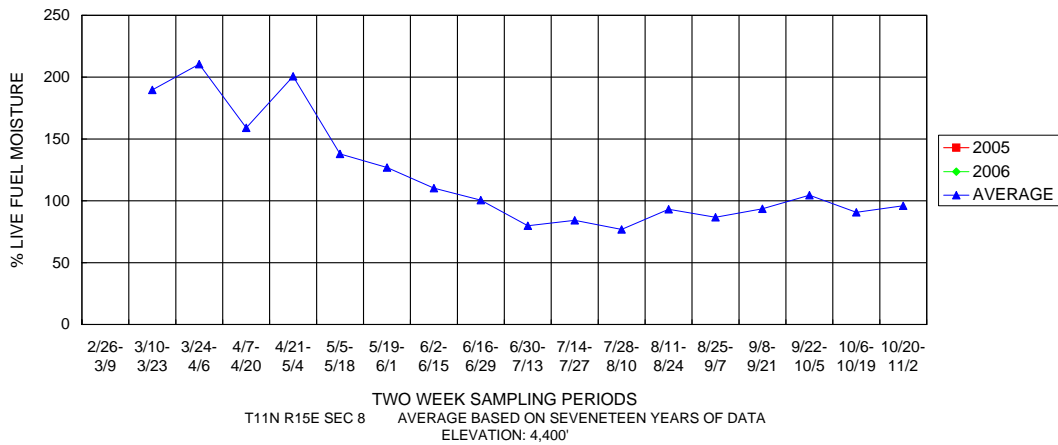
**SUSANVILLE FIELD OFFICE LIVE FUEL MOISTURE DATA
JUNIPER CREEK - C2B**



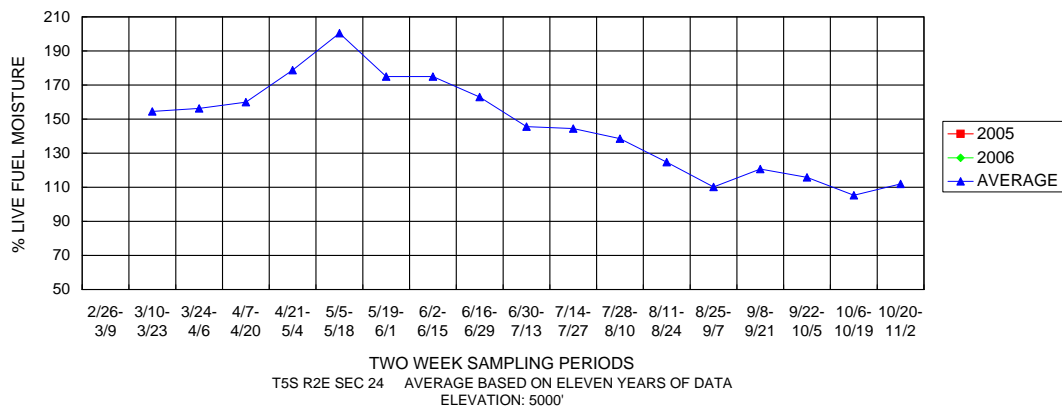
**SUSANVILLE FIELD OFFICE LIVE FUEL MOISTURE DATA
RAVENDALE STATION - C2D**



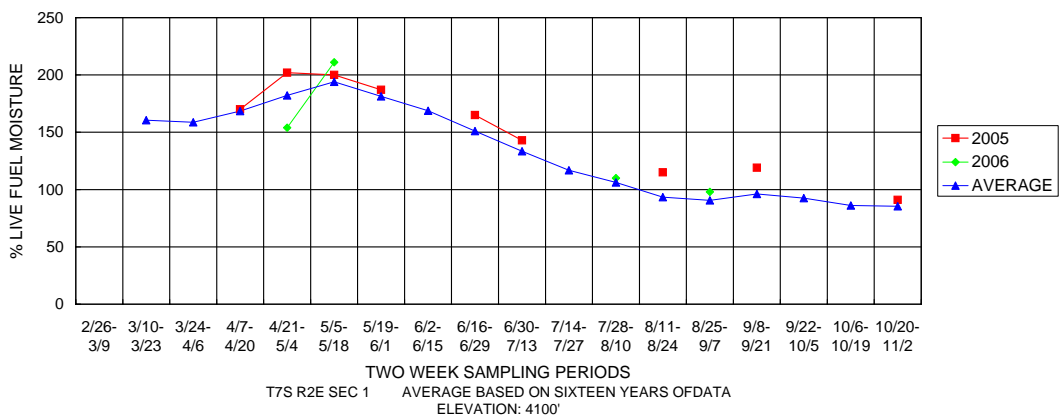
**RIVERSIDE FIELD OFFICE LIVE FUEL MOISTURE DATA
HOLE-IN-WALL - C6A**



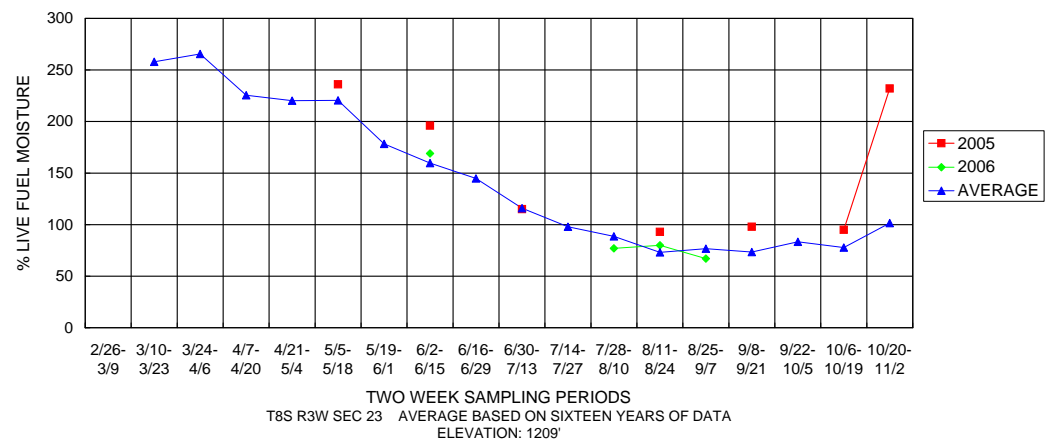
**CDF RIVERSIDE UNIT LIVE FUEL MOISTURE DATA
GARNER VALLEY - C7A**



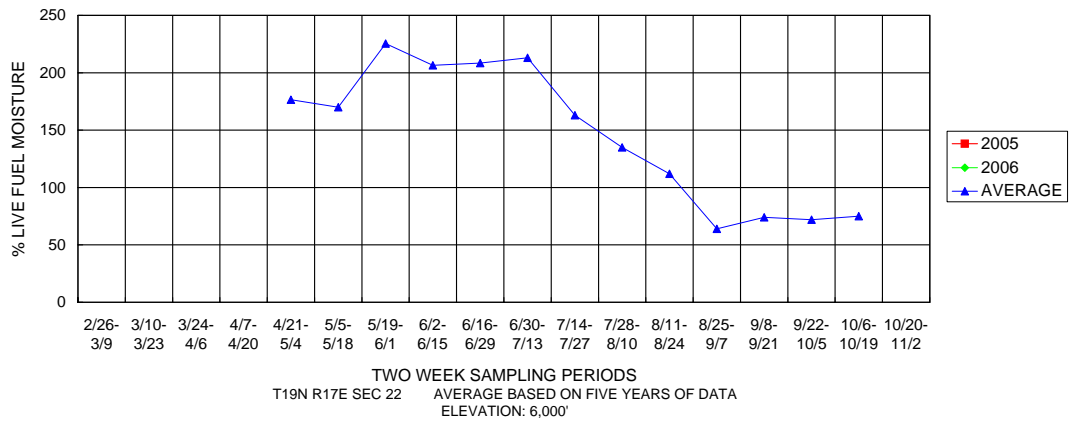
**CDF RIVERSIDE UNIT LIVE FUEL MOISTURE DATA
ANZA - C7B**

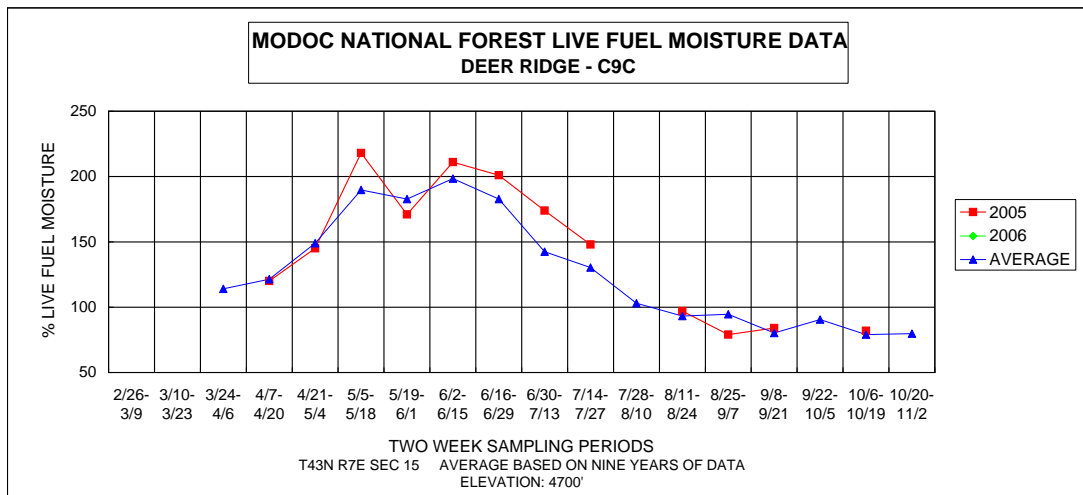
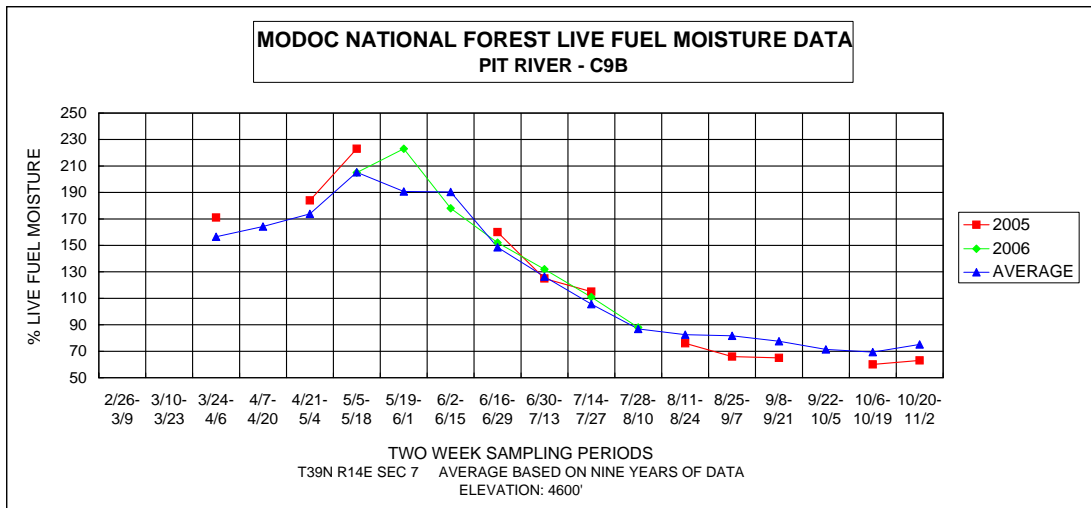
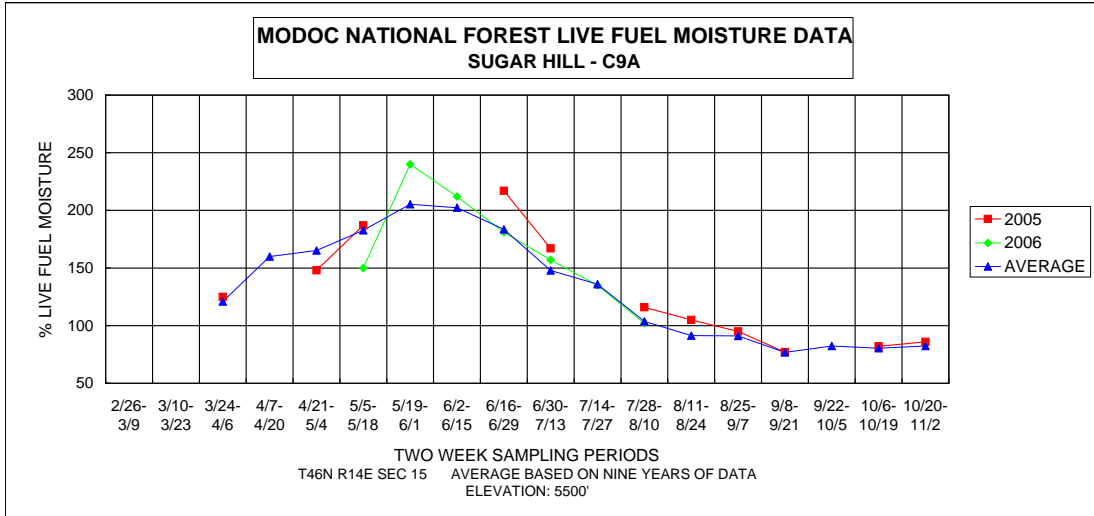


**CDF RIVERSIDE UNIT LIVE FUEL MOISTURE DATA
TEMECULA - C7C**

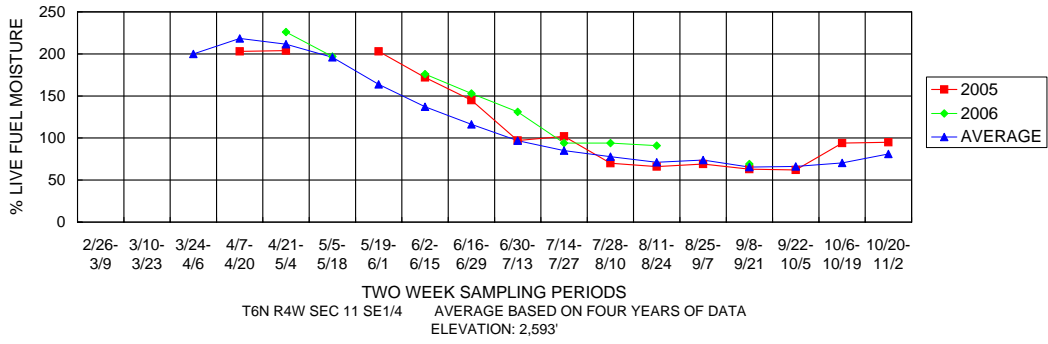


**TAHOE NATIONAL FOREST LIVE FUEL MOISTURE DATA
WORN MILL - C8A**

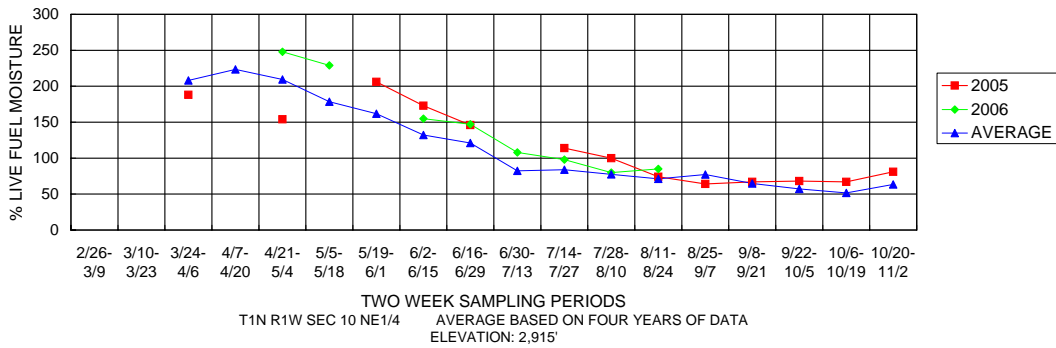




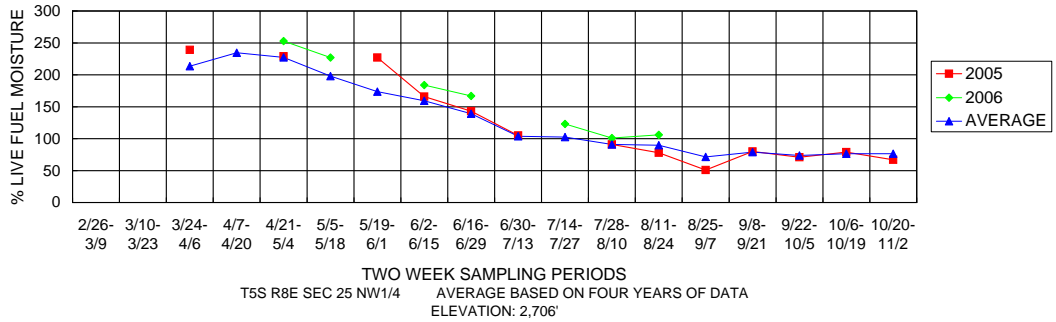
**LOWER SNAKE RIVER DISTRICT LIVE FUEL MOISTURE DATA
WILD WEST - 11A**



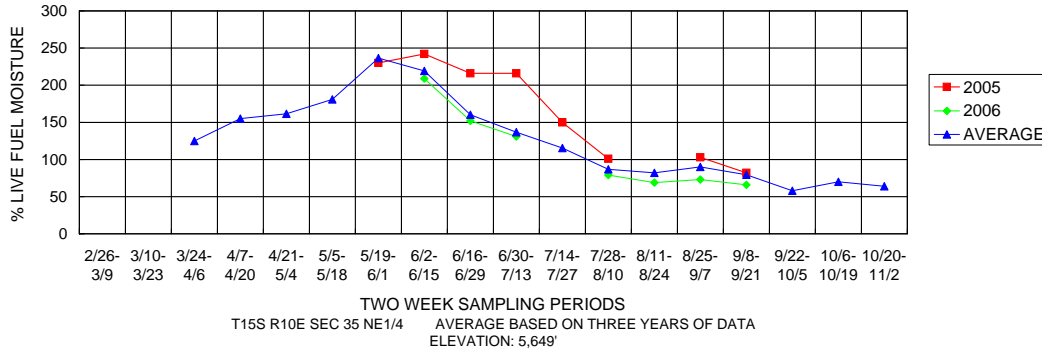
**LOWER SNAKE RIVER DISTRICT LIVE FUEL MOISTURE DATA
KUNA - 11B**



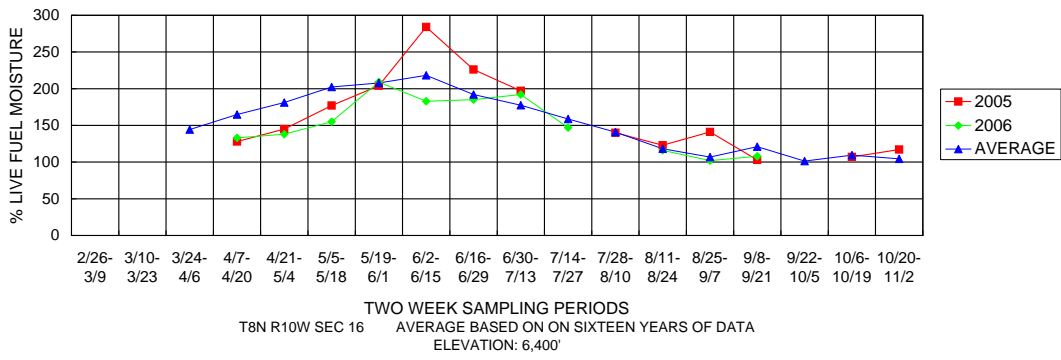
**LOWER SNAKE RIVER DISTRICT LIVE FUEL MOISTURE DATA
HAMMETT - 11C**



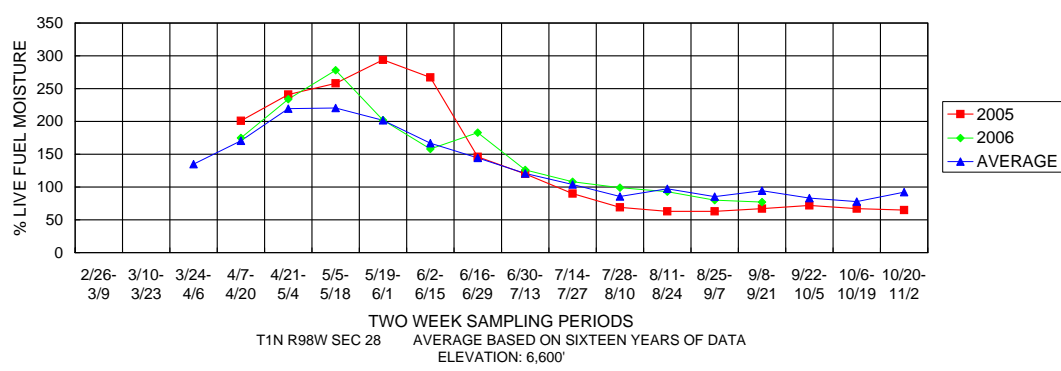
**LOWER SNAKE RIVER DISTRICT LIVE FUEL MOISTURE DATA
THREE CREEK - 11D**



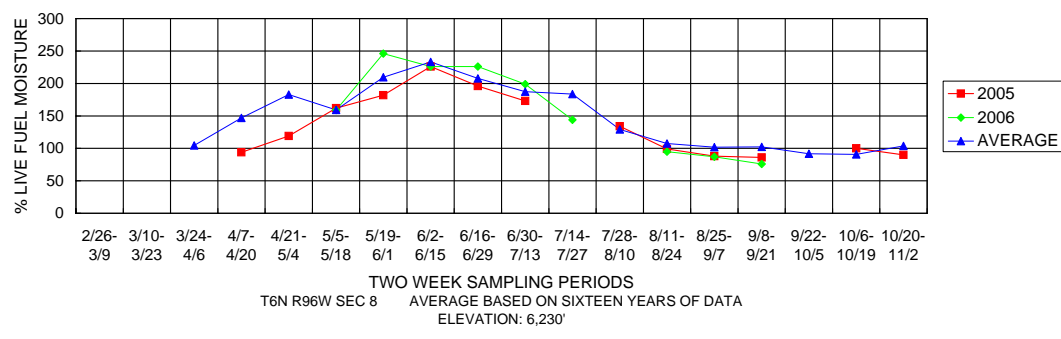
**IDAHO FALLS DISTRICT LIVE FUEL MOISTURE DATA
SODA SPRINGS HILLS - I3A**



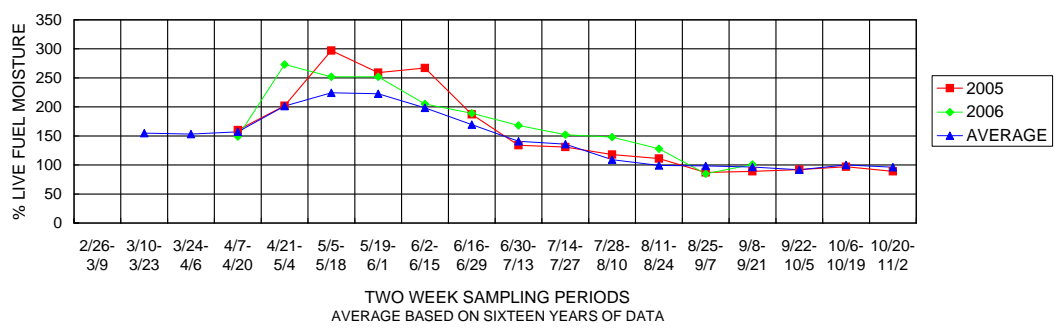
**IDAHO FALLS DISTRICT LIVE FUEL MOISTURE DATA
TABLE LEGS BUTTE - I3B**



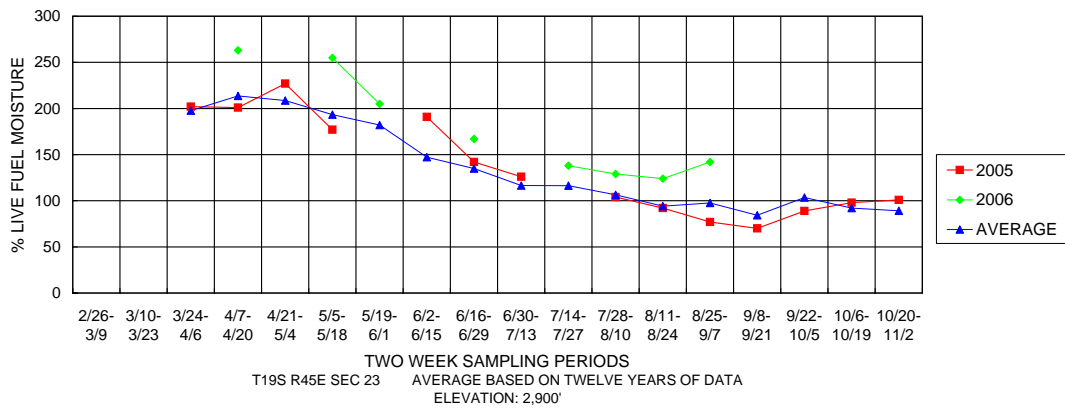
**IDAHO FALLS DISTRICT LIVE FUEL MOISTURE DATA
SELLERS CREEK - I3C**



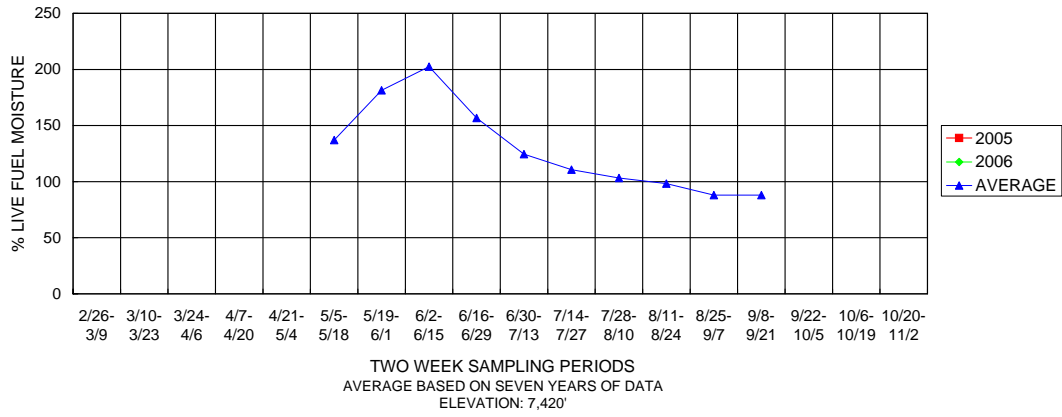
**IDAHO FALLS DISTRICT LIVE FUEL MOISTURE DATA
DUBIOS N.W. - I3D**



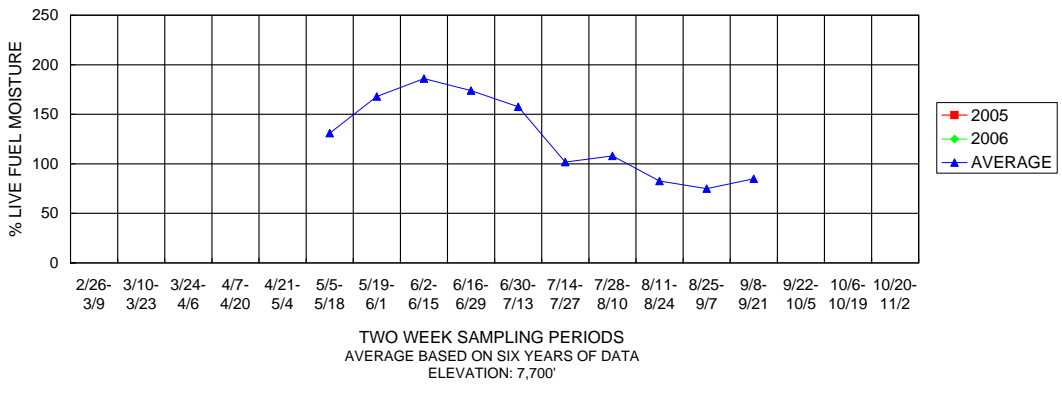
**VALE OREGON LIVE FUEL MOISTURE DATA
KEENEY PASS - VLD1**



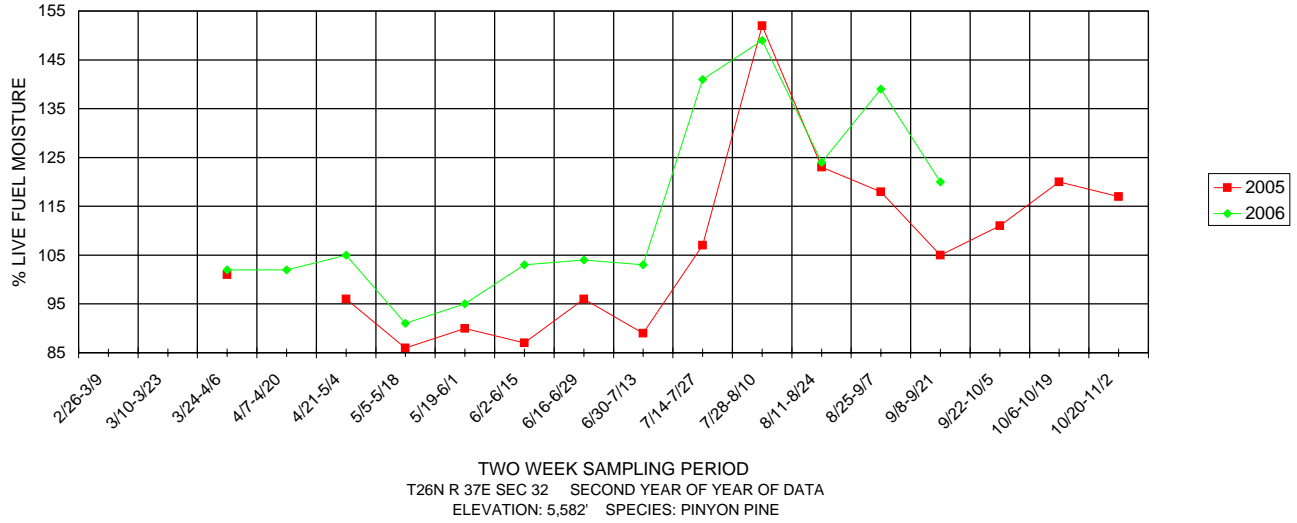
**ROCK SPRINGS DISTRICT-WYOMING LIVE FUEL MOISTURE DATA
MELLOR MOUNTAIN - W4A**



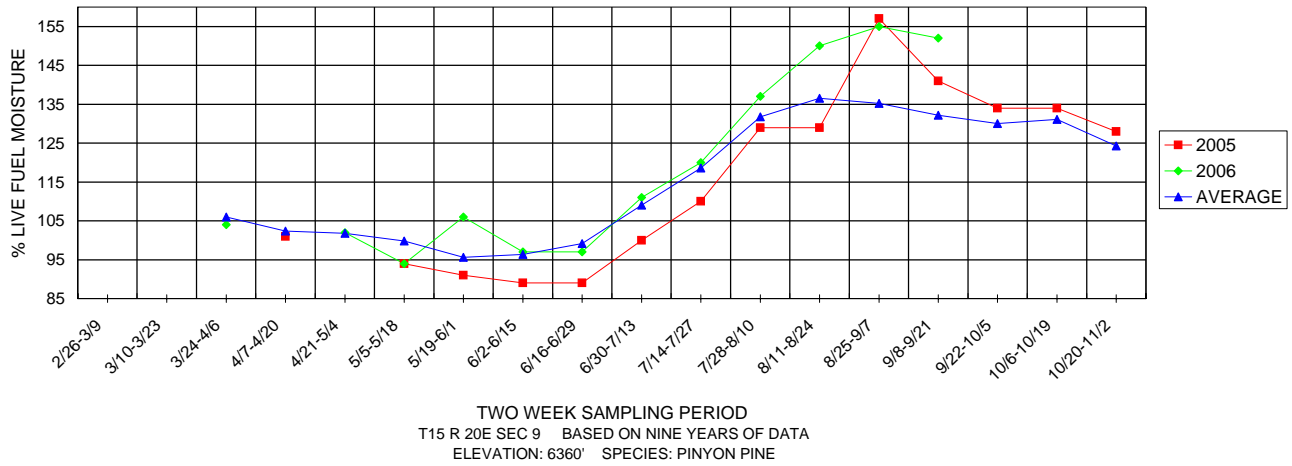
**ROCK SPRINGS DISTRICT-WYOMING LIVE FUEL MOISTURE DATA
PROSPECT - W4B**



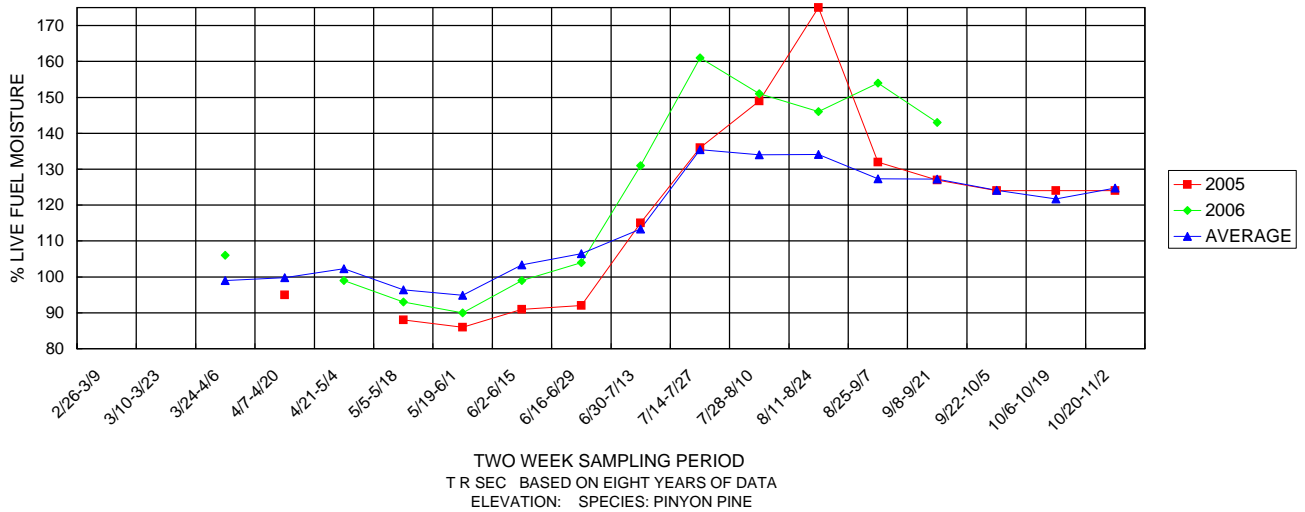
**WINNEMUCCA FIELD OFFICE PINYON PINE LIVE FUEL MOISTURE DATA
FENCEMAKER NP2A**



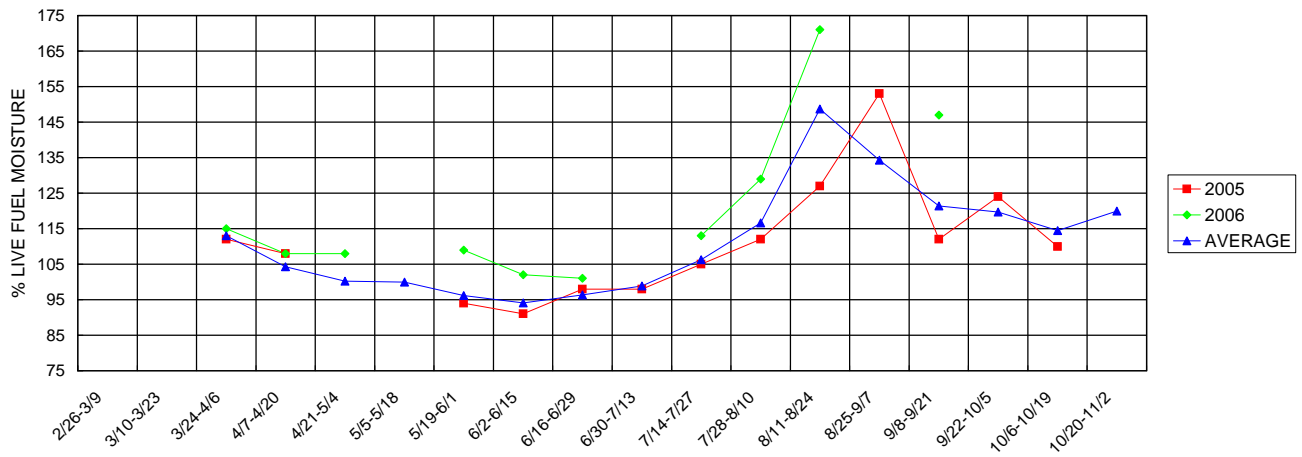
**CARSON CITY FIELD OFFICE PINYON PINE LIVE FUEL MOISTURE DATA
MARKLEEVILLE NP3A**



**CARSON FIELD OFFICE DISTRICT PINYON PINE LIVE FUEL MOISTURE DATA
SEEDGE NP3B**

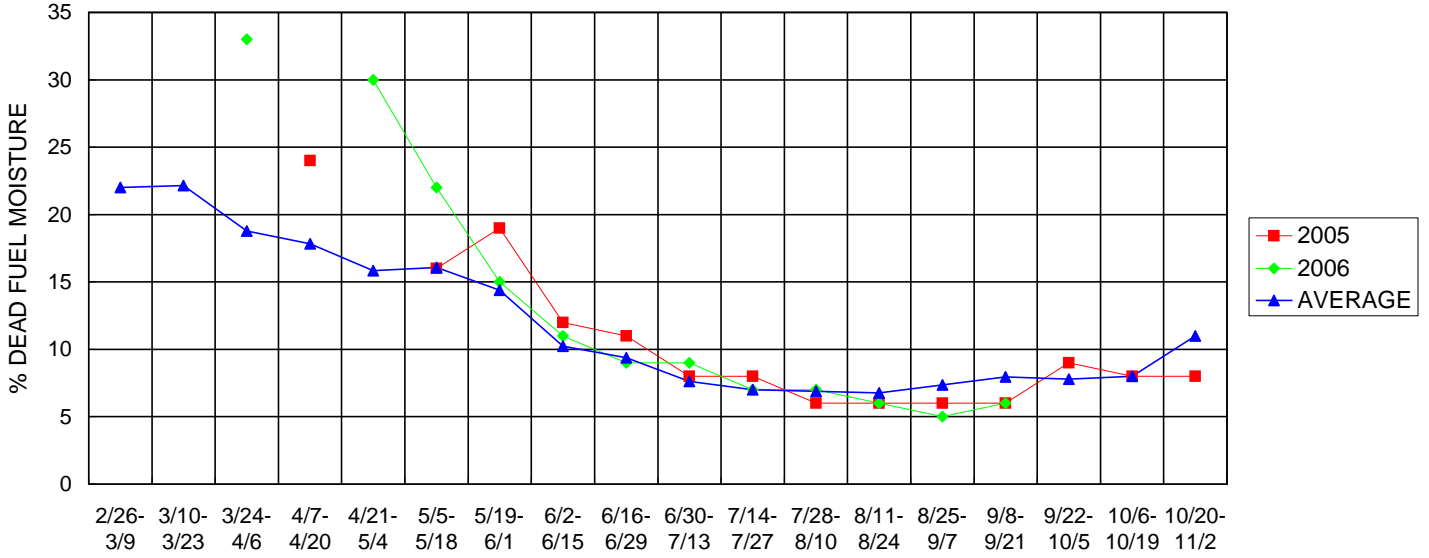


**BATTLE MOUNTAIN FIELD OFFICE PINYON PINE LIVE FUEL MOISTURE DATA
Mc COY NP6A**



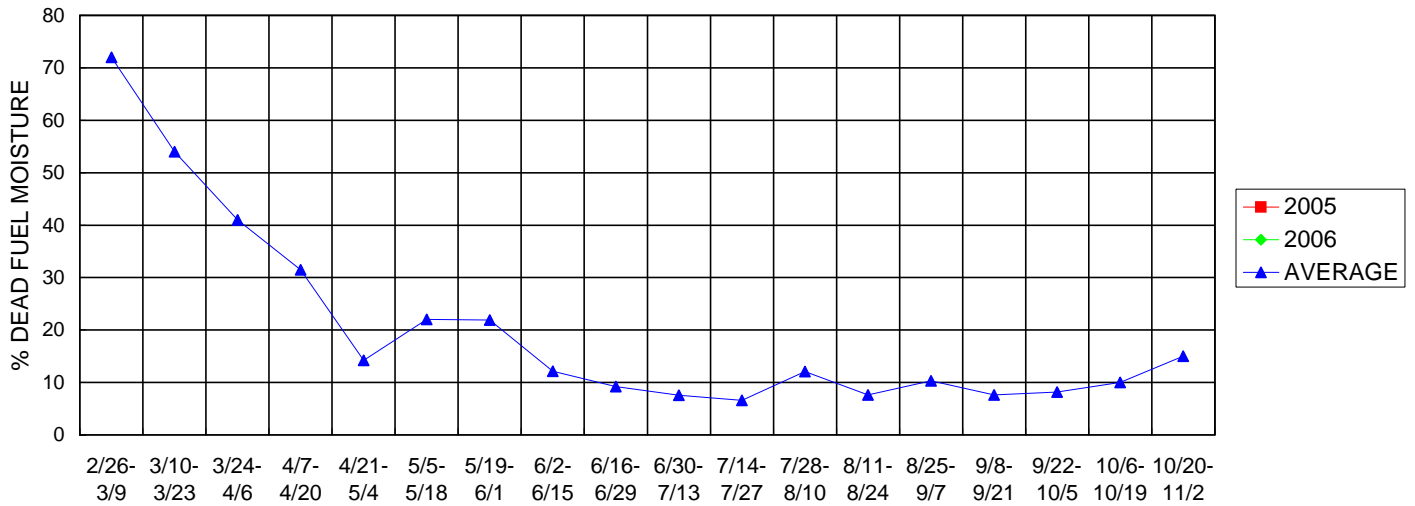
TWO WEEK SAMPLING PERIOD
 T R SEC BASED ON SEVEN YEARS OF DATA
 ELEVATION: 6800' SPECIES: PINYON PINE

**THOUSAND HOUR TIME LAG FUELS
MARKLEEVILLE CCD1**



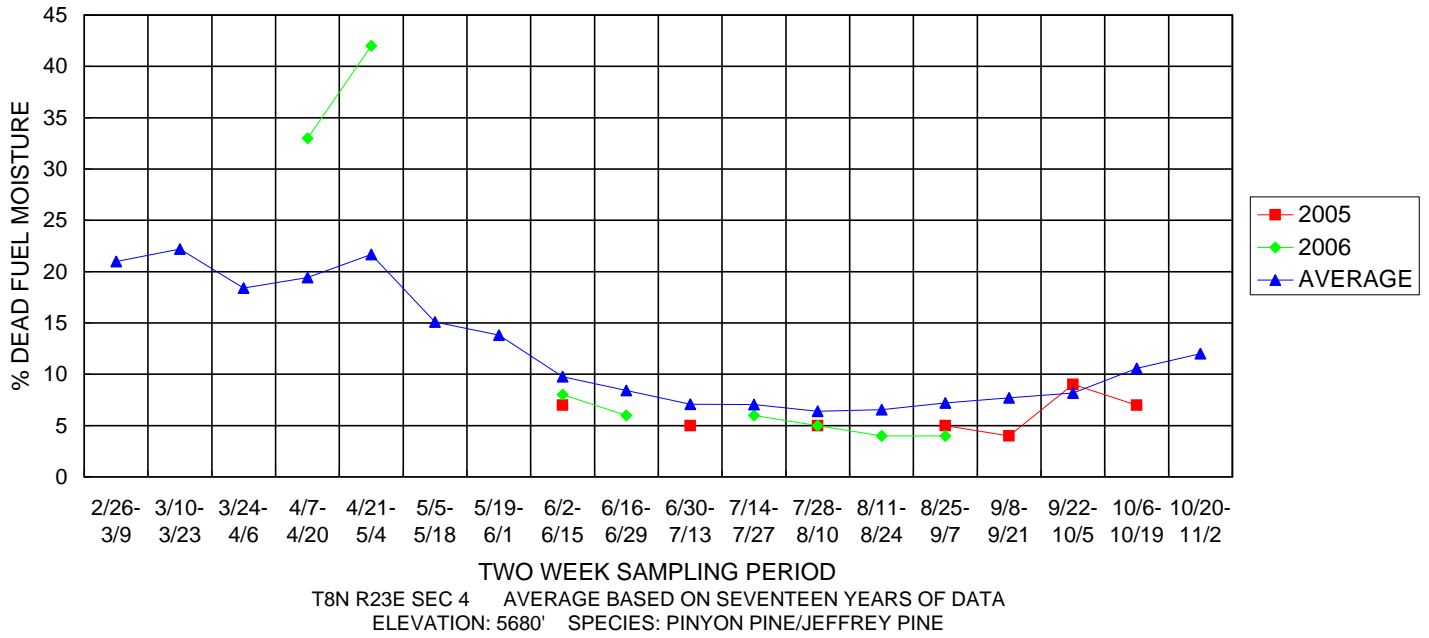
TWO WEEK SAMPLING PERIOD
T10 R 20E SEC 9 AVERAGE BASED ON SEVENTEEN YEARS OF DATA
ELEVATION: 6360' SPECIES PINYON PINE

**THOUSAND HOUR TIME LAG FUELS
DOG VALLEY TOF-1**

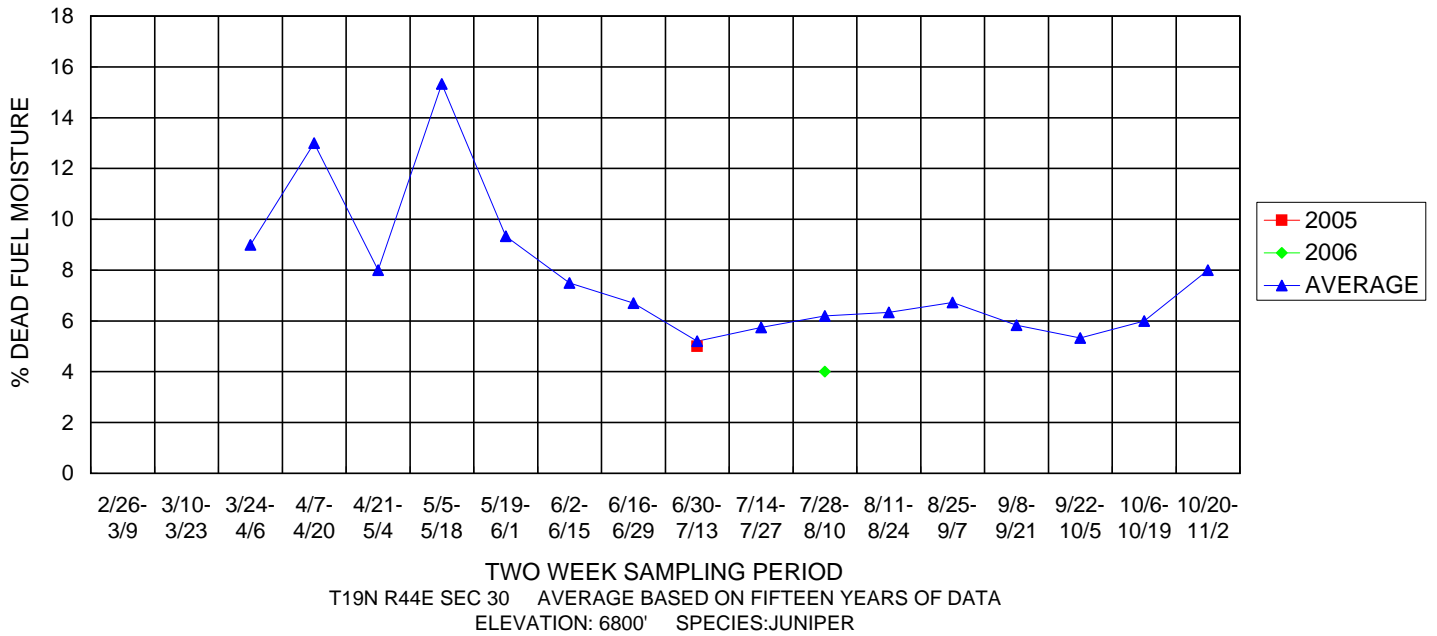


TWO WEEK SAMPLING PERIOD
T 20N R 17E SEC 25 AVERAGE BASED ON TWELVE YEARS OF DATA
ELEVATION: 5880' SPECIES: JEFFREY PINE

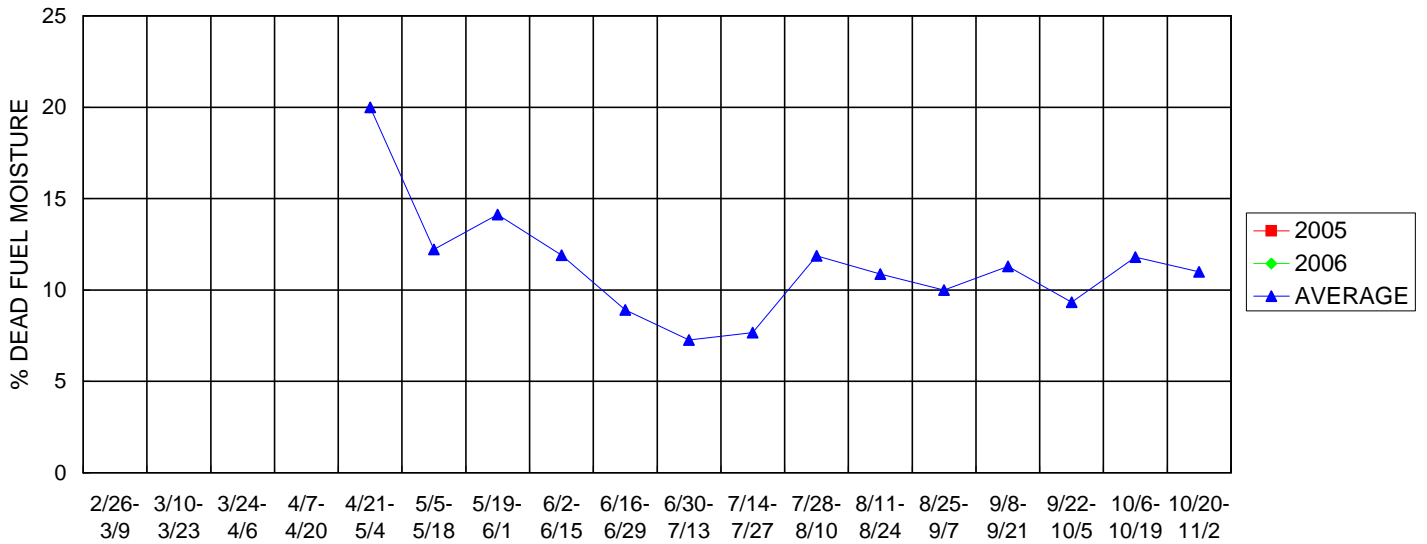
**THOUSAND HOUR TIME LAG FUELS
WALKER TOF-2**



**THOUSAND HOUR TIME LAG FUELS
AUSTIN TOF- 4**

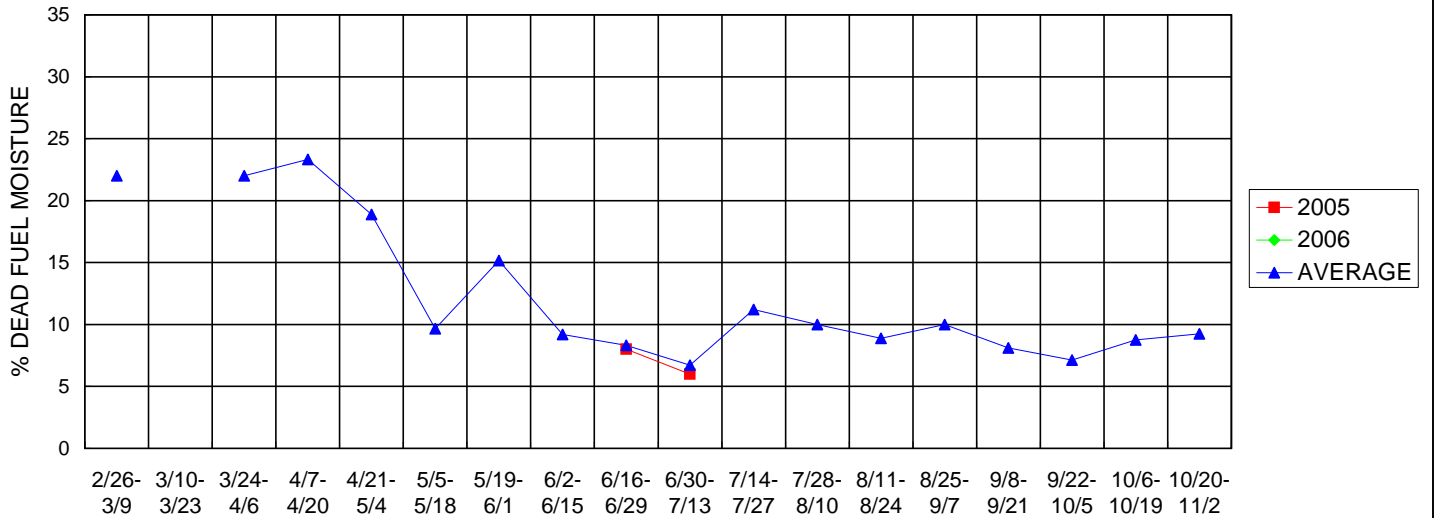


**THOUSAND HOUR TIME LAG FUELS
KYLE TOF- 5**



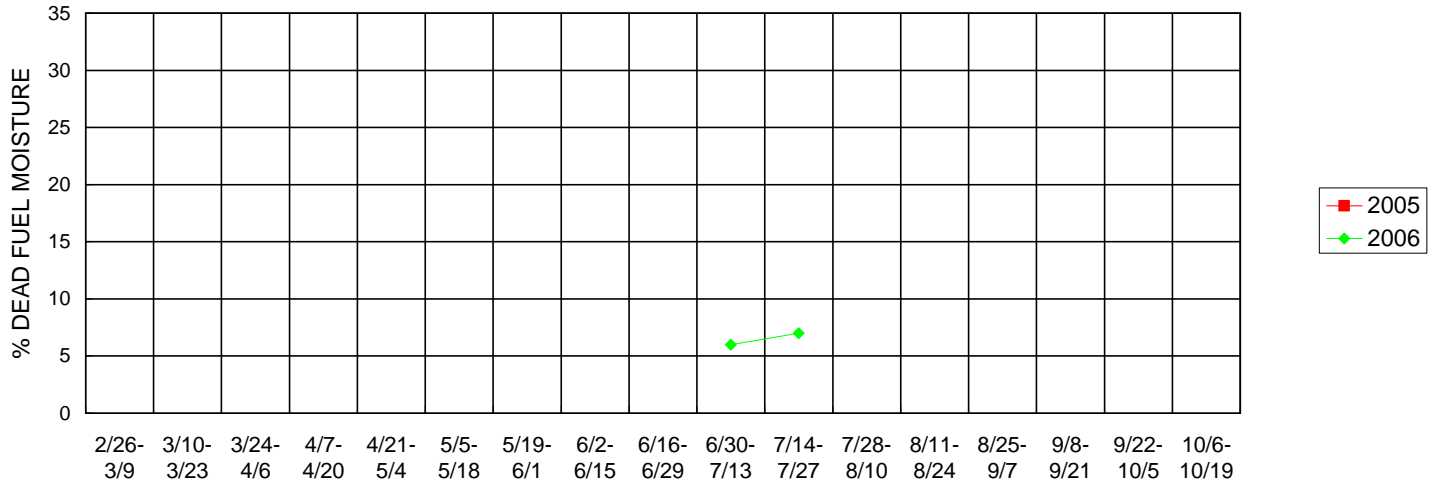
TWO WEEK SAMPLING PERIOD
T19N R57E SEC 32 AVERAGE BASED ON SIXTEEN YEARS OF DATA
ELEVATION: 7200' SPECIES: PINYON PINE

**THOUSAND HOUR TIME LAG FUELS
LOVELL CANYON TOF- 5B**



TWO WEEK SAMPLING PERIOD
T21S R57E SEC 35 AVERAGE BASED ON FIFTEEN YEARS OF DATA
ELEVATION: 5327' SPECIES: PINYON PINE

**THOUSAND HOUR TIME LAG FUELS
FENCEMAKER - WID**



TWO WEEK SAMPLING PERIOD
T21S R57E SEC 35 AVERAGE BASED ON FIFTEEN YEARS OF DATA
ELEVATION: 5582' SPECIES: PINYON PINE