Proposed Waste Discharge Requirements for Nonpoint Source Discharges and Other Controllable Water Quality Factors Related to Timber Harvesting and Associated Activities Conducted by Humboldt Redwood Company, LLC in the Upper Elk River Watershed (Order No. R1-2016-0004)

> <u>Item No. 13</u> June 16, 2016



Jim Burke

# Recap of May 12th Meeting

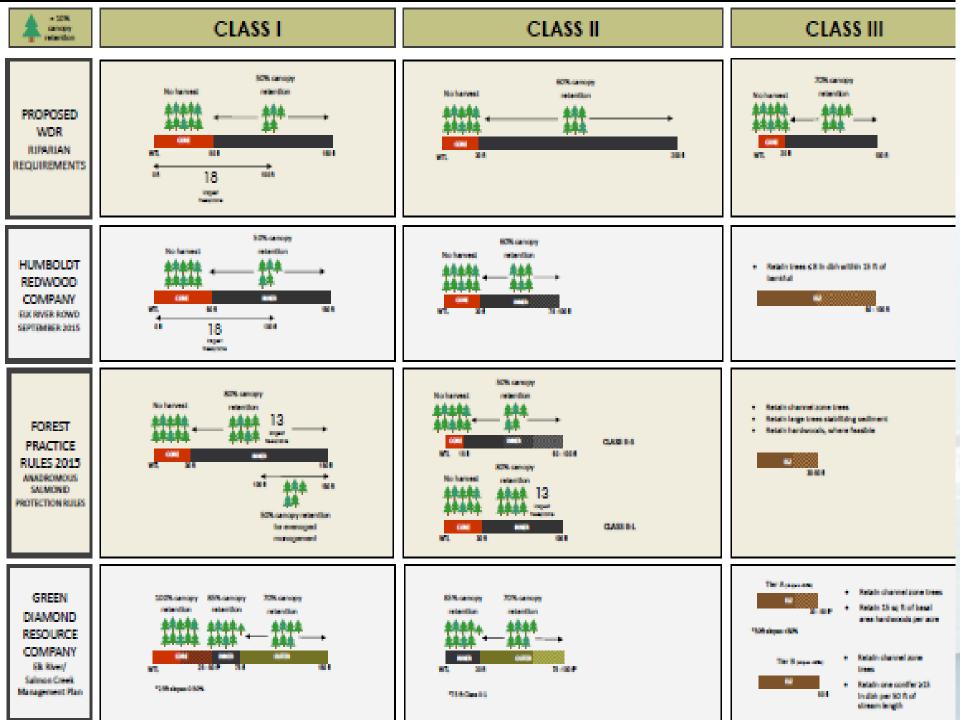
- Board members requested clarifications:
  - Riparian Management Zones (RMZs)
  - Harvest rates
  - Hydrology monitoring
  - Wet weather requirements
  - Criteria for lifting the temporary prohibition
- Record closed and meeting adjourned

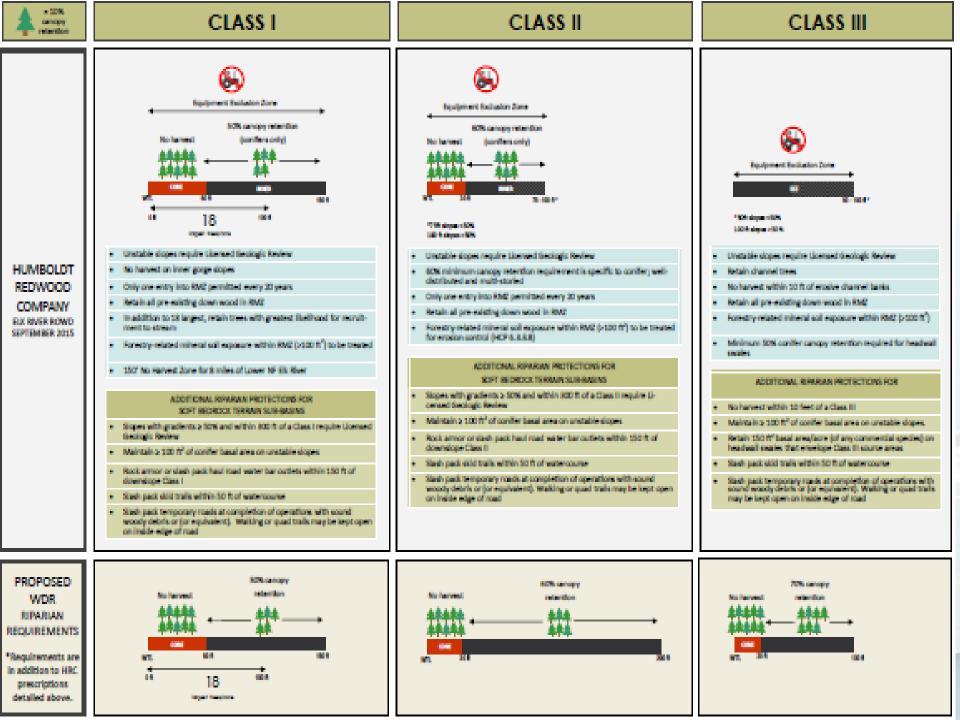


## **Presentation Outline**

- Clarifications for Board Members
- Revisions to proposed Order
- Questions







#### Attachment 3

### **Humboldt Redwood Company**

20 Year Harvest Projections - revised March 11, 2016

					Harvest by 5-year Periods									
South Fork Elk	Total	HRC	Proportion	201	2010-14		2015-2019		-2024	2025-2029		2030	2034	
SUBBASINS	Acres	Acres	HRC	acres*	cres* %ROH**		% ROH	acres	% ROH	acres	% ROH	acres	% ROH	
Lower SF	1,840.30	1,138.00	0.618	178.6	0.97%	131.9	0.72%	59.6	0.32%	24.7		0	0.00%	
Clapp Gulch	654.1	581.3	0.889	0		19.1	0.29%	178.9	2.74%	236	3.61%	0	0.00%	
Railroad Guich	762	714	0.937	0		125.2	1.64%	0		308.7	4.05%	0		
Tom Gulch	1,605.90	1,188.60	0.740	189.7	1.18%	10.1	0.06%	288.7	1.80%	239		0	0.00%	
McCloud Creek	1,521.00	209.6	0.138	0		39.3	0.26%	90	0.59%	0		0		
Little South Fork	2,327.00	18	0.008											
South Fork Elk	5,140.20	3,626.80	0.706	583.5	1.14%	571.9	1.11%	485.9	0.95%	247.2	0.48%	538.6	1.05%	
	13,851	7,476	0.540	951.8	0.69%	897.5	0.65%	1103.1	0.80%	1055.6	0.76%	538.6	0.39%	

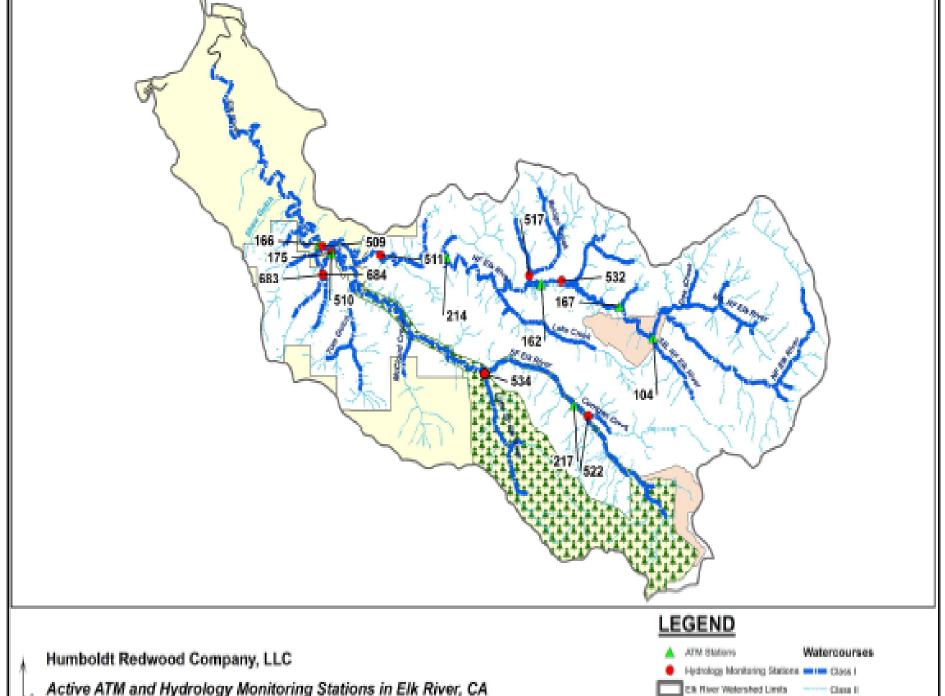
10 Year	r Period	ш	10 Year	r Period	ш	10 Year	Period	П	10 Year	Period	
2010	-2019	Ш	2015-2024			2020	-2029	2025-2034			
acres	%-ROH	Ш	acres	% ROH	Ш	acres	% ROH	П	acres	% ROH	
310.5	0.84%	Ш	191.5	0.52%	Ш	84.3	0.23%	П	24.7	0.07%	
19.1	0.15%	Ш	198	1.51%	Ш	414.9	3.17%	Н	236	1.80%	
125.2	0.82%	Ш	125.2	0.82%	Ш	308.7	2.03%	Н	308.7	2.03%	
199.8	0.62%	Ш	298.8	0.93%	Ш	527.7	1.64%	Н	239	0.74%	
39.3	0.13%	П	129.3	0.43%	П	90	0.30%	П	0	0.00%	
1155.4	1.12%	П	1057.8	1.03%	П	733.1	0.71%	П	785.8	0.76%	
1849.3	0.67%	H	2000.6	0.72%	H	2158.7	0.78%	ı	1594.2	0.58%	

					Harvest by 5-year Periods								
North Fork Elk	Total	HRC	Proportion	201	2010-14 acres % ROH		-2019	2020-2024		2025-2029		2030	-2034
SUBBASINS	Acres	Acres	HRC	acres			% ROH	acres	% ROH	acres	% ROH	acres	% ROH
Lower NF	1,578.70	1,309.80	0.830	141.0	0.89%	0		35.7		292.7	1.85%	217.3	1.38%
Dunlap	423.8	411.4	0.971	201.2	4.75%	0		0		0		0	l
Browns	574	573.8	1.000	201.2	3.51%	0		0		0		0	
Bridge Creek Elk	1,420.90	1,419.80	0.999	98.2	0.69%	52.7	0.37%	45.5	0.32%	280.9	1.98%	152.1	1.07%
McWhinney	810.1	810.1	1.000	93.5	1.15%	0		147.4	1.82%	59.5	0.73%	131.1	1.62%
Lake Creek	1,362.40	1,362.40	1.000	579.4	4.25%	0		0	0.00%	320.7	2.35%	466.2	3.42%
South Branch NF	1,224.90	1,224.90	1.000	120.1	0.98%	0	0.00%	227		337.1	2.75%	147.1	1.20%
North Branch NF	2,560.60	2,560.60	1.000	12.6	0.05%	1044.5	4.08%	87	0.34%	382.3	1.49%	381.9	1.49%
North Fork Elk	2,795.10	2,795.10	1.000	0		618.4	2.21%	608.5	2.18%	239.7	0.86%	0	
Upper NF	1,644.20	1,644.20	1.000	248.5		0		77.2	0.47%	0		514.4	3.13%
	14,395	14,112	0.980	1695.7	1.18%	1715.6	1.19%	1228.3	0.85%	1912.9	1.33%	2010.1	1.40%
Mainstem Elk	5,564	320	0.057	0	0.00%	221.5	0.40%	0	0.00%	56.9	0.10%		0.10%
Elk River	33,809	21,908	0.648	2648	0.78%	2835	0.84%	2331	0.69%	3025	0.89%	2549	0.75%

1849.3	0.67%	ш	2000.6	0.72%	1	2158.7	0.78%		1594.2	0.58%
104373	0.07%		2000.0	0.72%		2130.7	UL7876		12047	0.50%
10 Year	Period	Ш	10 Year Period			10 Year Period			10 Year	Period
2010-2019		П	2015-2024			2020	-2029		2025	2034
acres	%ROH	Ш	acres	% ROH	1	acres	% ROH		acres	% ROH
141	0.45%	Ш	35.7	0.11%	1	328.4	1.04%		510	1.62%
201.2	2.37%	Ш	0	0.00%		0	0.00%		0	0.00%
201.2	1.75%	Ш	0	0.00%		0	0.00%		0	0.00%
150.9	0.53%	Ш	98.2	0.35%		326.4	1.15%		433	1.52%
93.5	0.58%	Ш	147.4	0.91%		206.9	1.28%		190.6	1.18%
579.4	2.13%	Ш	0	0.00%		320.7	1.18%		786.9	2.89%
120.1	0.49%	Ш	227	0.93%		564.1	2.30%		484.2	1.98%
1057.1	2.06%	Ш	1131.5	2.21%		469.3	0.92%		764.2	1.49%
618.4	1.11%	Ш	1226.9	2.19%		848.2	1.52%		239.7	0.43%
248.5	0.76%	Ш	77.2	0.23%		77.2	0.23%		514.4	1.56%
3411.3	1.18%	Ш	2943.9	1.02%	1	3141.2	1.09%		3923.0	1.36%
221.5	0.20%	Ш	221.5	0.20%	1	56.9	0.00%		56.9	0.05%
					- :					
5482	0.81%	Ш	5166	0.76%	1	5357	0.79%		5574	0.82%
					•					

<sup>\*</sup> havest acres are acres of selection sillyculture

<sup>\*\* %</sup> ROH is in dearcut equivelent



MMCA

Active ATM and Hydrology Monitoring Stations in Elk River, CA

# Wet Weather Requirements

Retain restrictions on operations through May 1<sup>st</sup>



### Revisions

- Temporary prohibition expires in 10 years
- Prohibition does not apply to THP 1-12-110 HUM (McCloud Shaw)



#### Attachment 3

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					•					

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<sup>\*\* %</sup> ROH is in dearcut equivelent

### Revisions

2% equivalent clearcut acres per year now treated as a threshold of concern



## Staff recommendation:

Adopt proposed Order No. R1-2016-0004 and Mitigated Negative Declaration

