

# Class II Watercourse Typing Data Questionnaire Summary

Forest Practice Committee  
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# Contents of Solicitation:

- ▣ Request for approved THP and NTMP information on:
  - Class II L Watercourse Frequency
  - Stream Order
  - Contributing Drainage Area
- ▣ Implementation Cost Differences Between CII S and CII L
- ▣ Photographs
- ▣ Brief Narrative on Classification Process



# RESPONSE TO REQUEST:

## Coast District:

- Campbell Timberland Mgmt.
- JDSF
- Sierra Pacific Industries
- Blair Forestry

## Northern District:

- W.M. Beaty and Associates
- California Michigan Timber



# RESPONSE TO REQUEST:

## Coast District:

- 23 THPs
- 4,980 total acres

## Northern District:

- 3 THPs
- 3,123 total acres



# Class II L Frequency:

## ▣ Coast District

A	Total Number of individual Class II watercourse segments flowing directly into Class I watercourse segments associated with all Plans reviewed? (Note: it is the actual Class II segment flowing into the Class I that we are tallying not all the smaller tributaries to this segment.)	95	
B	Total Number of individual CLASS II-L watercourses flowing into Class I watercourse segments associated with all Plans reviewed? (This is a subset of item 'A' above.)	47	% B/A
			53%

## ▣ Northern District

A	Total Number of individual Class II watercourse segments flowing directly into Class I watercourse segments associated with all Plans reviewed? (Note: it is the actual Class II segment flowing into the Class I that we are tallying not all the smaller tributaries to this segment.)	7	
B	Total Number of individual CLASS II-L watercourses flowing into Class I watercourse segments associated with all Plans reviewed? (This is a subset of item 'A' above.)	7	% B/A
			100%



# Class II Frequency:

## ▣ Coast District:

<b>D</b>	Estimated total combined length (in feet) of all CLASS II watercourse segments (Standard and Large) in all Plans reviewed?	193,290	
<b>E</b>	Estimated total combined length (in feet) of all watercourse segments receiving CLASS II-L protection measures in all Plans reviewed?	43,754	% E/D 23%

## ▣ Northern District:

<b>D</b>	Estimated total combined length (in feet) of all CLASS II watercourse segments (Standard and Large) in all Plans reviewed?	23,270	
<b>E</b>	Estimated total combined length (in feet) of all watercourse segments receiving CLASS II-L protection measures in all Plans reviewed?	23,270	% E/D 100%



# Stream Order:

## ▣ Coast District

F	Total number of CLASS II watercourse segments, identified in item 'A' above, by stream order (1 <sup>st</sup> , 2 <sup>nd</sup> , or 3 <sup>rd</sup> or greater order as defined in § 895.1)?	1 <sup>st</sup>	2 <sup>nd</sup>	≥3 <sup>rd</sup>
		19	45	31
		% F/A	% F/A	% F/A
		20%	47%	33%

C	Total number of CLASS II-L watercourse segments, identified in item 'B' above, by stream order (1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> or greater Order as defined in § 895.1)?	1 <sup>st</sup>	2 <sup>nd</sup>	≥3 <sup>rd</sup>
		4	18	25
		% C/B	% C/B	% C/B
		8%	38%	54%



# Stream Order:

## ▣ Northern District

F	Total number of CLASS II watercourse segments, identified in item 'A' above, by stream order (1 <sup>st</sup> , 2 <sup>nd</sup> , or 3 <sup>rd</sup> or greater order as defined in § 895.1)?	1 <sup>st</sup>	2 <sup>nd</sup>	≥3 <sup>rd</sup>
		5	2	0
		% F/A	% F/A	% F/A
		72%	28%	0%

C	Total number of CLASS II-L watercourse segments, identified in item 'B' above, by stream order (1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> or greater Order as defined in § 895.1)?	1 <sup>st</sup>	2 <sup>nd</sup>	≥3 <sup>rd</sup>
		5	2	0
		% C/B	% C/B	% C/B
		72%	28%	0%



# Contributing Drainage Area:

## ▣ Coast District

G	Total number of CLASS II-L watercourses, identified in item 'B' above, by estimated acreage of contributing drainage area (to where the Class II-L intersects with the Class I)?	<50 ac.	50-99 ac.	100-149 ac.	≥150 ac.
		12	14	7	14
		% G/B	% G/B	% G/B	% G/B
		25%	30%	15%	30%

## ▣ Northern District

G	Total number of CLASS II-L watercourses, identified in item 'B' above, by estimated acreage of contributing drainage area (to where the Class II-L intersects with the Class I)?	<50 ac.	50-99 ac.	100-149 ac.	≥150 ac.
		4	0	0	3
		% G/B	% G/B	% G/B	% G/B
		57%	0%	0%	43%



# Class II S – Photo Documentation

Confluence with Class I watercourse – BAG05



## Class II S – Photo Documentation

300 Feet Upstream of Confluence with Class I – BAG05



### Watercourse Data:

Stream Order: 1

Drainage Area: 14 Acres

Bankfull Width: .5 Feet

Bankfull Depth: .01 Feet



# Class II L – Photo Documentation

Confluence with Class I watercourse – RIB 02



## Class II L – Photo Documentation

300 Feet Upstream of Confluence with Class I – RIB 02



### Watercourse Data:

Stream Order: 3

Drainage Area: 209 Acres

Bankfull Width: 5.9 Feet

Bankfull Depth: 1.6 Feet



# Class II L – Photo Documentation

Confluence with Class I watercourse – CRW 10



## Class II L – Photo Documentation

300 Feet Upstream of Confluence with Class I – CRW 10



### Watercourse Data:

Stream Order: 2

Drainage Area: 41 Acres

Bankfull Width: N/A

Bankfull Depth: N/A



## Class II S – Photo Documentation

Tank Gulch THP 1-12-036 MEN



### Watercourse Data:

Stream Order: 2

Drainage Area: ~40 Acres

Bankfull Width: N/A

Bankfull Depth: N/A



## Class II L – Photo Documentation

Tank Gulch THP 1-12-036 MEN



### Watercourse Data:

Stream Order: 3

Drainage Area: ~80 Acres

Bankfull Width: N/A

Bankfull Depth: N/A



## Class II L – Photo Documentation

Tank Gulch THP 1-12-036 MEN



### Watercourse Data:

Stream Order: 3

Drainage Area: 125 Acres

Bankfull Width: N/A

Bankfull Depth: N/A



## Class II L – Photo Documentation

Tank Gulch THP 1-12-036 MEN



### Watercourse Data:

Stream Order: 3

Drainage Area: 125 Acres

Bankfull Width: N/A

Bankfull Depth: N/A



# Narratives on Classification Process:

- Discussion with our foresters working within areas covered by the ASP rules has confirmed that the local agency inspectors are interpreting all Class II watercourses with flowing water, regardless of size, as Class II-L watercourses. The rule is being interpreted as Class II “Wet” rather than “Large”.
- The Cal Fire Interpretive Questions and Answers document states that all Class II-L watercourses shall be typed for their entire length (although only a distance of 1,000 feet, or total length of Class II-L, which ever is less, measured from the confluence with a Class I watercourse requires Class II-L protection). This typing has caused confusion on the ground by foresters when designating the WLPZ. To alleviate this, we may need to prepare both a Watercourse Type Map and a Watercourse Classification Map.



# Narratives on Classification Process:

- ▣ CAL FIRE Interpretive Q & A for ASP Rules:
  - “The language adopted by the Board describes a Class II-L **as an order 2 or 3 watercourse** that can “supply water” or “contribute flow” to a Class I watercourse after July 15<sup>th</sup> in a year of average precipitation.
  - “Once typed as a Class II-L based upon one office approach and considering surface flow as well as the other factors, the watercourse remains a **Class II-L for at least 1,000 feet from the confluence with Class I watercourse, unless:** (1) the classification changes to a Class III watercourse, or **(2) the stream order changes to a first order Class II watercourse.** (Stated in 5 locations)



# Narratives on Classification Process:

- The ASP rules require Class II typing to be determined using both office – based and field-based approaches. **As an initial screening, it would be correct to assume that a first order Class II watercourse would not be typed as a Class II-L. However, it is possible to have a first order Class II-L watercourse. This would most likely occur in areas with volcanic terrain where springs produce significant water discharge with very minimal drainage area. The final determination of watercourse type would be made using one or more of the field base approaches and documented in the plan. Note that the watercourse must meet the definition specified under 14 CCR § 916.9[936.9, 956.9](g)(1). (Stated in two locations)**



That concludes my  
presentation...questions?

