

**YUROK TRIBE**  
CONSTRUCTION CORPORATION

Wes Scribner, CEO

Direct: (530) 356-1854

[wscribner.ytcc@gmail.com](mailto:wscribner.ytcc@gmail.com)

# PROCESSING MINING REMAINS FOR RESTORATION





# PROCESSING MINING REMAINS FOR RESTORATION

- The Plan**
- The Area**
- The Process**
- Chapman Ranch Phase B Experience**







# THE PLAN



# THE PLAN





## ❑ What are your material needs?

SUBSTRATE SIZE PARAMETERS FOR CONSTRUCTED RIFFLE, BAR, AND STRUCTURED LOG JAM FEATURES									
	PROJECT	TOTAL	SUBSTRATE SIZE PARAMETERS			UNSORTED	FISH ROCK	OVERSIZED ROCK	SKELETAL ROCK
	AREA	FILL	inches			Sand to 8 inch	5/8 to 5 inch	6 to 12 inch	12 to 24 inch
PROJECT AREA	Sq. Ft.	Cu. Yd.	Dmin	Dmax	D84	Cu. Yd.	Cu. Yd.	Cu. Yd.	Cu. Yd.
AREA IC-1 - RIFFLE									
 Medium Grain Coarse Sediment	10,300	1,100	5/8	12	6	0	660	440	0
AREA IC-4/SLJ-1 - MEDIAL BAR									
 Large Grain Coarse Sediment	17,500	3,700	Sand	24	10	780	510	1,480	930
 Medium Grain Coarse Sediment	23,000	4,100	Sand	12	6	1,150	1,720	1,230	0
AREA IC-3 - RIFFLE									
 Small Grain Coarse Sediment	8,690	200	5/8	5	4	0	200	0	0
AREA SLJ-2: No imported fill necessary for this Structured Log Jam feature. Large wood to be buried into new mainstem channel, right bank toe between Stations 38+00 and 44+50.									



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## Existing Supplies?

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## Future Needs?

**Are there upcoming projects that could benefit from the material processing?**





# THE AREA



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❑ What materials do you have to work with?

**Raw tailing piles**

**Presorted materials**

**Vegetation removal**



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- ❑ **What space do you have to work with?**

**Estimate your needed work and storage area...then double it.**

**Elevation is a consideration as well**





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- ❑ **Sensitivities to noise or dust?**

**Its loud and dusty! Think of the public and regulators.**



# THE PROCESS





# THE PROCESS

## ❑ Small Screens



### 60" Skeleton Bucket

Low Cost @ \$1500/ month

Good for selective excavation for large material

**Time consuming**



# THE PROCESS

## ❑ Basic Screens



### **The Grizzly**

- Can be fed with multiple machines**
- Low Cost @ \$3,000- \$5,000 / month**
- Can be adjusted, but not easily**
- Good for small quantities**



# THE PROCESS

## ❑ Power Screens

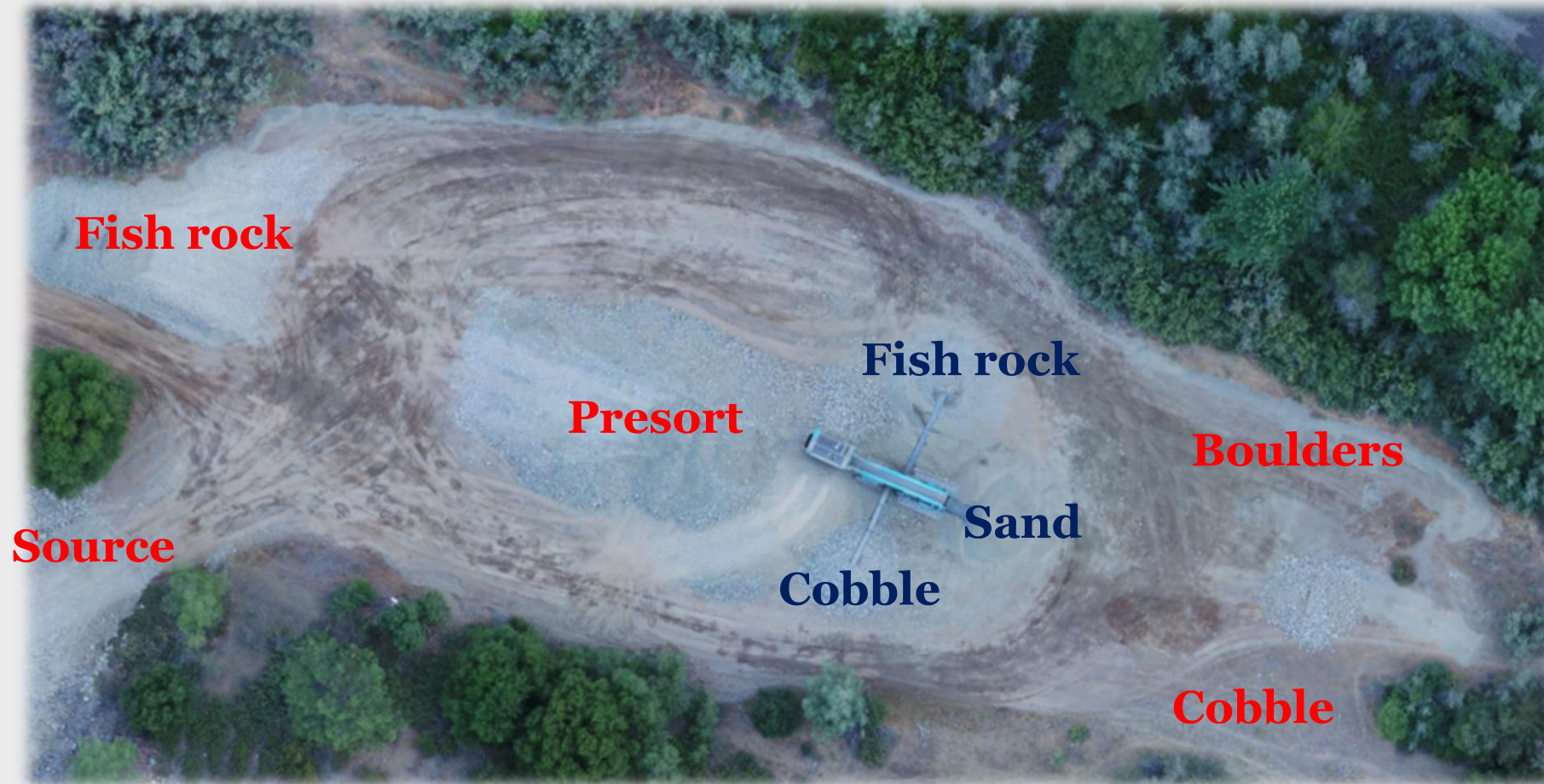


**Higher Cost @ \$15,000-\$20,000/ month**  
**On tracks and folds for transport**  
**Good for high production**  
**High maintenance**





# Chapman Ranch Phase B Processing Area



**1 Acre, 1 mo. of operation, 5,000 cubic yards of material processed**



# Chapman Ranch Phase B Processing Area



**Notice material ratios after initial hours of startup!**



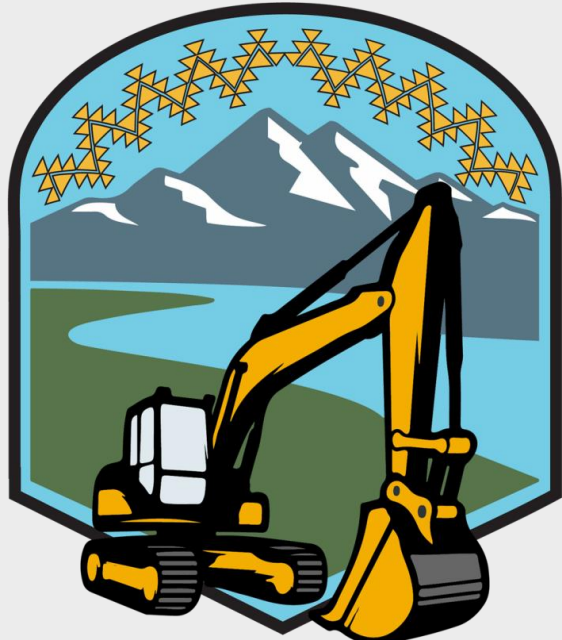


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**Questions**







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