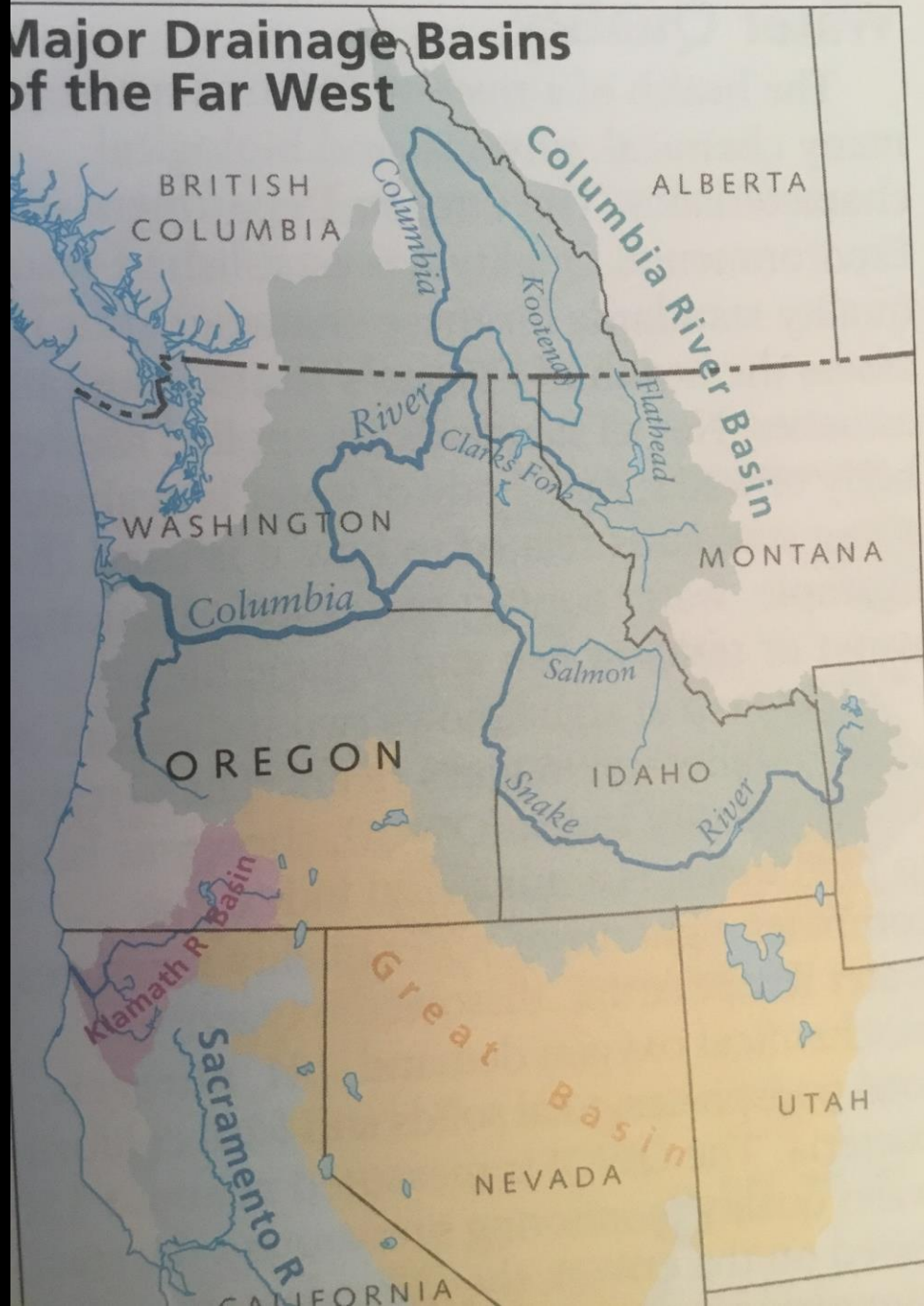


Major Drainage Basins of the Far West



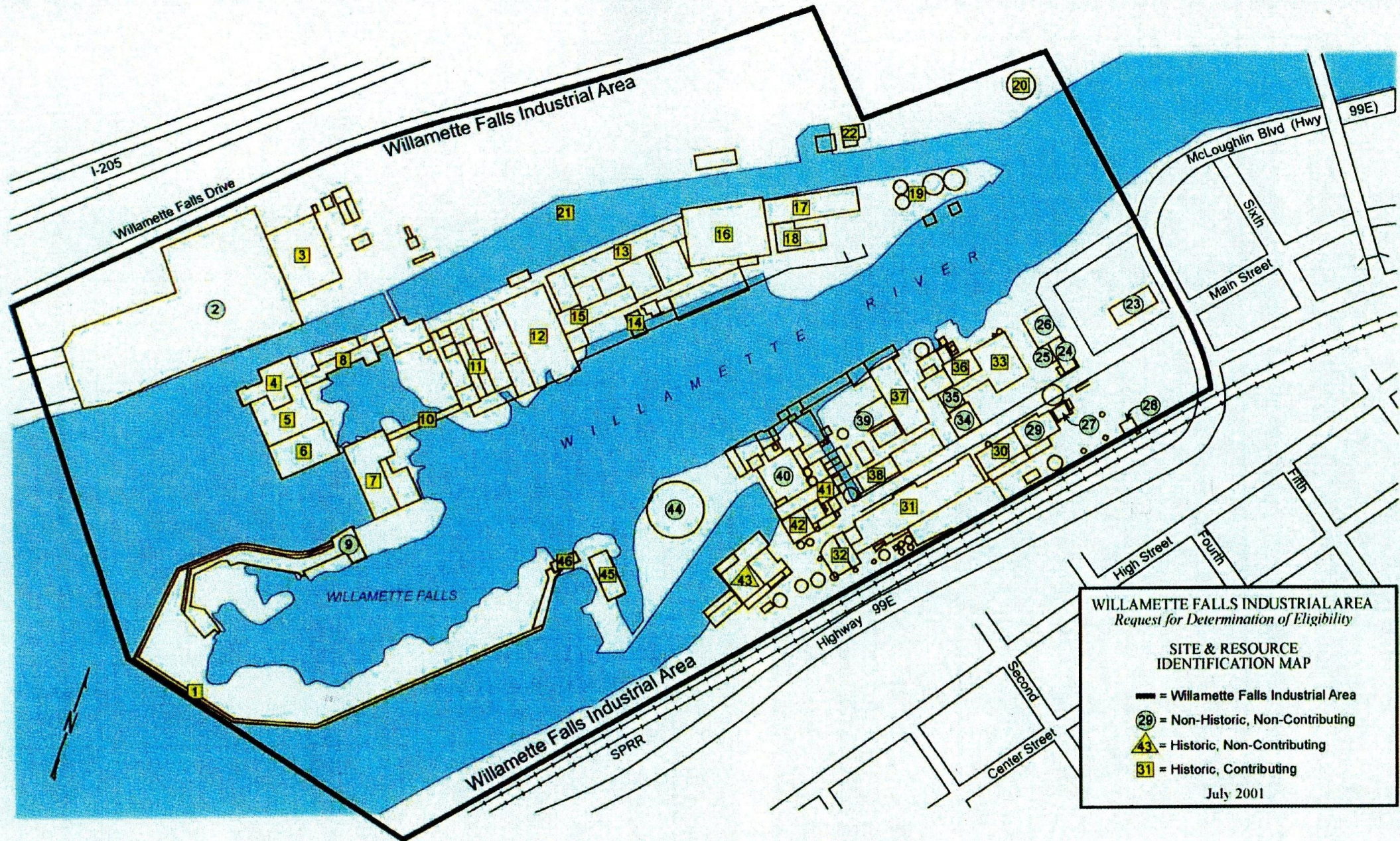
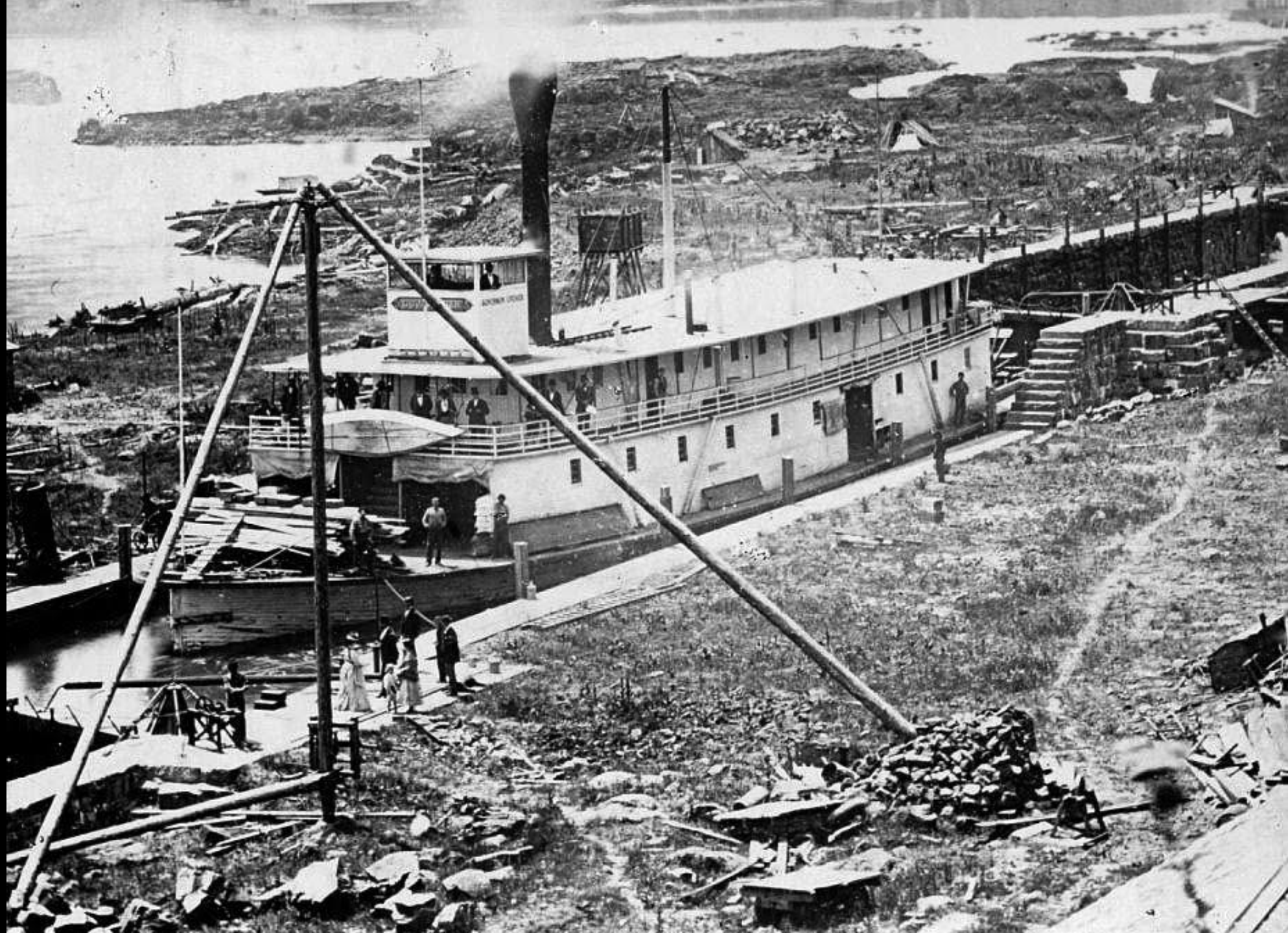


Figure 4. APE for historic resources.





Rafting through the Oregon City Locks.



**Spruce Goose Wings entering the
West Linn, Oregon Locks in 1993.**





Cargo Capacities Compared by Mode			
	BARGE	RAIL CAR	TRUCK TRAILER
Tons	1,500	100	25
Bushels	52,500	3,500	875
Gallons	453,600	30,240	7,560

Figure 3: Cargo Capacities Compared by Mode¹⁰

Emissions Compared by Mode (in pounds per 1 ton of cargo moved 1000 miles)			
	BARGE	RAIL CAR	TRUCK TRAILER
Hydrocarbons	0.09	0.46	0.63
Carbon Monoxide	0.2	0.64	1.9
Nitrous Oxide	0.53	1.83	10.17

Figure 4: Emissions Compared by Mode

Relative Energy Efficiencies (number of miles one ton can travel per gallon of fuel)		
BARGE	RAIL CAR	TRUCK TRAILER
514	202	59

Figure 5: Relative Energy Efficiencies

Comparison of Cargo in Pounds per Horsepower		
BARGE	RAIL CAR	TRUCK TRAILER
10,700	4,500	300

Figure 6: Comparison of Cargo in Pounds per Horsepower



PIPE LINE CROSSING

DUCHESS B

WEST LINN
CLUB

P.O.E. History Sign





