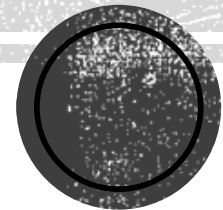


IMPORTS AND EXPORTS OF HARDWOOD LOGS A CURRENT PERSPECTIVE

Bill Luppold

NRS Forest Inventory and Analysis

Princeton, WV



ORGANIZATION OF TALK

- Log imports
- Three eras of globalization affecting log exports
- China
- Europe has changed
- Other potential areas of interest



SOURCE OF DATA

USDA

**Foreign Agricultural Service
Global Agricultural Trade System**

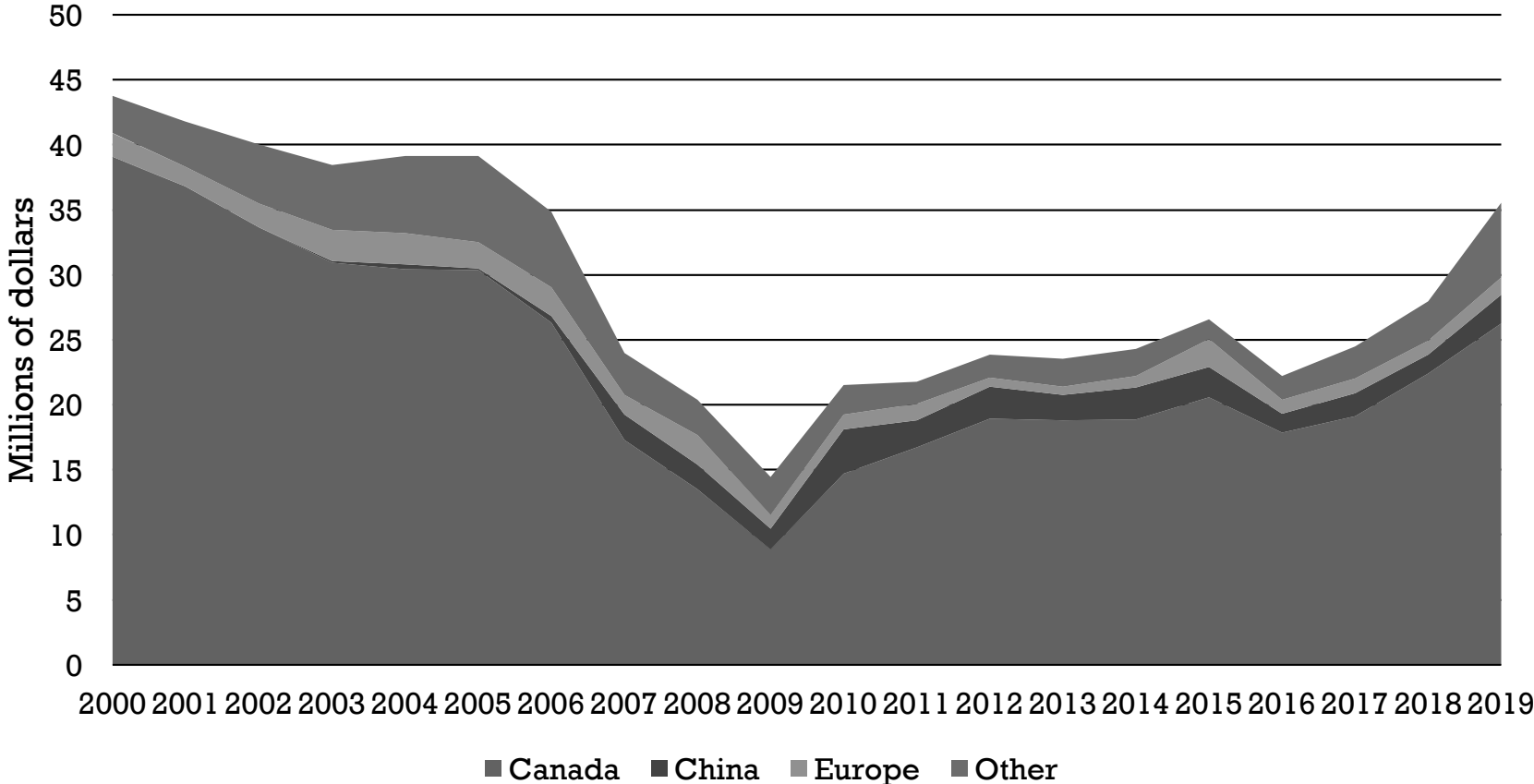
Just Google

FAS GATS

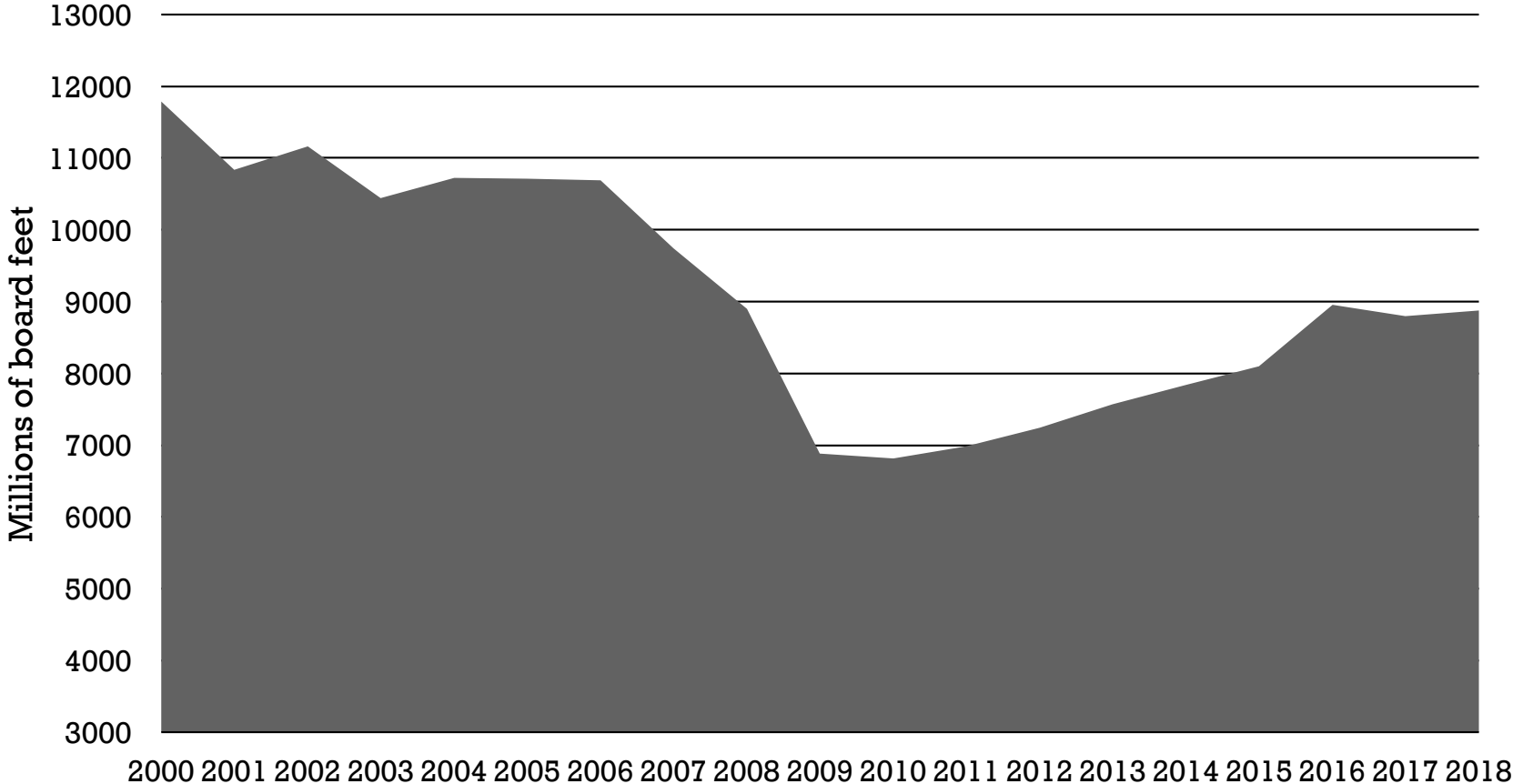
Luppold's # 304 431 2730



HARDWOOD LOG IMPORTS 2000 TO 2019



U.S. HARDWOOD LUMBER CONSUMPTION

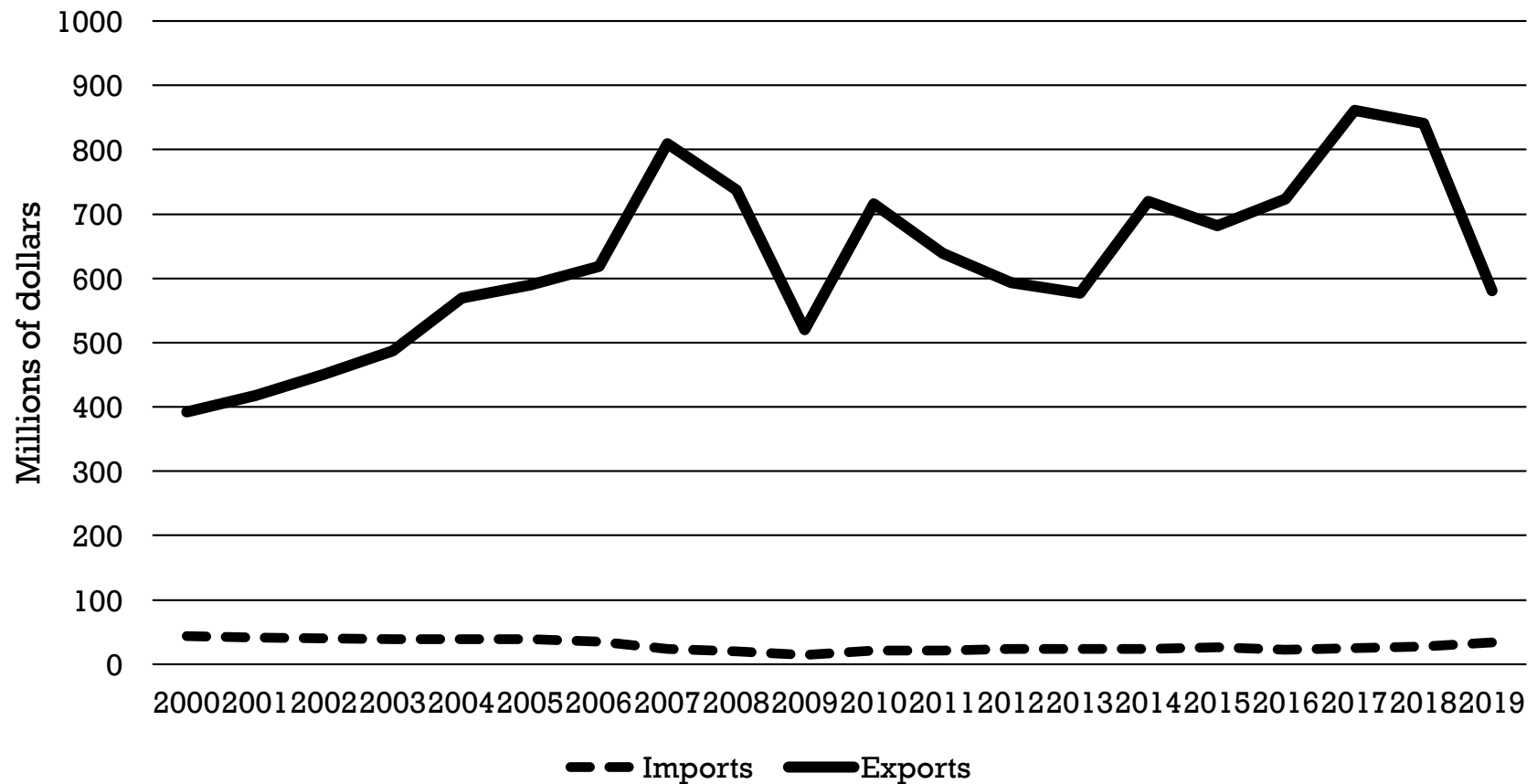


MAJOR COUNTRIES WE IMPORT LOGS FROM, SPECIES, AND PROPORTION 2009 & 2018

Country	Species	Proportion 2009	Proportion 2018
Canada	Maple	52%	35%
China	Paulownia	94%	91%
Europe	White oak	57%	82%



VALUE OF U.S. HARDWOOD LOG IMPORTS AND EXPORTS 2000 TO 2019



TREE ERAS OF GLOBALIZATION AFFECTING US LOG HARDWOOD EXPORTS

- Introduction of floating exchange rates
 - 1973 to late 1990s
- A period of global change
 - 2000 to 2009
- The growth of China
 - Post 2009 to today



VALUE OF LOG EXPORTS BY MAJOR MARKETS 1980, 1985, 1990, AND 1995

1980	1985	1990	1995
Germany 40%	Germany 32%	Japan 22%	Canada 35%
Canada 11%	Taiwan 17%	Germany 21%	Japan 18%
Italy 11%	Canada 12%	Taiwan 10%	Italy 8%
Japan 7%	Japan 9%	Italy 8%	Germany 7%

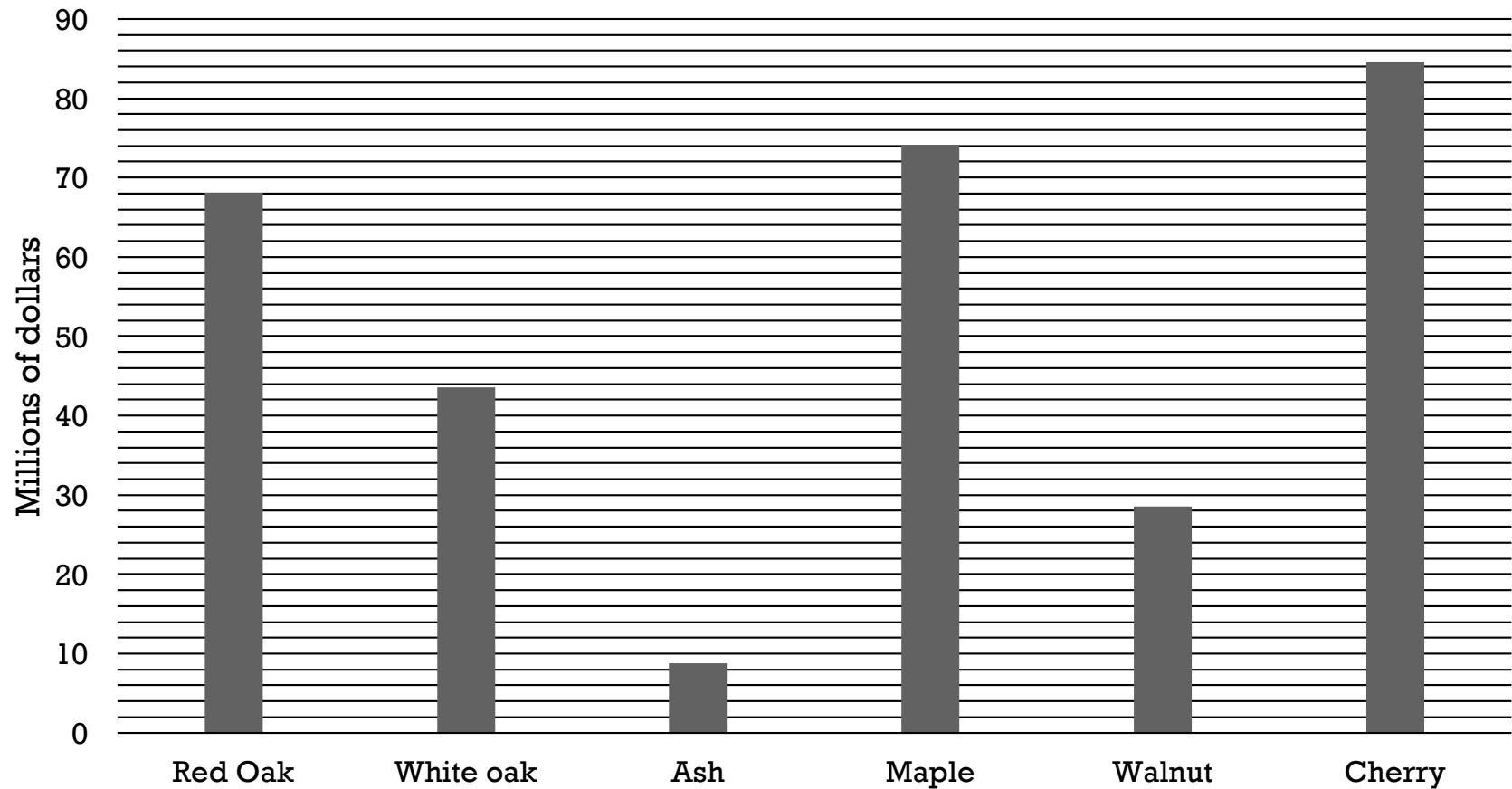


VALUE OF LOG EXPORTS FOR MAJOR SPECIES GROUPS 1980, 1985, 1990, AND 1995

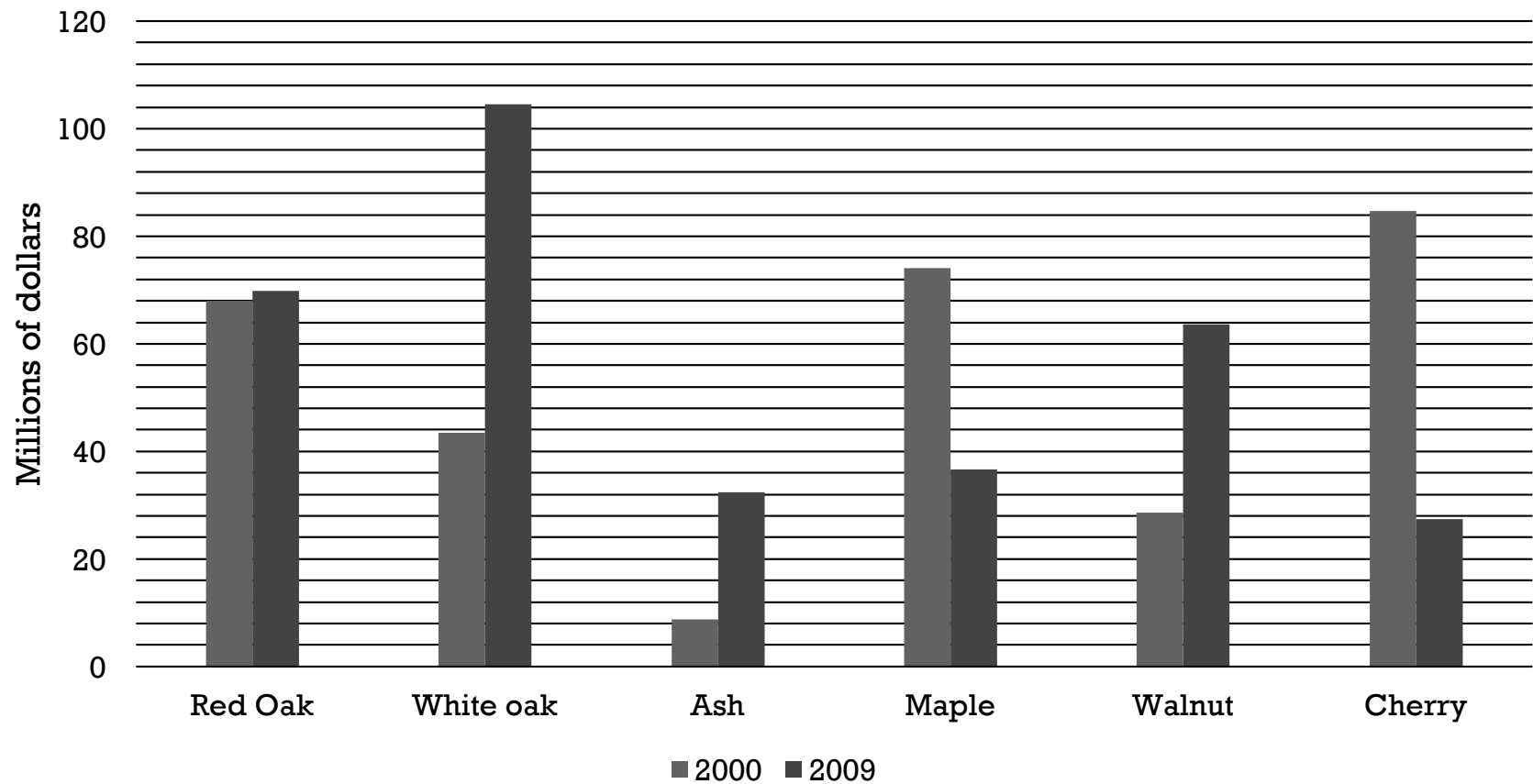
1980	1985	1990	1995
White Oak 41%	White Oak 33%	White Oak 30%	White Oak 25%
Other 25%	Red Oak 26%	Red Oak 20%	Red Oak 22%
Walnut 17%	Other 21%	Other 16%	Cherry 13%
Red Oak 11%	Walnut 12%	Walnut 11%	Maple 12%



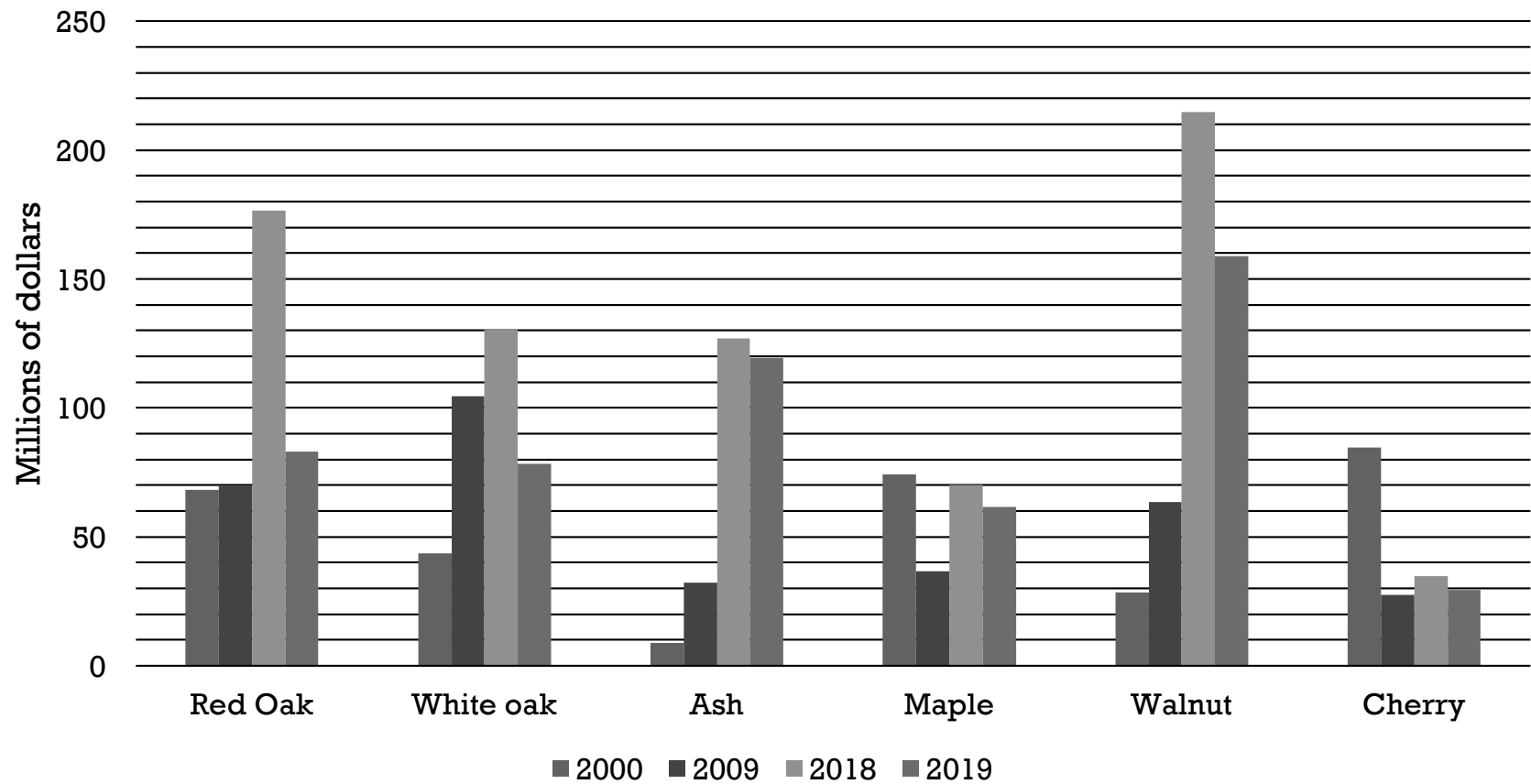
VALUE OF HARDWOOD LOG EXPORTS FOR SELECT SPECIES GROUPS 2000



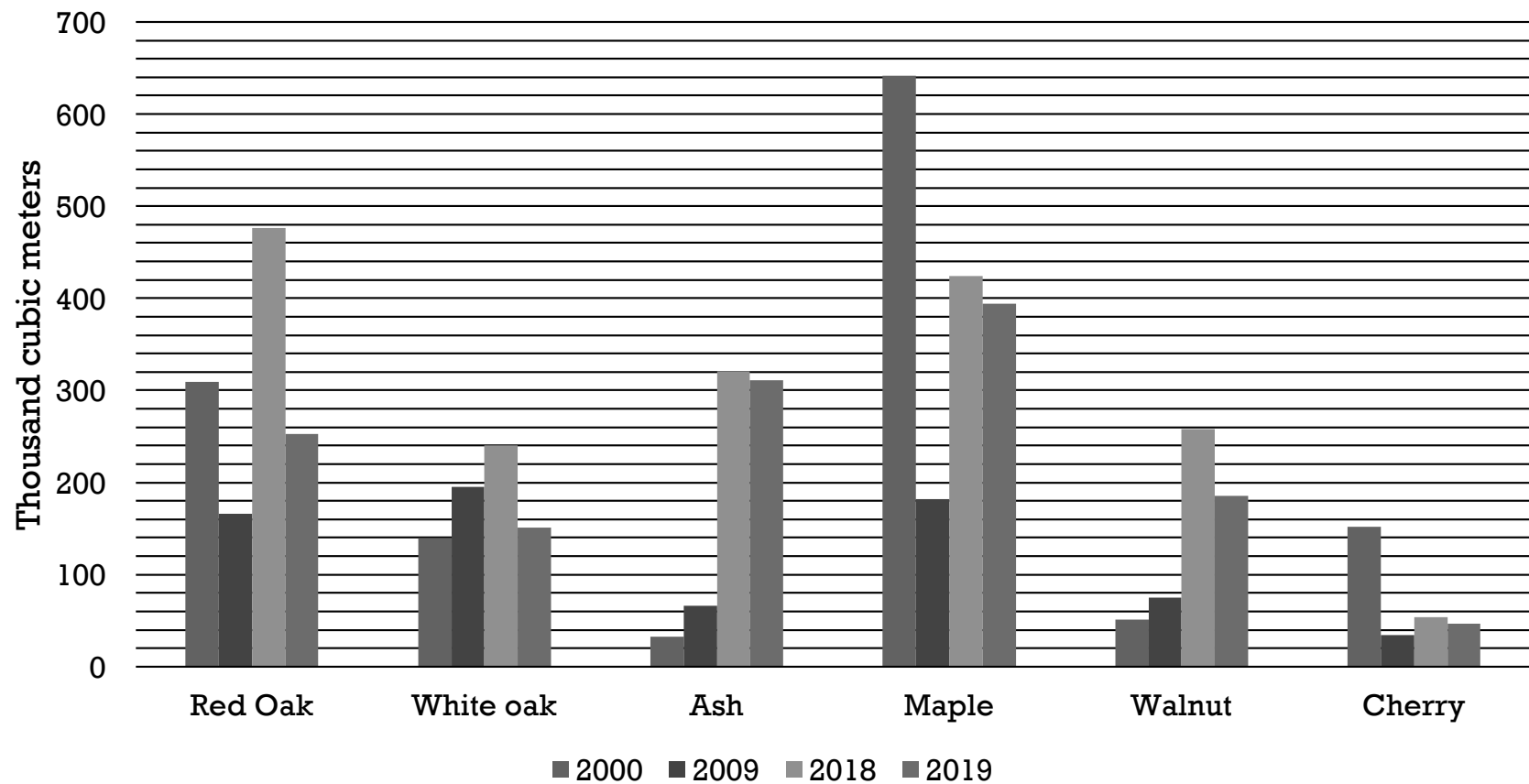
VALUE OF HARDWOOD LOG EXPORTS FOR SELECT SPECIES GROUPS 2000 AND 2009



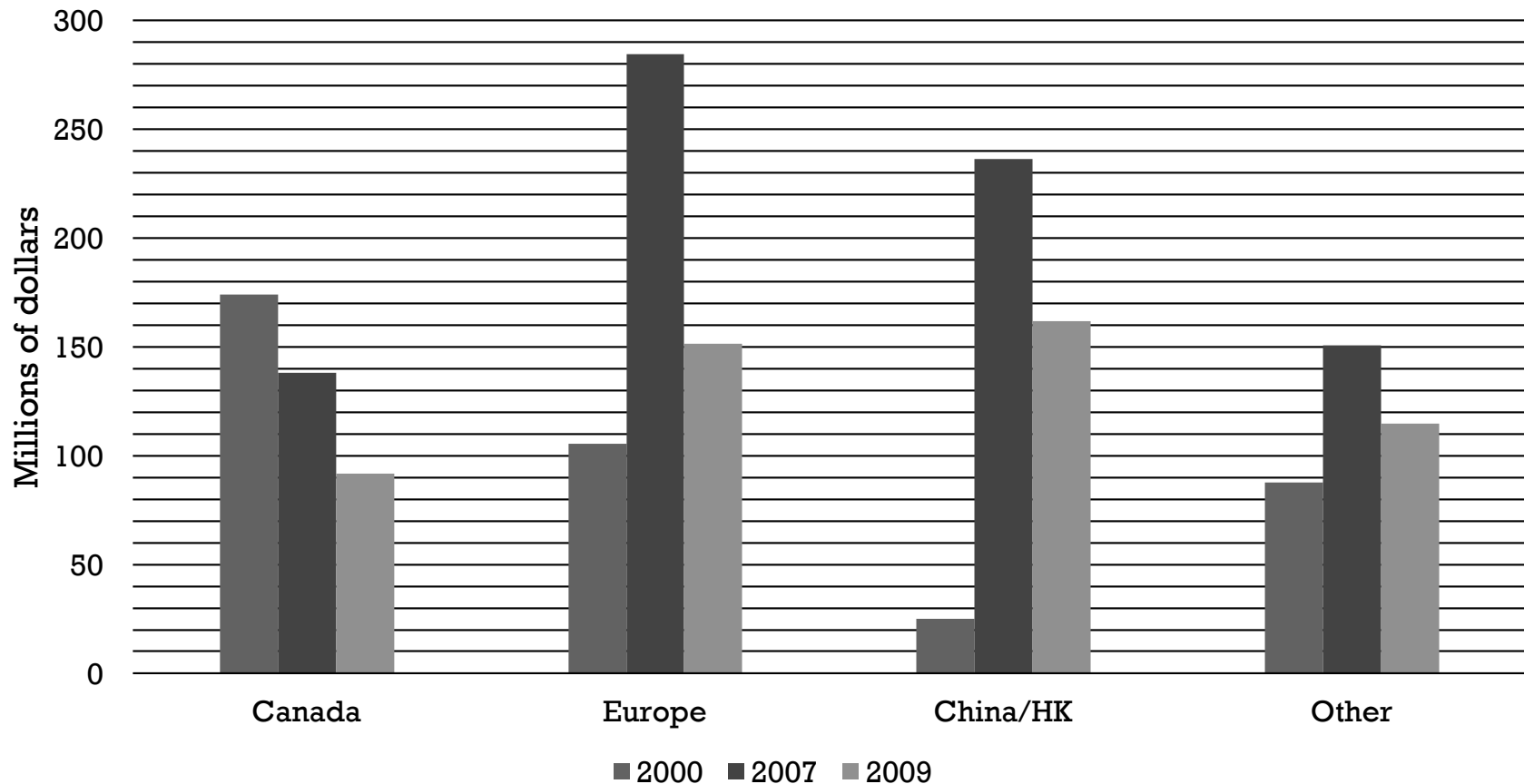
VALUE OF HARDWOOD LOG EXPORTS FOR SELECT SPECIES GROUPS 2000, 2009, 2018 AND 2019



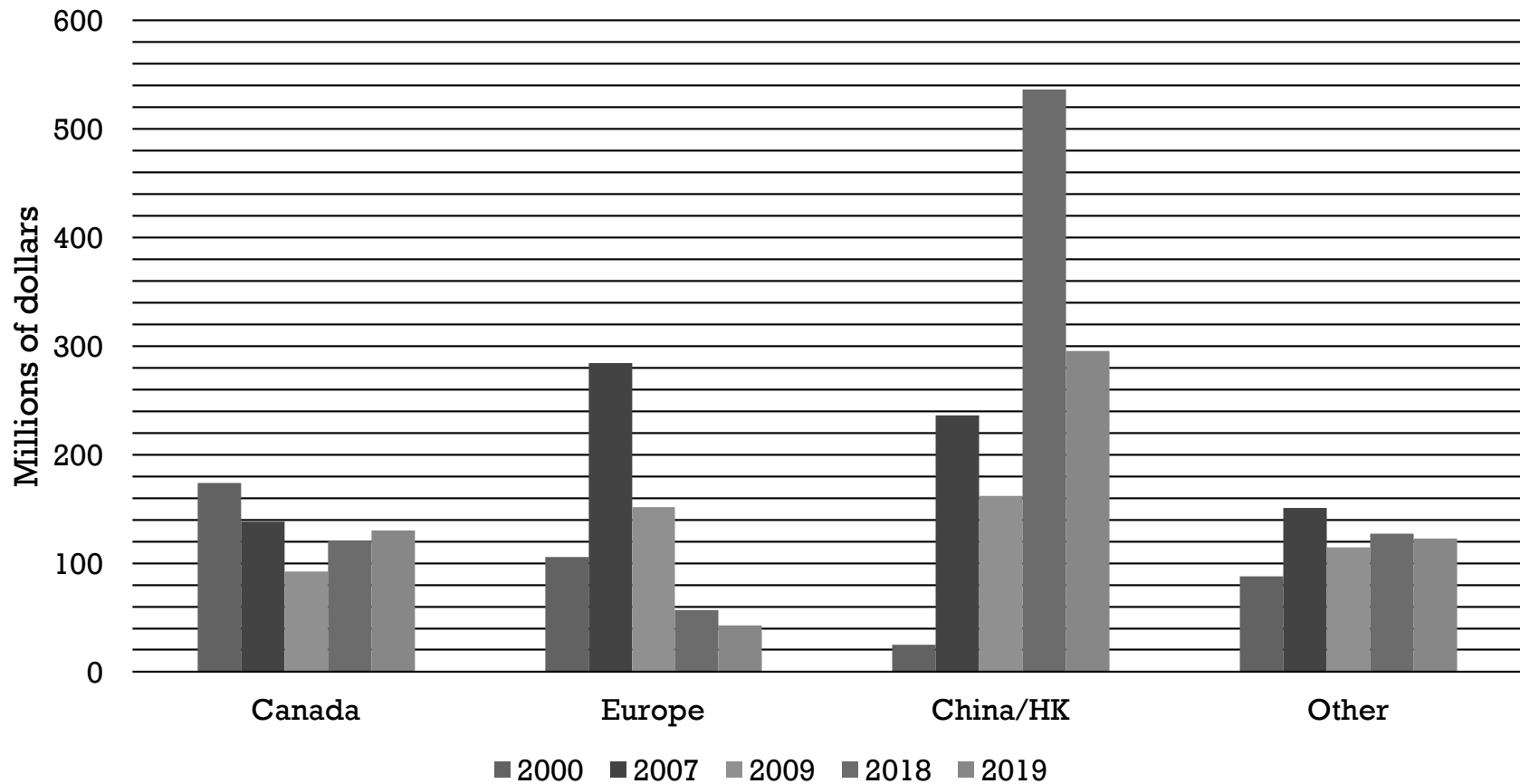
VOLUME OF HARDWOOD LOG EXPORTS FOR SELECT SPECIES GROUPS



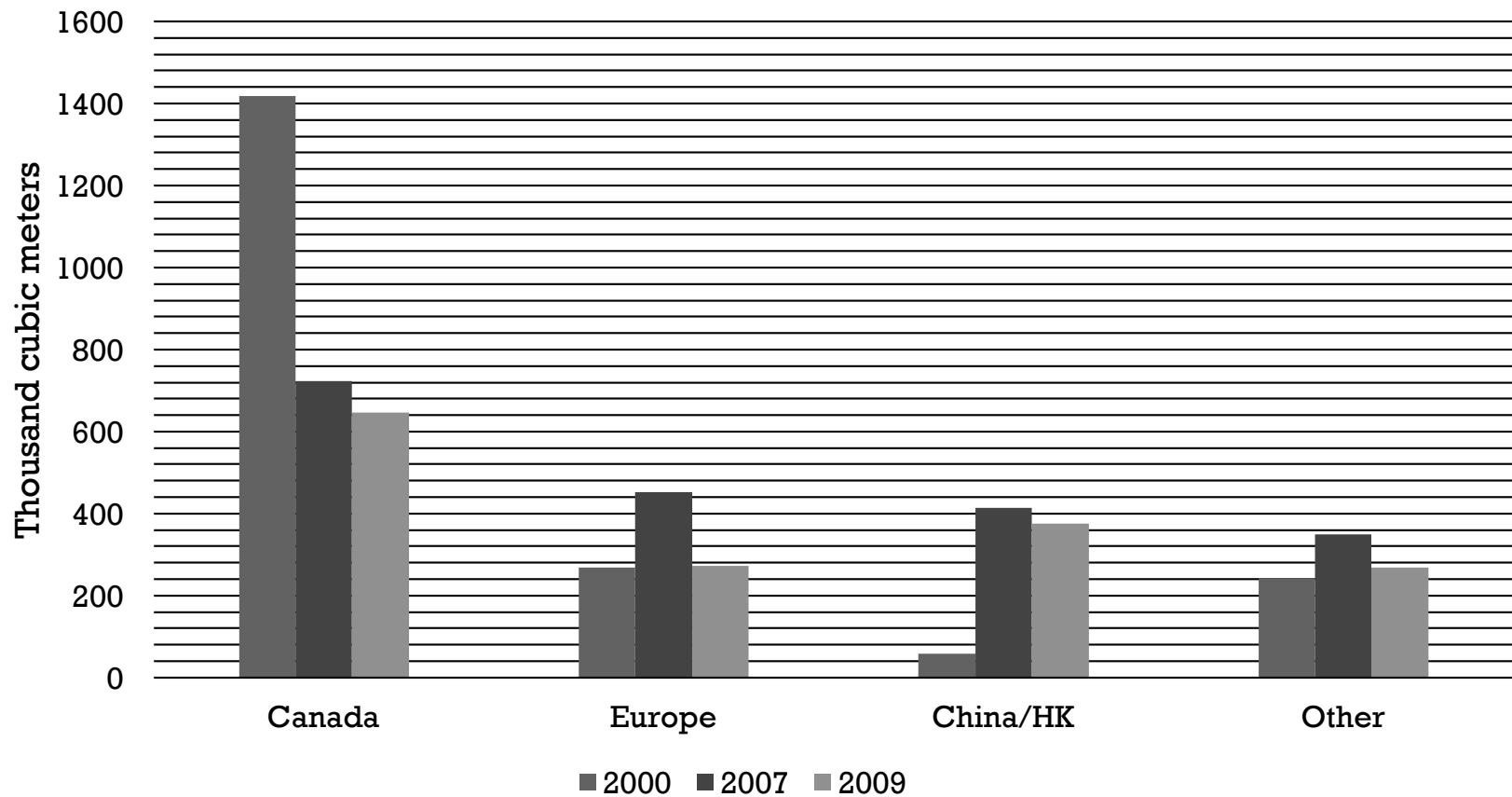
VALUE OF HARDWOOD LOG EXPORTS BY MAJOR DESTINATION 2000, 2007, AND 2009



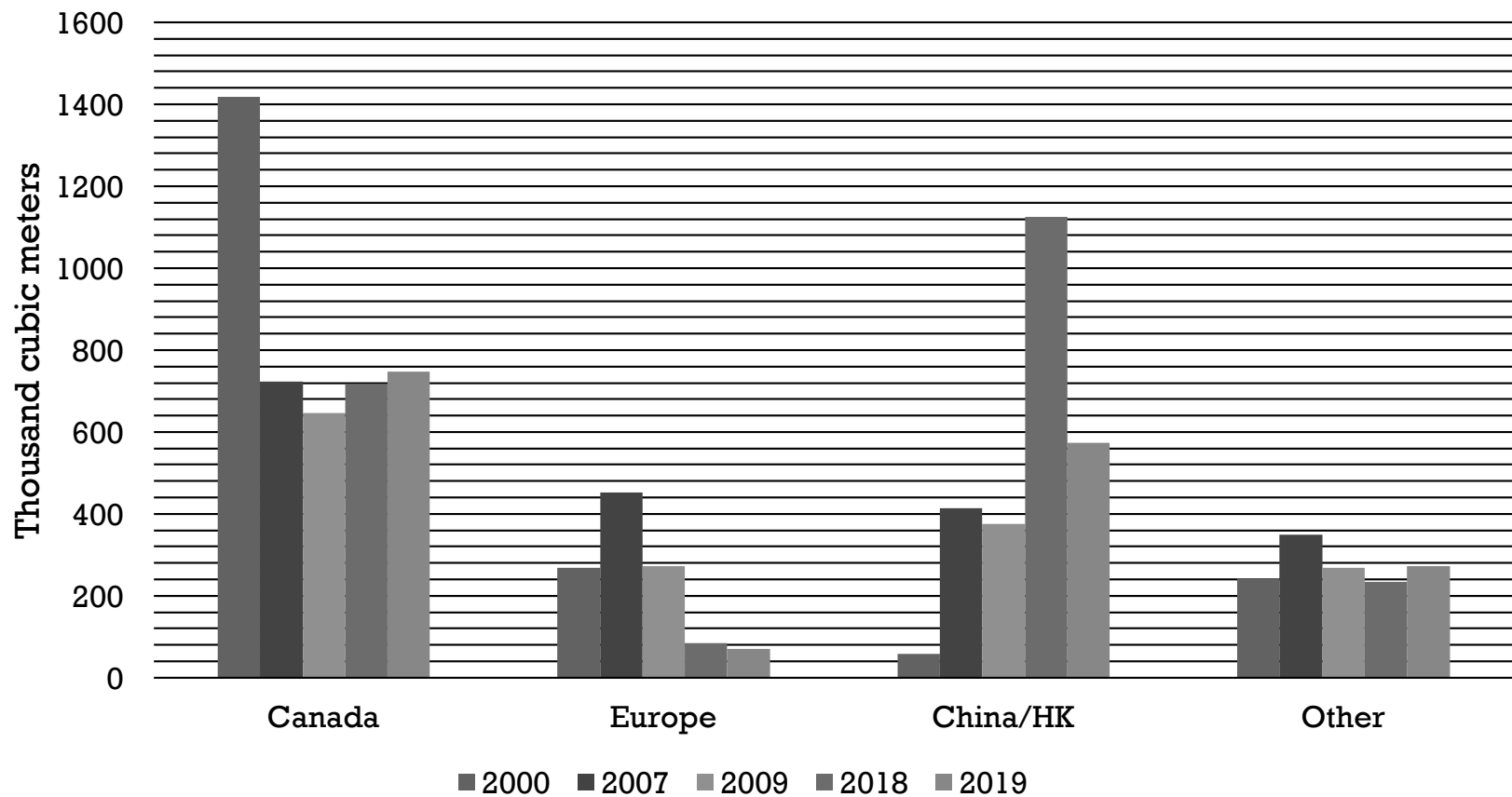
VALUE OF HARDWOOD LOG EXPORTS BY MAJOR DESTINATION 2000, 2007, 2009, 2018, 2019



VOLUME OF HARDWOOD LOG EXPORTS BY MAJOR DESTINATION 2000, 2007, AND 2009



VOLUME OF HARDWOOD LOG EXPORTS BY MAJOR DESTINATION 2000, 2007, 2009, 2018, AND 2019



THE RISE OF CHINA FOR MAJOR SPECIES GROUPS FOR VALUE

	2000	2005	2009	2018	2019
All logs	Canada 44%	Canada 34%	China 31%	China 64%	China 52%
Red oak	Canada 58%	Canada 42%	China 51%	China 68%	China 54%
White oak	Japan 38%	Spain 16%	China 26%	China 50%	China 39%
Walnut	Italy 22%	China 54%	China 37%	China 67 %	China 60 %

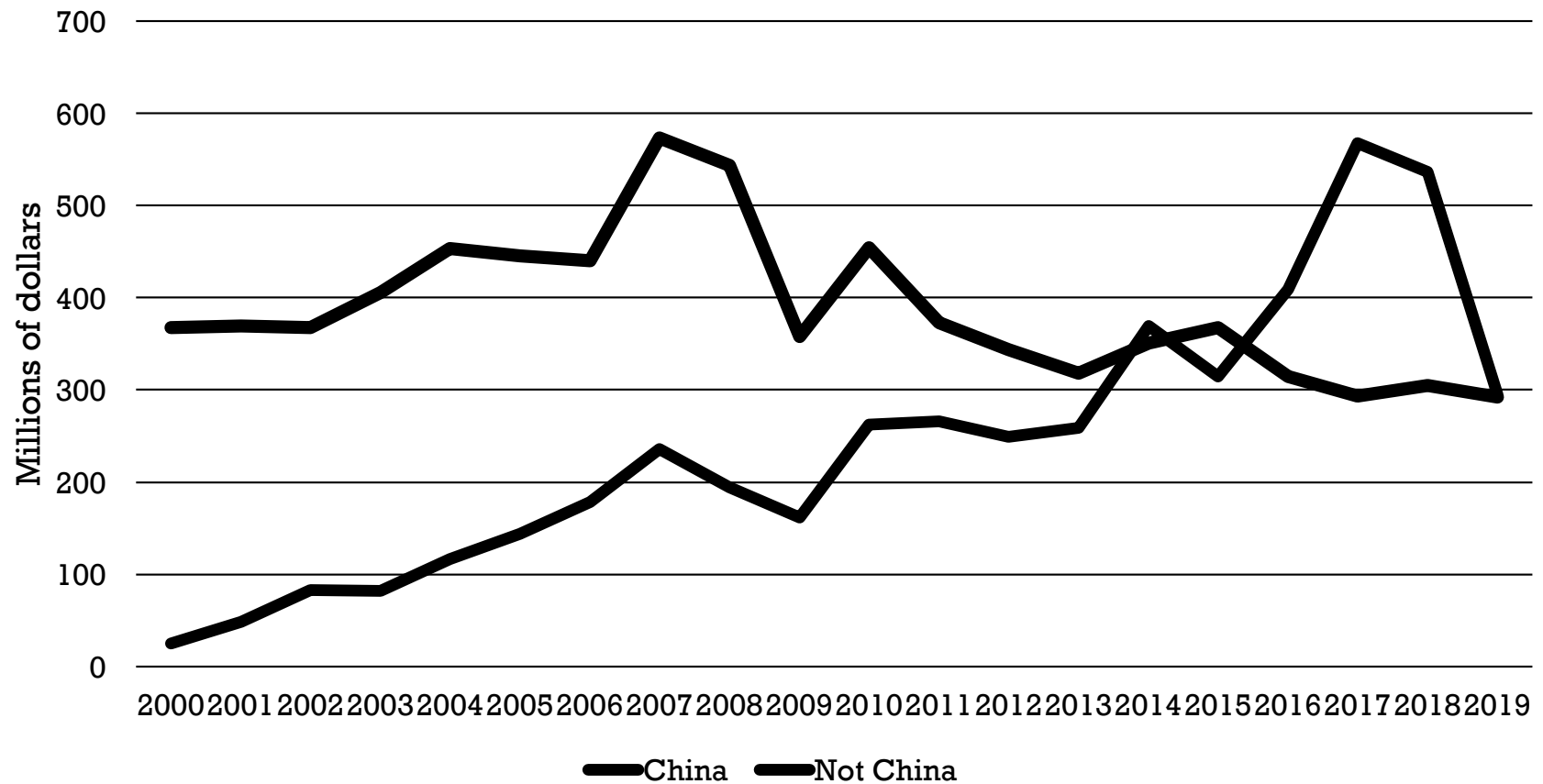


THE RISE OF CHINA FOR MAJOR SPECIES GROUPS BY VOLUME

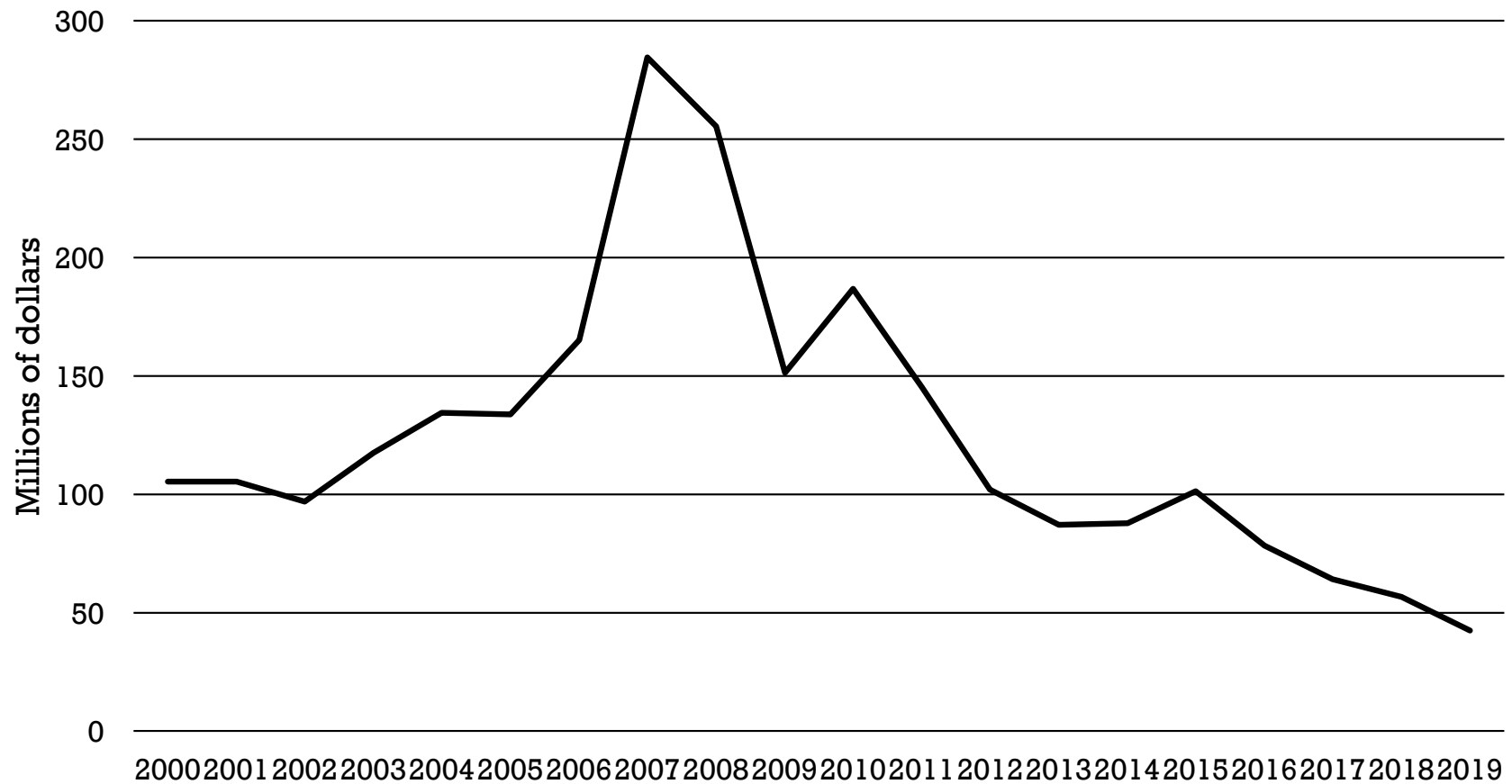
	2000	2005	2009	2018	2019
All logs	Canada 72%	Canada 68%	Canada 40%	China 52%	Canada 42%
Red oak	Canada 78%	Canada 71%	China 49%	China 60%	China 47%
White oak	Canada 46%	Canada 25%	China 31%	China 53%	China 36%
Walnut	Italy 33%	China 50%	China 43%	China 69%	China 62%



IS THERE ANY SPECIFIC YEAR THAT EXPORTS TO CHINA TOOK OFF?



VALUE OF LOG EXPORTS TO EUROPE 2000 TO 2019



EXPORTS TO EUROPE HAVE FLUCTUATED RELATIVE VALUE BY COUNTRY

2000	2005	2009	2014	2018
Germany 37%	Germany 31%	Italy 22%	Italy 23%	Italy 36%
Italy 12%	Italy 13%	UK 20%	UK 20%	Germany 20%
Spain 7%	Spain 11%	Germany 8%	Germany 9%	Portugal 13%
Portugal 7%	UK 11%	Portugal 8%	Portugal 9%	Spain 12%
France 4 %	Portugal 7%	Spain 7	Spain9%	UK 9%

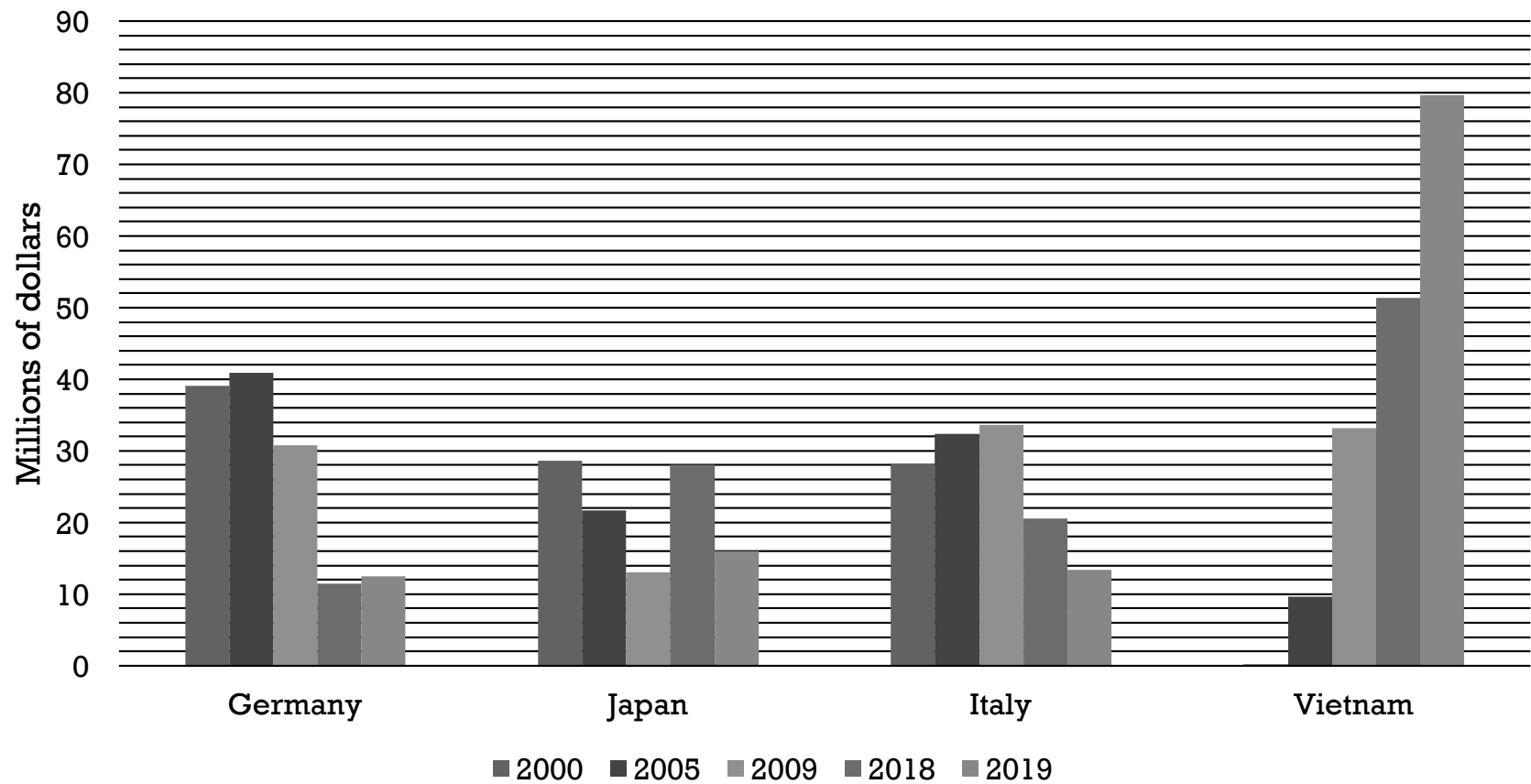


EXPORTS TO EUROPE HAVE CHANGED RELATIVE VALUE BY SPECIES

2000	2005	2009	2014	2018
Cherry 49%	White oak 33%	White oak 38%	White oak 38%	Walnut 45%
Walnut 13%	Cherry 29%	Other 28%	Walnut 25%	White oak 31%
Yellow-pop 10 %	Walnut 16%	Walnut 15%	Other 16%	Yellow-pop 23%
Maple 10%	Maple 7%	Ash 10%	Yellow-pop 6%	Other 5%
White oak 7%	Other 6%	Yellow-pop 6%	Ash 4%	Red Oak 2%



WHO IS NUMBER 3?



EXPORT VALUE OF HARDWOOD LUMBER & LOGS VERSUS SOFTWOOD LUMBER & LOGS

