

Disposition of HWP carbon using the IPCC production accounting approach. This table shows the fate of all carbon removed from the ecosystem by harvesting. (MT = metric ton = MgC)

Inventory year	Emitted with energy capture^a (MT CO₂e)	Emitted with energy capture change	Emitted without energy capture^a (MT CO₂e)	Emitted without energy capture change	Products in use (MT C)	Products in use change	SWDS (MT C)	SWDS change	TOTAL remaining in HWP Pool^b (MT C)	TOTAL change
1907	61	61	3	3	28	28	0	0	28	28
1908	2,761	2,700	119	116	1,257	1,229	2	2	1,258	1,230
1909	19,002	16,241	919	800	8,567	7,310	75	74	8,642	7,384
1910	31,967	12,965	2,260	1,341	13,836	5,269	570	495	14,406	5,764
1911	43,642	11,675	4,081	1,821	18,172	4,336	1,315	745	19,487	5,081
1912	54,076	10,434	6,319	2,238	21,692	3,520	2,214	898	23,905	4,419
1913	66,765	12,689	9,059	2,740	26,068	4,376	3,193	980	29,261	5,355
1914	84,039	17,274	12,483	3,424	32,304	6,236	4,292	1,099	36,596	7,335
1915	107,109	23,070	16,820	4,337	40,822	8,518	5,606	1,314	46,427	9,832
1916	128,694	21,586	21,992	5,172	48,152	7,330	7,242	1,636	55,394	8,966
1917	147,701	19,007	27,872	5,879	53,918	5,766	9,090	1,848	63,007	7,614
1918	169,212	21,511	34,544	6,673	60,576	6,659	11,025	1,935	71,601	8,594
1919	183,586	14,374	41,688	7,144	63,671	3,095	13,087	2,062	76,758	5,156
1920	198,429	14,843	49,305	7,616	66,953	3,281	15,052	1,965	82,005	5,247
1921	213,302	14,873	57,376	8,071	70,193	3,240	16,942	1,890	87,135	5,130
1922	226,522	13,220	65,815	8,440	72,618	2,425	18,770	1,828	91,389	4,254
1923	241,425	14,903	74,679	8,864	75,805	3,186	20,501	1,731	96,306	4,917
1924	256,025	14,599	83,940	9,261	78,777	2,972	22,194	1,693	100,970	4,665
1925	272,640	16,616	93,669	9,730	82,605	3,828	23,845	1,652	106,450	5,480
1926	290,131	17,491	103,891	10,222	86,699	4,094	25,513	1,668	112,212	5,762
1927	304,527	14,396	114,463	10,572	89,231	2,532	27,212	1,699	116,444	4,232
1928	318,573	14,046	125,357	10,894	91,576	2,344	28,848	1,636	120,424	3,980
1929	335,378	16,804	136,679	11,321	95,157	3,581	30,415	1,567	125,572	5,148
1930	350,019	14,642	148,325	11,646	97,630	2,473	31,997	1,582	129,627	4,055
1931	362,055	12,036	160,175	11,851	98,880	1,250	33,529	1,532	132,408	2,782
1932	371,154	9,099	172,098	11,922	98,843	-36	34,944	1,415	133,787	1,379
1933	375,386	4,232	183,878	11,781	96,727	-2,117	36,180	1,237	132,907	-880

1934	377,843	2,457	195,438	11,560	94,080	-2,647	37,140	960	131,220	-1,687
1935	384,637	6,794	206,959	11,521	93,700	-379	37,829	689	131,529	309
1936	393,413	8,776	218,523	11,564	94,316	615	38,418	589	132,733	1,204
1937	405,863	12,450	230,287	11,763	96,614	2,299	38,984	566	135,598	2,865
1938	417,550	11,687	242,216	11,930	98,445	1,831	39,628	644	138,073	2,475
1939	429,668	12,118	254,329	12,113	100,399	1,954	40,312	684	140,711	2,638
1940	437,938	8,270	266,462	12,132	100,522	124	41,033	721	141,556	844
1941	454,192	16,254	279,103	12,641	104,354	3,832	41,675	642	146,030	4,474
1942	472,643	18,452	292,172	13,069	108,968	4,613	42,427	752	151,395	5,365
1943	490,504	17,861	305,636	13,464	113,050	4,082	43,358	931	156,408	5,013
1944	510,489	19,985	319,578	13,943	117,899	4,849	44,411	1,053	162,310	5,902
1945	542,222	31,733	334,502	14,924	127,858	9,959	45,611	1,199	173,469	11,159
1946	575,605	33,382	350,459	15,957	137,950	10,092	47,232	1,622	185,183	11,714
1947	592,415	16,810	366,702	16,244	139,904	1,954	49,233	2,000	189,137	3,954
1948	636,840	44,425	384,424	17,721	154,525	14,621	51,083	1,850	205,608	16,471
1949	676,265	39,425	403,373	18,949	165,959	11,434	53,524	2,442	219,483	13,875
1950	728,402	52,137	424,074	20,701	182,591	16,632	56,315	2,791	238,906	19,423
1951	768,672	40,269	445,966	21,892	192,852	10,261	59,700	3,384	252,552	13,646
1952	806,203	37,531	468,834	22,868	201,453	8,601	63,251	3,551	264,704	12,152
1953	871,090	64,887	493,870	25,036	222,224	20,771	66,839	3,589	289,064	24,360
1954	925,245	54,156	520,570	26,700	236,855	14,631	71,192	4,353	308,047	18,983
1955	976,182	50,937	548,736	28,166	249,325	12,470	75,890	4,698	325,214	17,168
1956	1,030,237	54,055	578,414	29,677	262,756	13,431	80,746	4,857	343,502	18,287
1957	1,097,224	66,987	610,104	31,690	281,571	18,816	85,771	5,024	367,342	23,840
1958	1,169,488	72,264	644,038	33,934	301,832	20,261	91,251	5,481	393,083	25,742
1959	1,221,161	51,673	679,244	35,206	311,690	9,858	97,263	6,012	408,953	15,870
1960	1,312,774	91,613	717,387	38,143	339,615	27,925	103,131	5,867	442,746	33,793
1961	1,390,771	77,997	758,475	41,088	359,787	20,171	109,891	6,760	469,678	26,932
1962	1,451,459	60,687	801,475	43,000	372,032	12,246	115,883	5,992	487,915	18,238
1963	1,502,625	51,166	845,724	44,249	379,622	7,590	121,746	5,863	501,368	13,453
1964	1,616,245	113,621	893,839	48,114	415,682	36,059	127,286	5,540	542,968	41,600
1965	1,751,317	135,071	946,516	52,677	459,440	43,758	134,141	6,855	593,582	50,614
1966	1,871,541	120,224	1,003,017	56,501	494,020	34,580	142,433	8,292	636,453	42,872

1967	1,955,519	83,979	1,061,571	58,554	510,532	16,512	151,472	9,039	662,004	25,551
1968	2,068,056	112,537	1,123,428	61,857	539,783	29,251	160,196	8,724	699,979	37,975
1969	2,218,756	150,700	1,190,051	66,623	585,153	45,369	169,488	9,292	754,641	54,662
1970	2,312,733	93,977	1,258,666	68,616	602,364	17,211	180,098	10,611	782,462	27,821
1971	2,417,358	104,625	1,318,672	60,006	624,348	21,984	190,229	10,131	814,577	32,115
1972	2,483,324	65,967	1,379,485	60,813	627,887	3,539	203,576	13,347	831,463	16,886
1973	2,561,227	77,903	1,441,308	61,822	637,692	9,805	215,840	12,265	853,533	22,070
1974	2,595,264	34,037	1,502,622	61,315	627,725	-9,967	227,579	11,739	855,305	1,772
1975	2,647,470	52,207	1,563,955	61,333	627,616	-109	237,562	9,983	865,178	9,873
1976	2,680,163	32,693	1,624,606	60,650	619,206	-8,411	246,788	9,226	865,994	815
1977	2,695,967	15,804	1,684,023	59,417	604,283	-14,923	254,828	8,040	859,111	-6,883
1978	2,714,033	18,065	1,742,410	58,387	594,758	-9,525	261,449	6,621	856,207	-2,904
1979	2,752,466	38,433	1,800,560	58,150	598,712	3,954	267,193	5,744	865,905	9,698
1980	2,789,499	37,034	1,858,451	57,891	601,844	3,132	272,991	5,798	874,835	8,930
1981	2,823,014	33,514	1,906,785	48,334	602,449	605	278,699	5,708	881,147	6,312
1982	2,851,186	28,173	1,954,323	47,537	600,474	-1,975	286,610	7,912	887,084	5,936
1983	2,890,295	39,109	2,001,264	46,941	605,255	4,781	294,290	7,680	899,545	12,461
1984	3,070,953	180,658	2,049,022	47,759	658,282	53,027	302,302	8,012	960,584	61,039
1985	3,206,538	135,585	2,097,390	48,368	691,261	32,980	314,144	11,842	1,005,405	44,822
1986	3,305,293	98,755	2,146,508	49,118	712,803	21,542	327,577	13,433	1,040,381	34,975
1987	3,401,640	96,347	2,196,452	49,944	733,736	20,933	341,570	13,992	1,075,306	34,926
1988	3,516,447	114,808	2,247,463	51,011	764,479	30,742	356,066	14,496	1,120,545	45,238
1989	3,584,172	67,725	2,298,941	51,479	771,783	7,305	371,739	15,673	1,143,522	22,978
1990	3,689,680	105,508	2,351,389	52,448	797,592	25,809	386,758	15,019	1,184,350	40,828
1991	3,779,109	89,429	2,414,895	63,506	817,245	19,652	402,724	15,966	1,219,969	35,619
1992	3,844,577	65,468	2,479,400	64,505	826,192	8,947	414,372	11,648	1,240,564	20,595
1993	3,887,685	43,108	2,543,826	64,426	823,887	-2,305	425,863	11,491	1,249,750	9,186
1994	3,935,868	48,183	2,607,833	64,007	823,891	5	436,684	10,821	1,260,575	10,825
1995	3,988,456	52,588	2,671,275	63,442	827,461	3,570	447,160	10,477	1,274,622	14,047
1996	4,028,710	40,254	2,733,476	62,201	822,424	-5,038	457,589	10,428	1,280,012	5,390
1997	4,068,753	40,043	2,794,329	60,853	817,502	-4,922	467,471	9,883	1,284,973	4,961
1998	4,099,567	30,814	2,853,484	59,155	808,036	-9,465	476,978	9,507	1,285,014	42
1999	4,112,589	13,021	2,910,535	57,052	792,349	-15,688	485,917	8,939	1,278,265	-6,749

2000	4,158,775	46,187	2,966,337	55,802	793,092	744	494,028	8,111	1,287,120	8,855
2001	4,182,880	24,104	3,023,248	56,911	782,947	-10,145	502,429	8,401	1,285,376	-1,745
2002	4,206,749	23,869	3,079,036	55,788	772,910	-10,037	508,634	6,205	1,281,544	-3,832
2003	4,238,710	31,961	3,133,199	54,163	767,947	-4,963	514,397	5,763	1,282,344	800
2004	4,290,848	52,138	3,187,631	54,432	772,645	4,699	520,405	6,008	1,293,051	10,707
2005	4,319,310	28,462	3,240,990	53,359	765,981	-6,665	526,663	6,258	1,292,644	-407
2006	4,361,955	42,645	3,293,823	52,833	765,818	-163	532,601	5,937	1,298,418	5,774
2007	4,398,395	36,440	3,345,734	51,911	760,522	-5,296	538,724	6,123	1,299,246	827
2008	4,436,897	38,502	3,396,772	51,038	755,739	-4,783	544,699	5,975	1,300,437	1,192
2009	4,481,681	44,784	3,446,851	50,080	750,976	-4,763	550,646	5,948	1,301,622	1,185
2010	4,549,580	67,900	3,496,239	49,388	750,707	-269	556,571	5,924	1,307,278	5,656
2011	4,602,039	52,459	3,544,827	48,588	748,810	-1,897	562,733	6,162	1,311,543	4,265
2012	4,676,088	74,049	3,593,271	48,444	755,985	7,175	568,989	6,256	1,324,973	13,431
2013	4,729,993	53,905	3,641,138	47,867	757,451	1,467	575,865	6,876	1,333,316	8,343
2014	4,765,291	35,298	3,688,098	46,960	752,029	-5,422	582,875	7,010	1,334,904	1,588
2015	4,804,412	39,121	3,734,313	46,215	748,307	-3,722	589,721	6,847	1,338,029	3,125
2016	4,860,635	56,223	3,780,187	45,874	750,978	2,671	596,605	6,883	1,347,583	9,554
2017	4,902,174	41,539	3,825,349	45,162	748,058	-2,920	603,860	7,256	1,351,918	4,335
2018	4,938,263	36,090	3,869,773	44,424	743,304	-4,753	611,076	7,215	1,354,380	2,462
2019	4,989,029	50,766	3,913,853	44,080	744,129	825	618,225	7,149	1,362,354	7,974

^aCumulative

^bSum of Products in use and SWDS