Allocation Pages in SQL Server

Page Name	1st Page number in File	Page type	Description
PFS (Page Free Space)	1	11	A PFS interval is 8088 pages, or about 64MB. One byte for each page in the PFS interval (not including itself). bits 0-2: how much free space is on the page 0x00 is empty 0x01 is 1 to 50% full 0x02 is 51 to 80% full 0x03 is 81 to 95% full 0x04 is 96 to 100% full bit 3 (0x08): is there one or more ghost records on the page? bit 4 (0x10): is the page an IAM page? bit 5 (0x20): is the page a mixed-page? bit 6 (0x40): is the page allocated? bit 7 is unused
GAM (Global Allocation Map)	2	8	One page tracks one GAM interval—64k extent or almost 4Gb bit = 1: the extent is available for allocation (you could think of it as currently allocated to the GAM page) bit = 0: the extent is already allocated for use
SGAM (Shared Global Allocation Map)	3	9	Tracks same 4GB space as GAM but semantics of the bits are different: bit = 1: the extent is a mixed extent and may have at least one unallocated page available for use (it's an optimistic update algorithm) bit = 0: the extent is either dedicated or is a mixed extent with no unallocated pages (essentially the same situation given that the SGAM is used to find mixed extents with unallocated pages)
IAM(Index Allocation Map)		10	Per entity. Tracks approximately 4GB worth of space in a single file, aligned on a 4GB boundary. These 4GB chunks are called 'GAM intervals'. An IAM page tracks which extents within that specific GAM interval belongs to a single entity with in a single file.
DIFF (Differential)	6	16	bit = 1: the extent has been changed since the last full backup bit = 0: the extent was not changed
ML (Minimally Logged)	7	17	bit = 1: the extent has been changed by a minimally logged operation since the last transaction log backup bit = 0: the extent was not changed

Reference:

http://www.sqlskills.com/blogs/paul/inside-the-storage-engine-gam-sgam-pfs-and-other-allocation-maps/http://www.sqlskills.com/blogs/paul/inside-the-storage-engine-iam-pages-iam-chains-and-allocation-units/