Document how get_recovery_priority() and get_backfill_priority() impacts recovery order

Description
Describe the get_recovery_priority() and get_backfill_priority() as it relates to these constants:

#define OSD_RECOVERY_PRIORITY_MIN 0

/// base backfill priority for MBackfillReserve
#define OSD_BACKFILL_PRIORITY_BASE 100

/// base backfill priority for MBackfillReserve (degraded PG)
#define OSD_BACKFILL_DEGRADED_PRIORITY_BASE 140

/// base recovery priority for MBackfillReserve
#define OSD_RECOVERY_PRIORITY_BASE 180

/// base backfill priority for MBackfillReserve (inactive PG)
#define OSD_BACKFILL_INACTIVE_PRIORITY_BASE 220

/// max manually/automatically set recovery priority for MBackfillReserve
#define OSD_RECOVERY_PRIORITY_MAX 253

/// backfill priority for MBackfillReserve, when forced manually
#define OSD_BACKFILL_PRIORITY_FORCED 254

/// recovery priority for MRecoveryReserve, when forced manually
#define OSD_RECOVERY_PRIORITY_FORCED 255

/// priority for pg deletion when osd is not fullish
#define OSD_DELETE_PRIORITY_NORMAL 179

/// priority for pg deletion when osd is approaching full
#define OSD_DELETE_PRIORITY_FULLISH 219

/// priority when more full
#define OSD_DELETE_PRIORITY_FULL 255

Related issues:
Related to RADOS - Feature #39339: prioritize backfill of metadata pools, automatically added
In Progress

Related to RADOS - Bug #39099: Give recovery for inactive PGs a higher priority
Resolved 04/03/2019

History
#1 - 04/17/2019 06:39 PM - David Zafman
- Related to Feature #39339: prioritize backfill of metadata pools, automatically added

#2 - 05/02/2019 05:10 PM - David Zafman
- Related to Bug #39099: Give recovery for inactive PGs a higher priority added
Now we need to include new recovery priority boost.

// base recovery priority for MRecoveryReserve (inactive PG)
#define OSD_RECOVERY_INACTIVE_PRIORITY_BASE 220

#4 - 05/03/2019 05:02 AM - David Zafman
- Status changed from New to In Progress
- Pull request ID set to 27941

#5 - 05/09/2019 01:49 AM - David Zafman
- Status changed from In Progress to Resolved