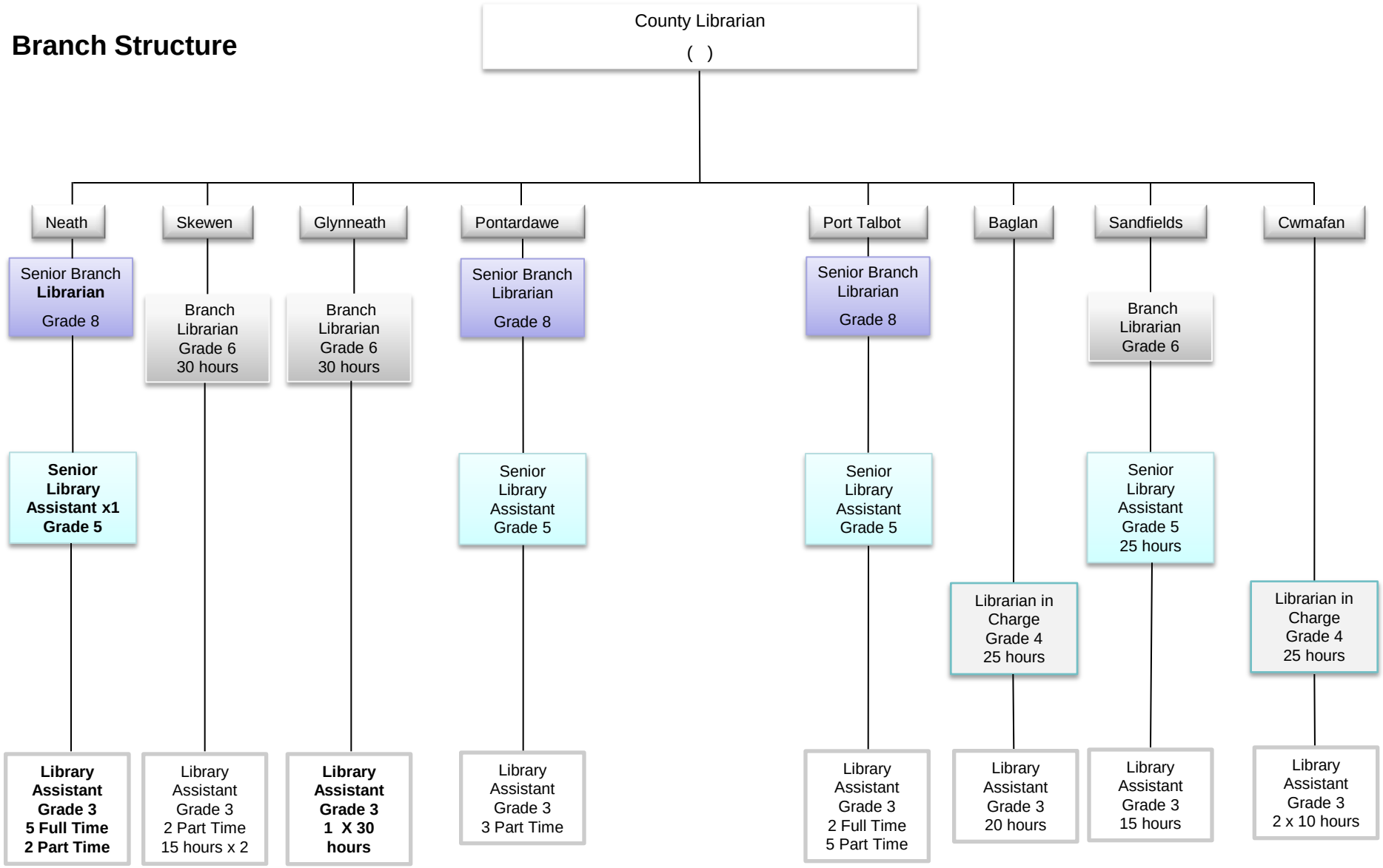Branch Structure