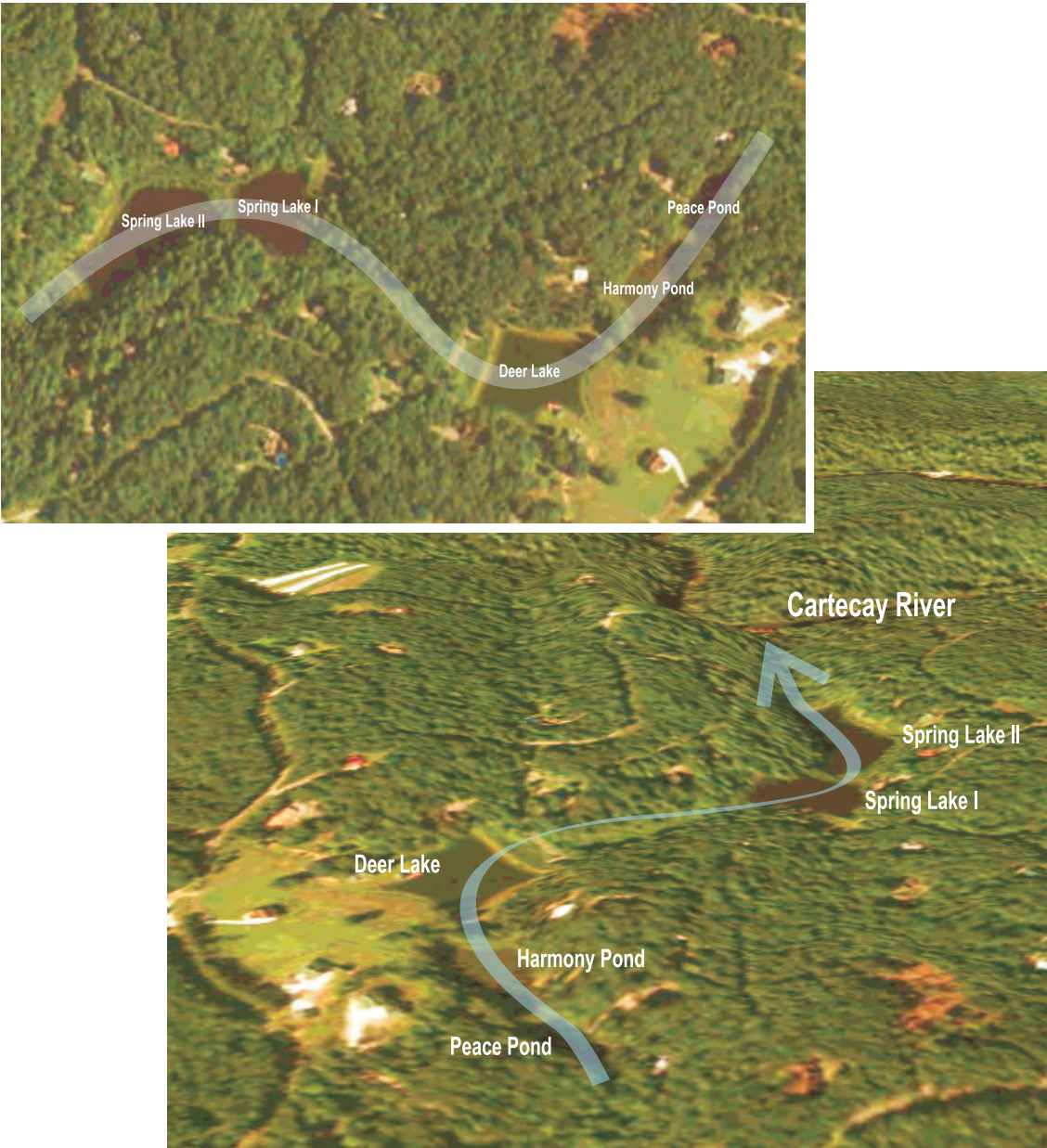


# THE BLACKBERRY MOUNTAIN HYDROLOGY SYSTEM

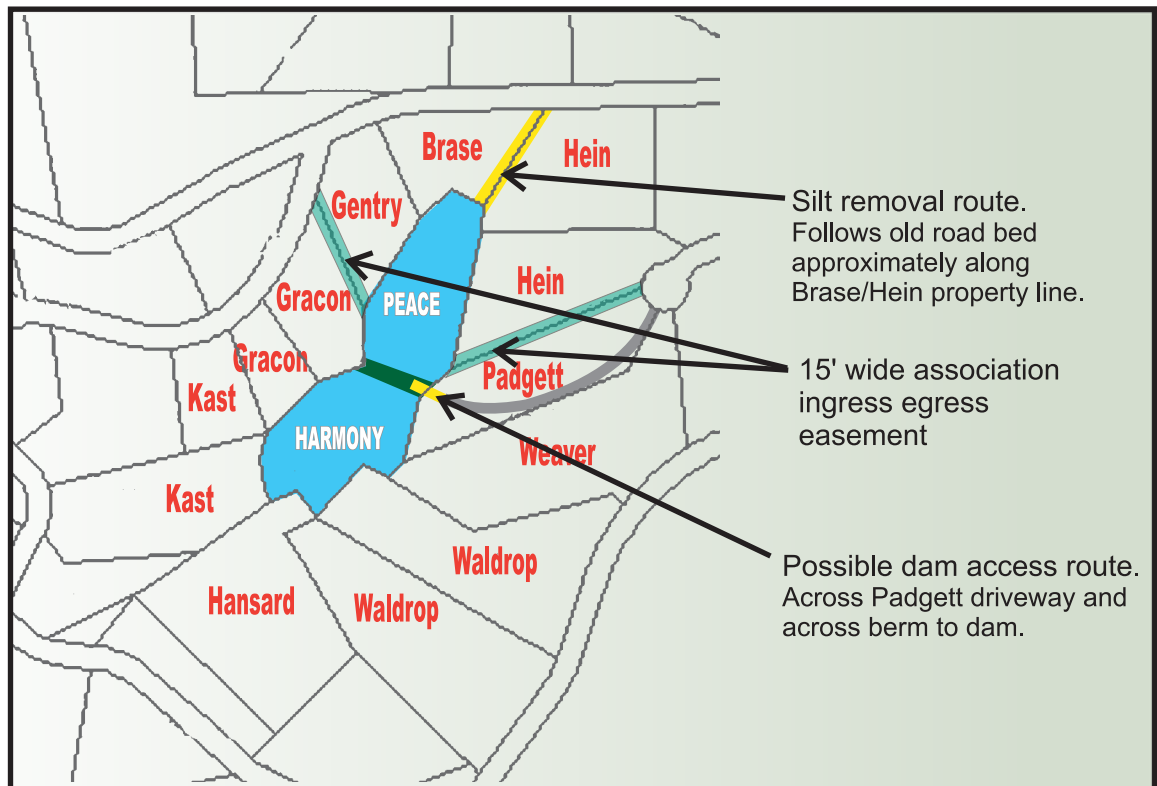
The man-made ponds of Blackberry Mountain are part of the hydrologic tributary system that drains into the Cartecay River. The primary purpose of the ponds is drainage control. All of the ponds except for Deer Lake were constructed over 25 years ago when Blackberry was first developed. Deer Lake was constructed about 8 years later. All of the ponds are tributaries of the Cartecay River and are considered state waters and subject to the rules and regulations of the Environmental Protection Division of the Georgia Department of Natural Resources.

While Peace Pond is a BMA common property, it is regulated by the EPD.

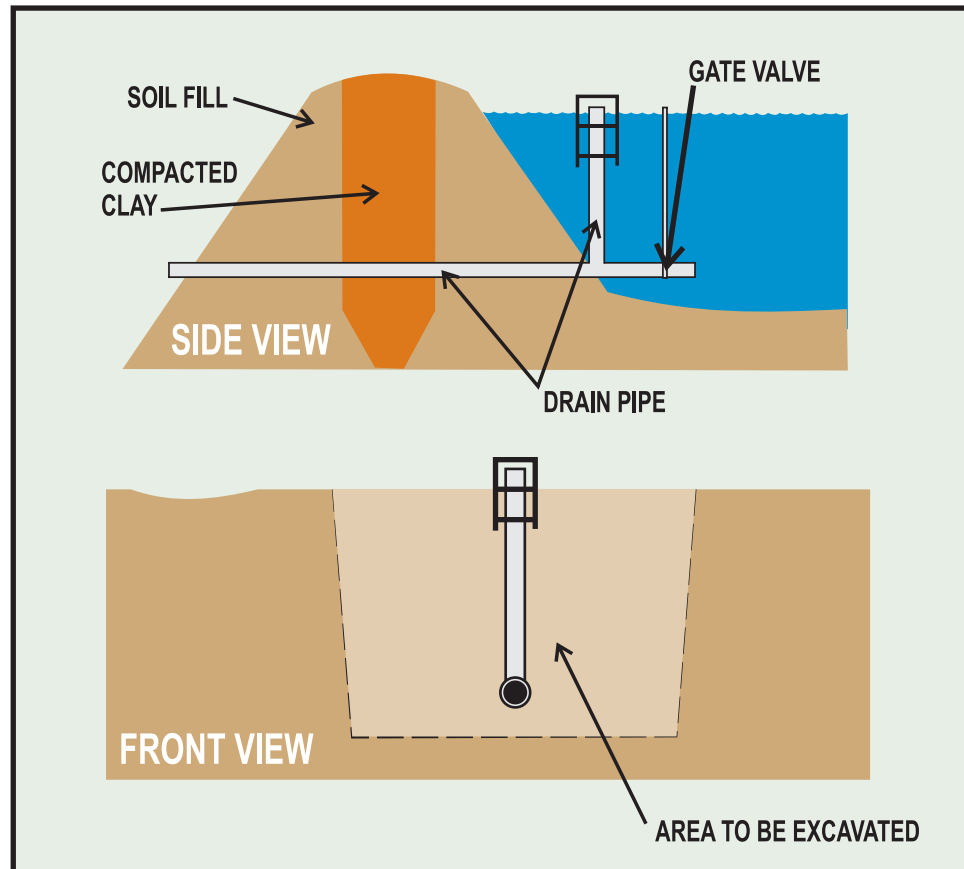


# SILT REMOVAL AND DAM RECONSTRUCTION

- 1** Agreements for access to pond signed by BMA and effected property owners (Brase, Hein and Padgett).
- 2** Water from Peace Pond will pumped into Harmony Pond.  
Access will be needed across silt removal route.  
Time required will depend on amount of water to be removed.
- 3** Once pond bed is allowed to dry out, silt removal will be begin. Truckloads of silt be removed and taken off-site. Number of truckloads of silt and time required will depend on the volume and moisture content of the silt.
- 4** Once silt is removed, the pond will be recontoured and the dam mechanism replacement will begin. If pond floor is dry enough to support vehicles, access to the dam will be across pond floor. If not, access will be across Padgett driveway and berm to dam.



- 5** The center portion of the dam will be excavated to remove the old dam mechanisms and pipes. The mechanisms and pipes will be replaced with those that meet current EPD code requirements.



- 6** After the mechanisms and pipes are replaced, the fill dirt removed from the dam must be replaced and compacted. If the quality and quantity of the removed fill dirt is not sufficient, new fill will have to be hauled in.
- 7** After completion of the dam, grass will be planted on all bare surfaces, and restoration will be made to access areas if necessary.
- 8** Pond will refill naturally from rainfall, spring seepage and runoff.
- 9** Once pond has sufficient water, fish will be restocked either by GA DNR (if the program is still active) or BMA.

