Bee Run

sutton lake, wv

Bee Run Master Plan Draft August 23, 2012

BCDABraxton County

Development Authority



PARSONS BRINCKERHOFF

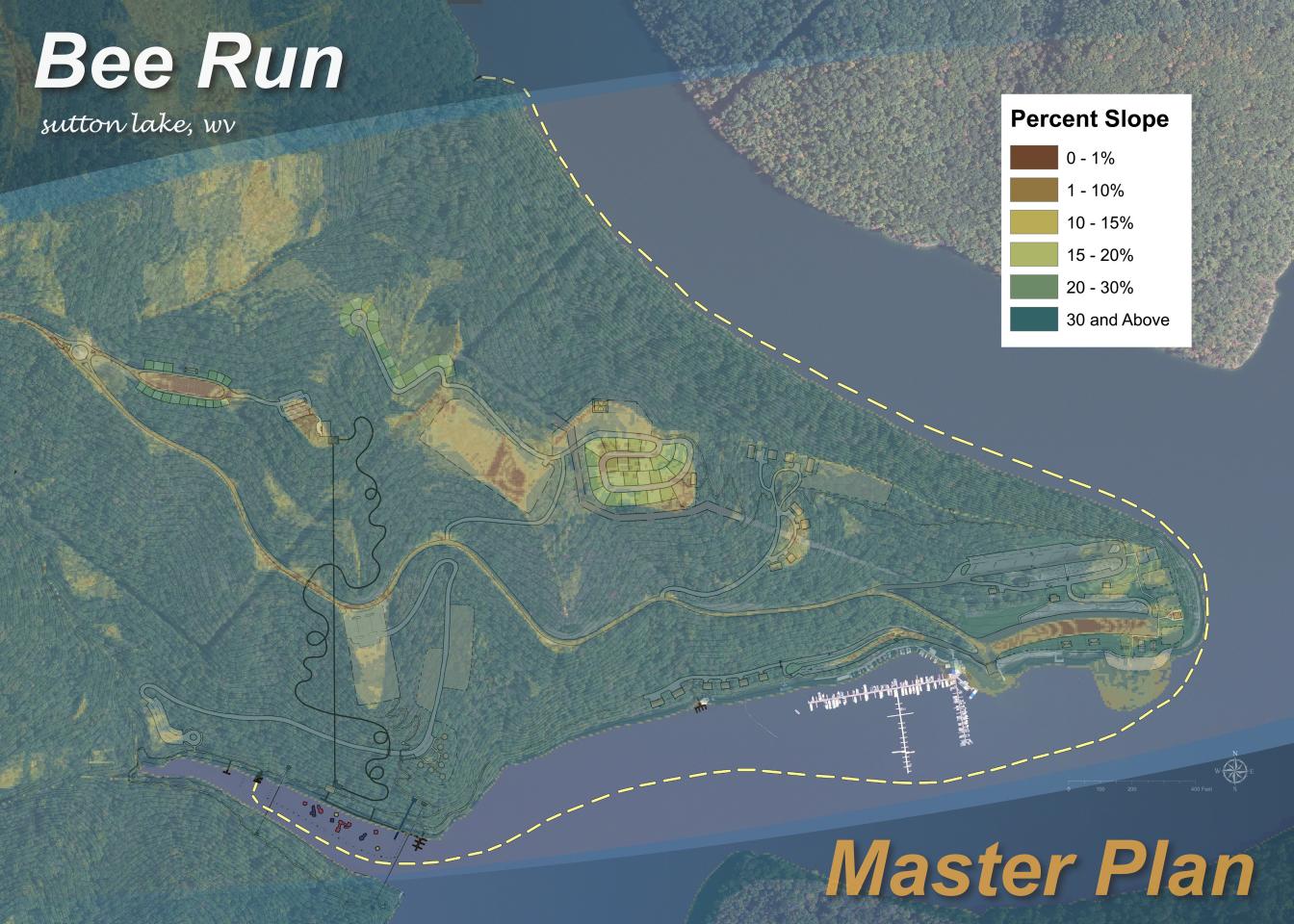
Master Plan









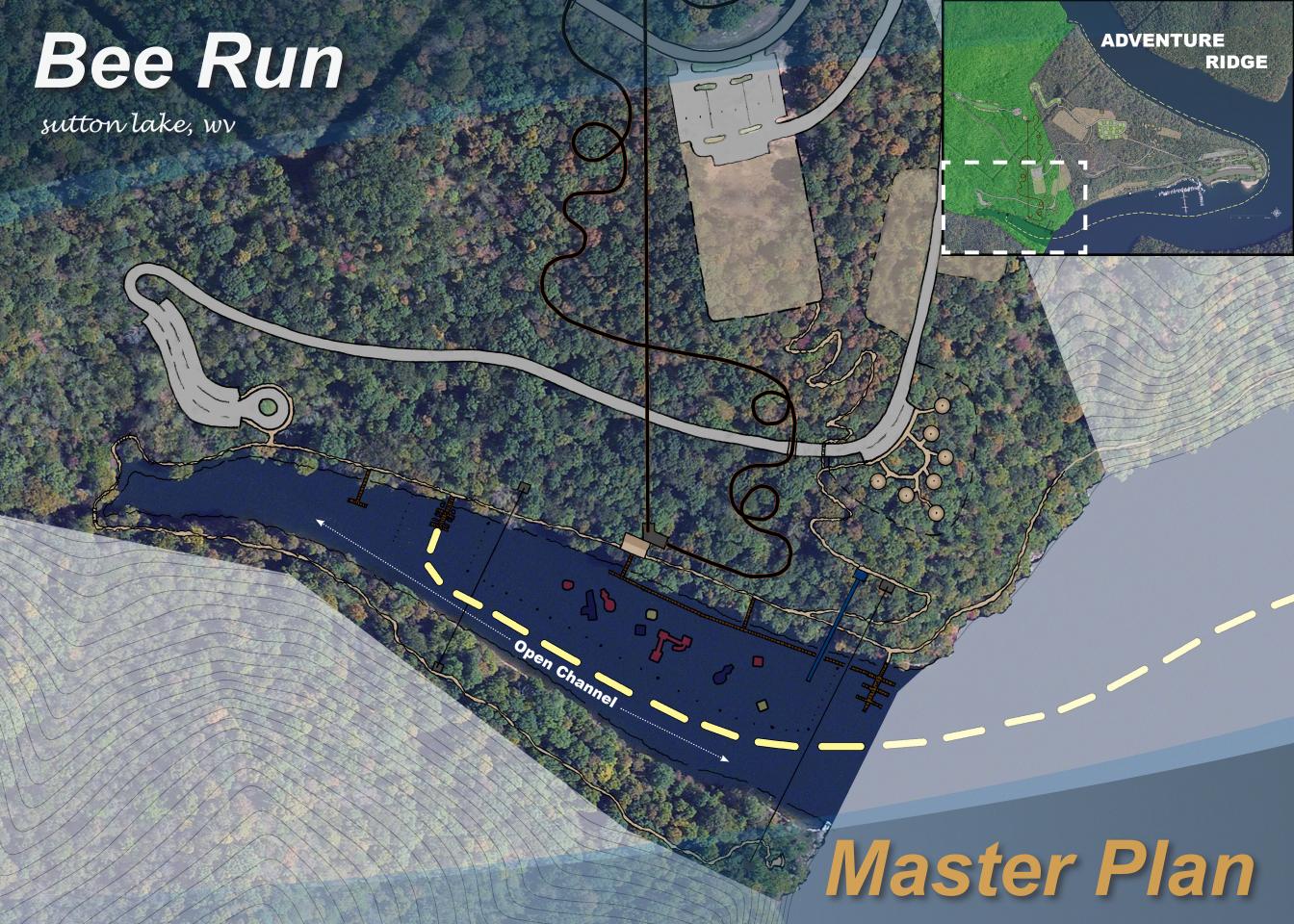






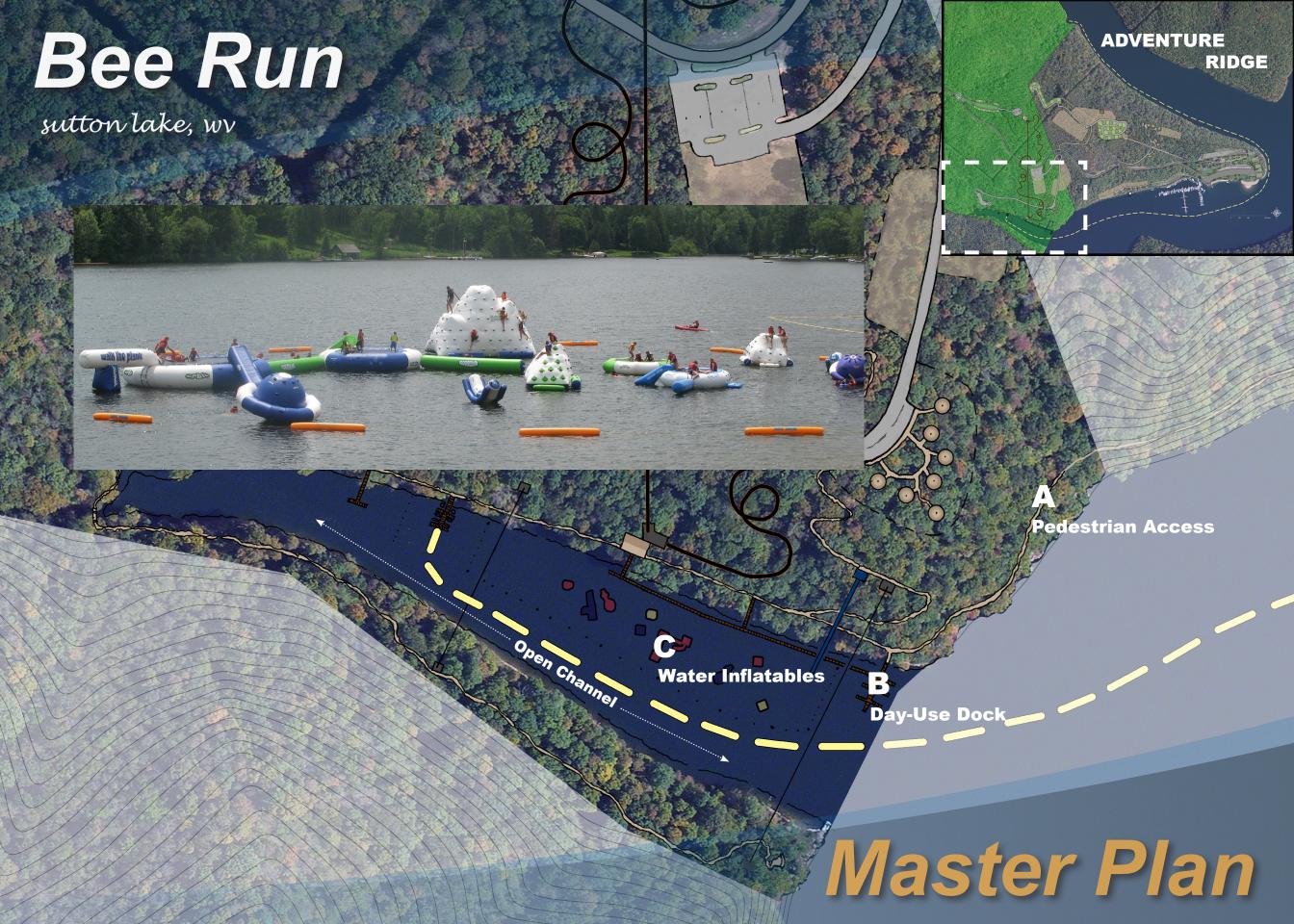














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sutton lake, wv

D Lookout Point

K Yurt Village

Water Inflatables

B
Day-Use Dock

Waterfront Cabins

Pedestrian Access

Sutton Lake Marina

Master Plan











































































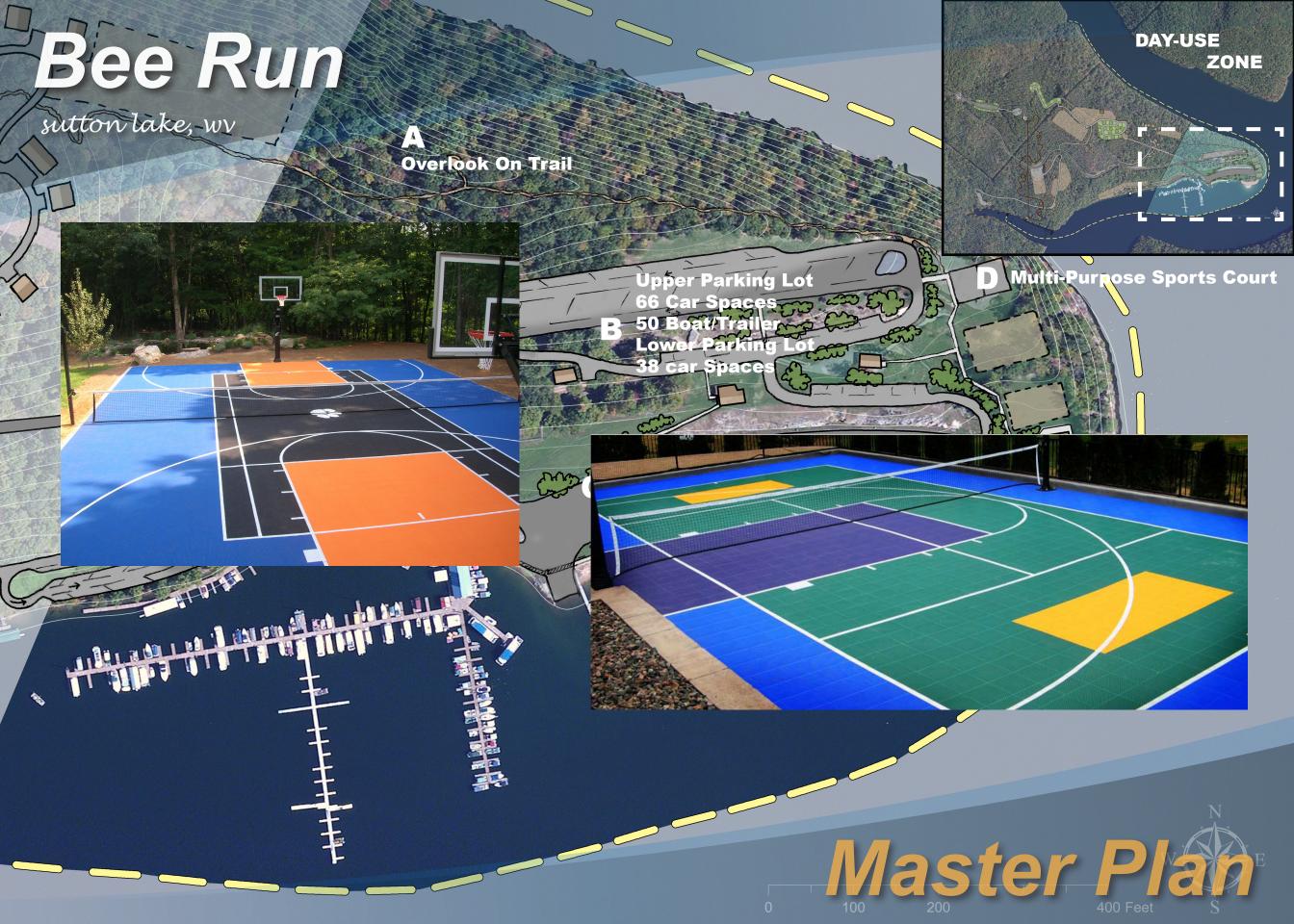


















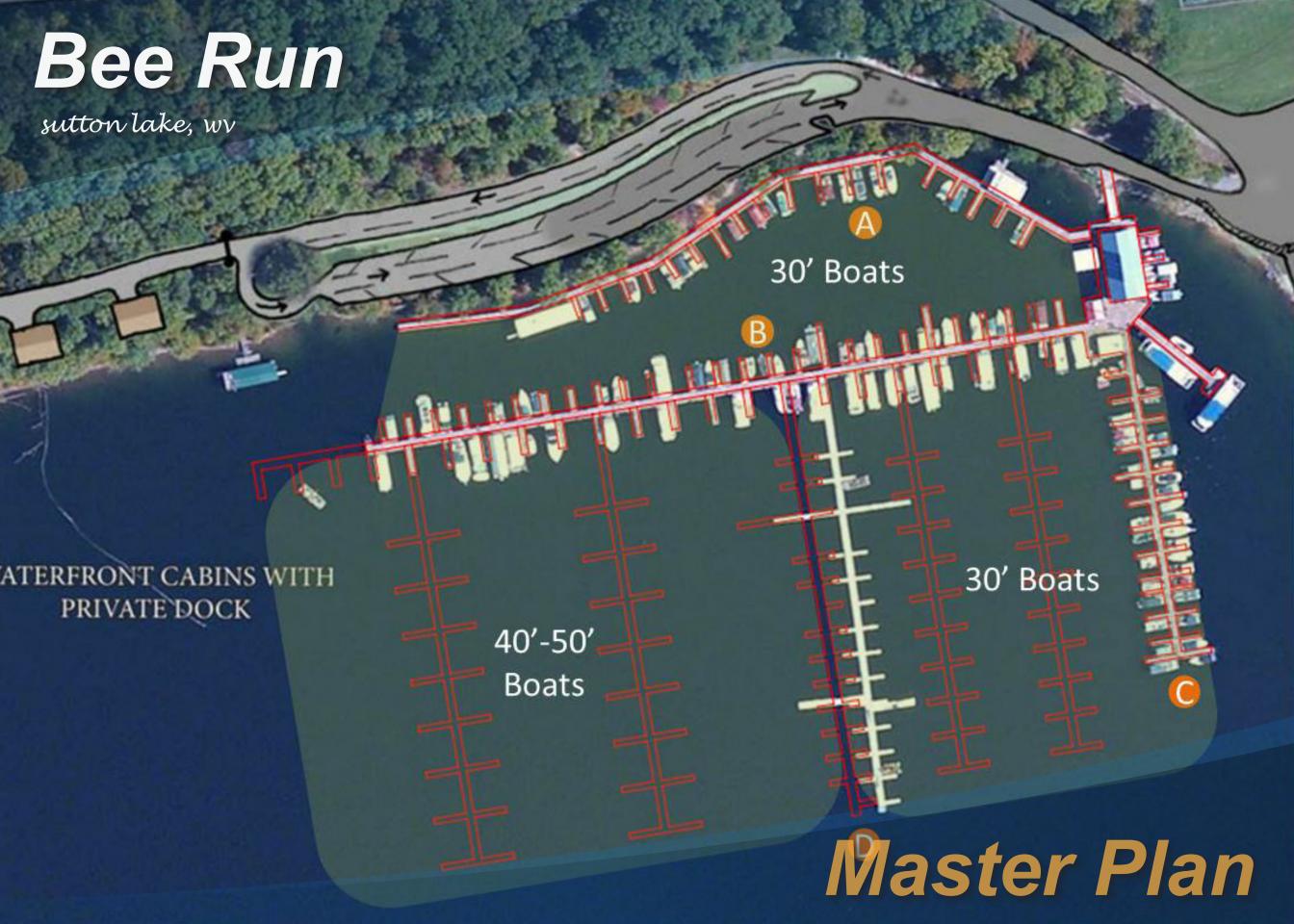








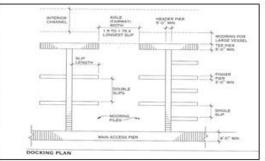




Bee Run

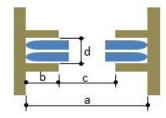
sutton lake, wi





BOAT LENGTH	SLIP LENGTH	SINGLE SLIP WIDTH	SLIP WIDTH
20	23	10	20
25	28	12	25
30	33	14	27
35	38	15	31
40	43	18	34
45	48	19	36
50	53	20	38
55	58	22	42
60	63	23	44

Recommended Slip Dimensions



Boat Size (Max)	a	b	С	d
30'	84'-90'	24'	36'-42'	27′
40'	112'-120'	32'	48'-56'	34'
50'	140'-150'	40'	60'-70'	38'

EXISTING DOCK CONDITIONS AND OBSERVATIONS

- . There are 4 docks designated as docks A, B, C and D.
- · Dock D is the newest addition to the network.
- · All docks were recently upgraded.
- Available Slips: 232 total (Docks A= 35, B=92, C=53 and D=52)
- · Most slips are double loaded.
- The typical width of double loaded slips is approximately 20', However, there
 are some along the south edge of dock B that are approximately 28' wide.
- · In many cases the larger boat sizes are underserved by the size of the slips.
- The majority of slips have a finger dock size of 5'x20', with a few finger docks up to 26'-60' in length distributed among the 4 main docks. Dock development standards suggest a finger dock size of approximately 80% of the boat length. Many of the larger boat slips may require larger finger docks.
- Dock A appears to become unusable during times when the lake water level is low.

ASSUMPTIONS

- The average size of boats that the marina serves range in size from 20' to 50' in length, based on data found on Marina website for Dock B. The exception are rented house boats that are 14'x59' in size and rented paddle boats.
- The marina serves a variety of boat types including pontoon, house boats, paddle boats, fishing boats and recreational / ski boats.
- An additional 150 slips are desired for the marina.

RECOMMENDATIONS

- · Consider zoning slips according to boat size and slip capacity.
- Add 4 new docks branching off dock B and extend dock B to facilitate 150 additional slips.
- Shift existing dock D one bay to the west to facilitate 2 additional docks for smaller boats.
- · Provide longer finger docks for boats 40' and longer.
- Consider relocating Dock A slips to deeper water, potentially at the end of Dock B. The main dock could be as a pedestrian boardwalk to connect the marina to proposed cabins. The existing slips could also be removed or repurposed for additional cabins (floating cabins or on stilts) situated along dock A. Other amenities that could be added along dock A include a cabana, restaurant and dining platform.









