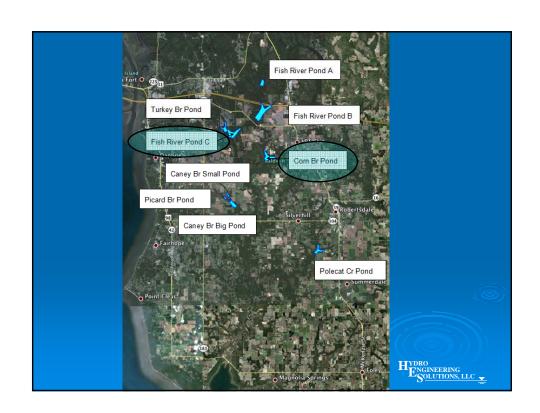
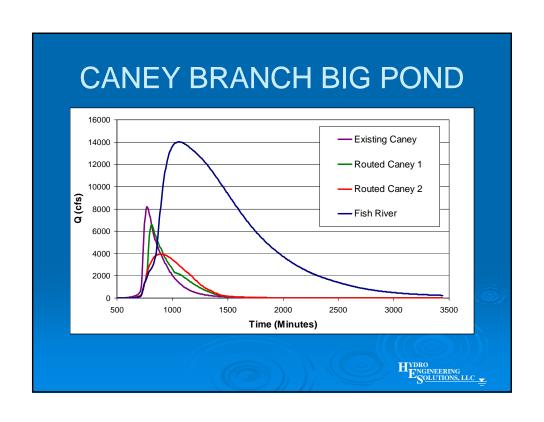


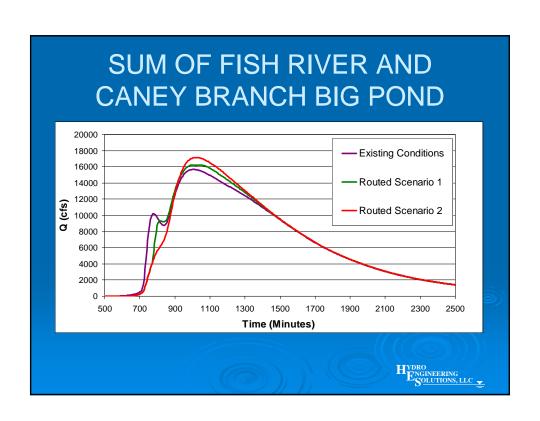
WHAT WE LEARNED CONT'D • CORN BRANCH POND COUPLED WITH FISH RIVER POND C IS A BENEFICIAL COMBINATION FOR HELPING REDUCE PEAK DISCHARGES



WHAT WE LEARNED CONT'D • CANEY BRANCH SMALL POND, CANEY BRANCH BIG POND, AND PICARD BRANCH ALL CAUSED AN INCREASE ON FISH RIVER DUE TO TIMING







WHAT WE LEARNED CONT'D TURKEY BRANCH POND COUPLED WITH SPANISH FORT DETENTION CAUSED A DECREASE AT SR104 BUT AN INCREASE DOWNSTREAM OF CR48 DUE TO TIMING



- > FISH RIVER "POND A" HAD VIRTUALLY NO IMPACT ON THE REDUCTION OF PEAK DISCHARGES FOR EXISTING AND PROPOSED DEVELOPMENT.
- > FISH RIVER "POND B" PROVIDES MINIMAL REDUCTION IN INCREASED DISCHARGES FOR PROPOSED DEVELOPMENT





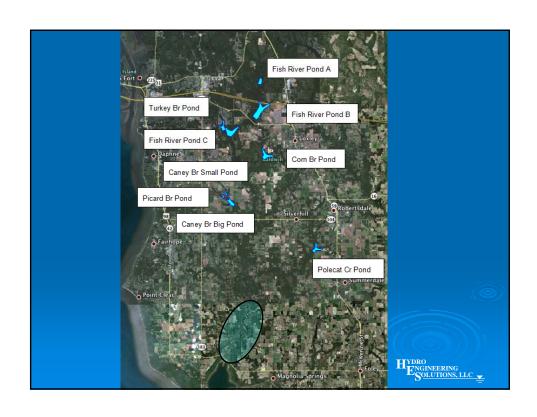
WHAT WE LEARNED CONT'D

> LOCAL DETENTION IN THE UPPER PART (SPANISH FORT...ETC) OF WATERSHED IS REQUIRED TO HELP OFFSET INCREASED DISCHARGES DUE TO DEVELOPMENT IN OTHER PARTS OF THE WATERSHED

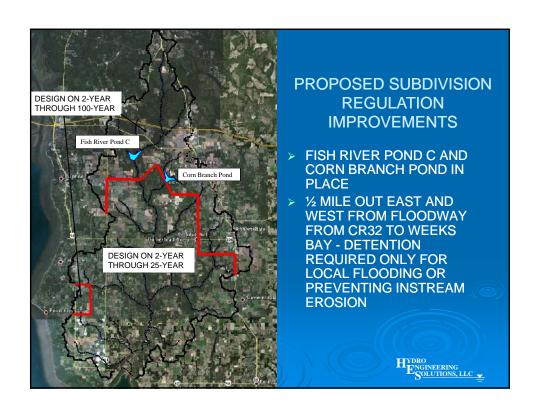


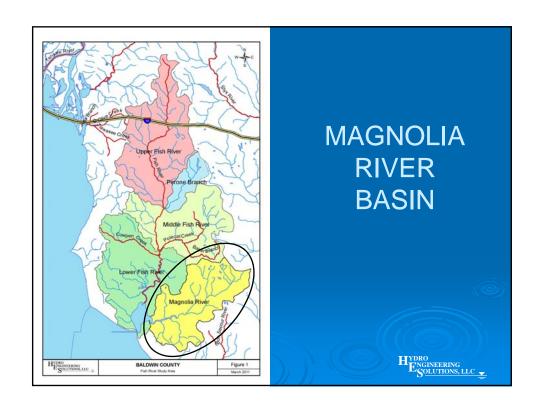
- DEVELOPMENT WITHIN A HALF MILE OF THE FLOODWAY IN THE LOWER PART OF THE BASIN CAN BE LEFT UNDETAINED
- > IT MAY BE NECESSARY TO DESIGN LOCAL DETENTION/RETENTION TO PROTECT LOCAL STREAMS OR IF THERE IS A LOCAL FLOODING ISSUE DOWNSTREAM OF THE PROPERTY

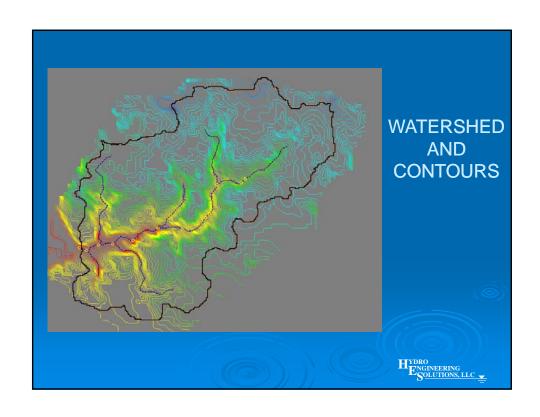


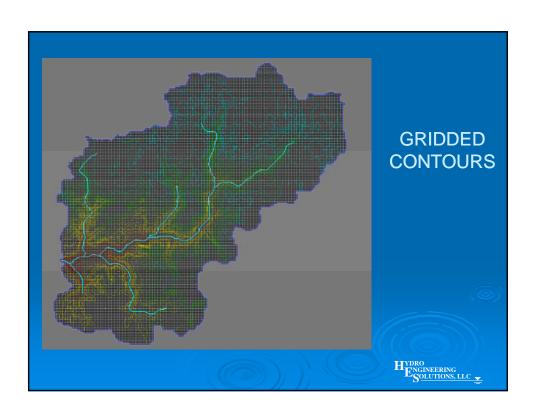


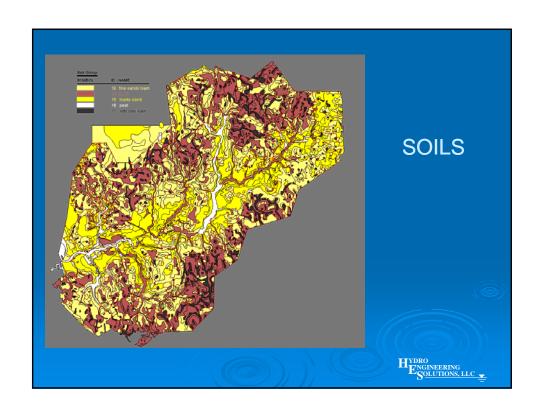
SCENARIO	SR 104	D.S. of CR 48	HWY 98
Existing Conditions	16,960	21,190	28,640
F+B+S/R+SpFt Developed	18,240	23,280	29,620
F+B+S/R+SpFt Developed – Add Fish River Pond B	18,140	23,270	29,540
F+B+S/R+SpFt Developed – Add Corn Branch Pond	17,650	22,100	29,320
F+B+S/R+SpFt Developed - Add Caney Branch Pond	18,500	22,430	29,110
F+B+S/R Developed, SpFt All Local Detention Add Turkey Branch Pond	16,440	22,590	29,220
F+B+S/R+L Developed F+B Headwater Detention SpFt All Local Detention	17,050	22,060	29,000
F+B+S/R+L Developed F+B Headwater Detention SpFt All Local Detention Add Com Br Pond	16,690	20,880	28,700

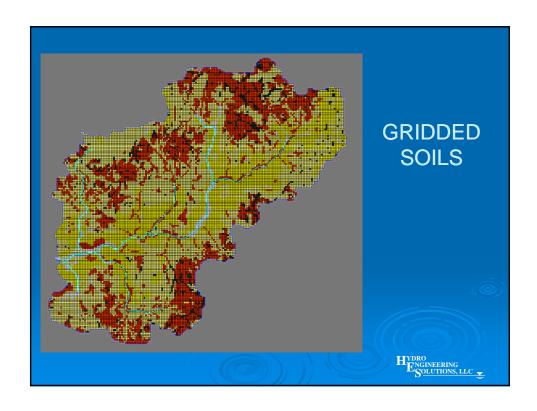


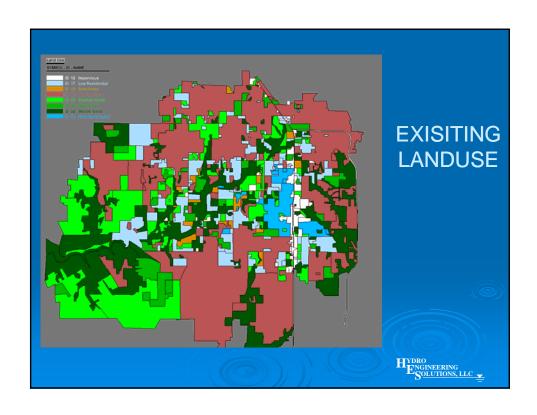


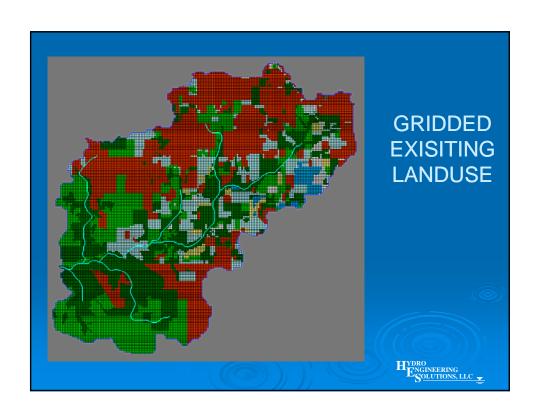


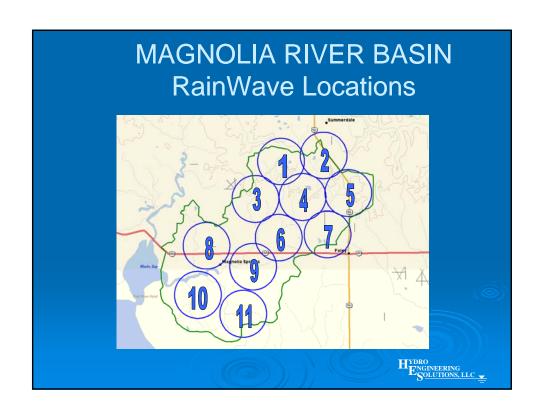


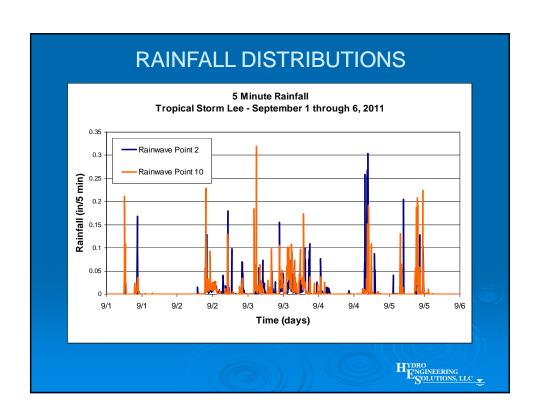


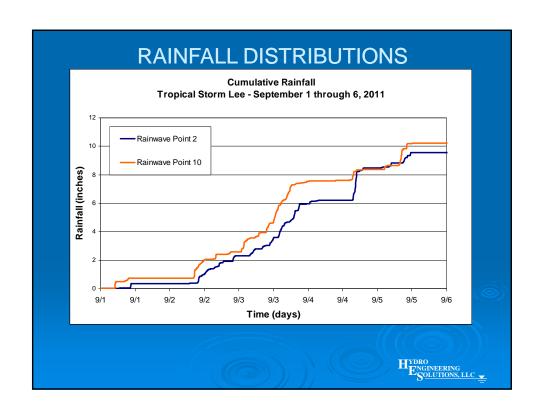


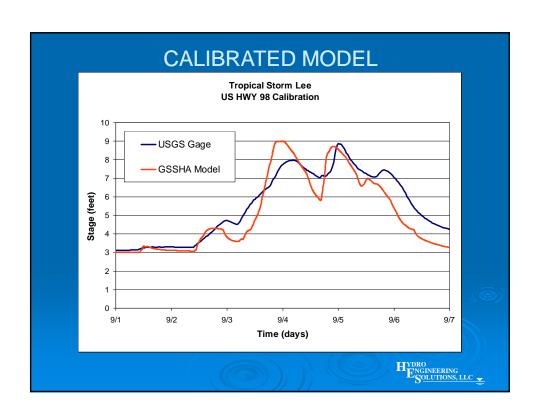


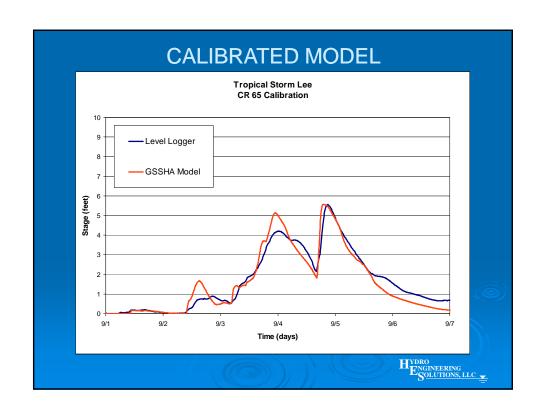


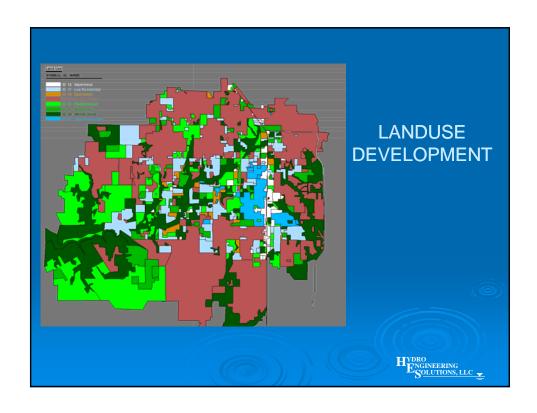


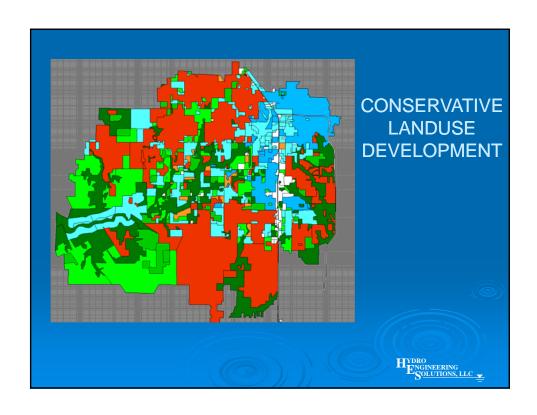




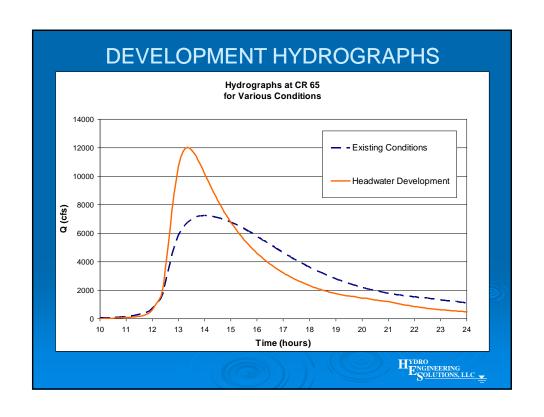


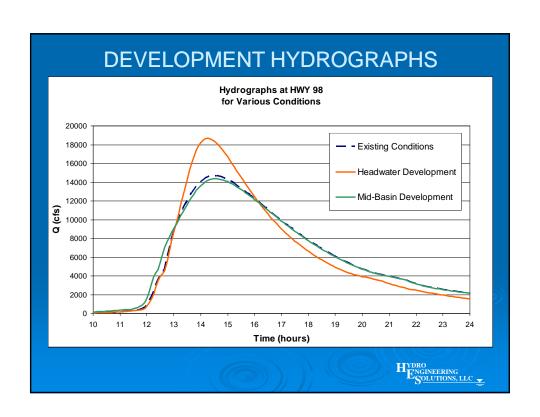


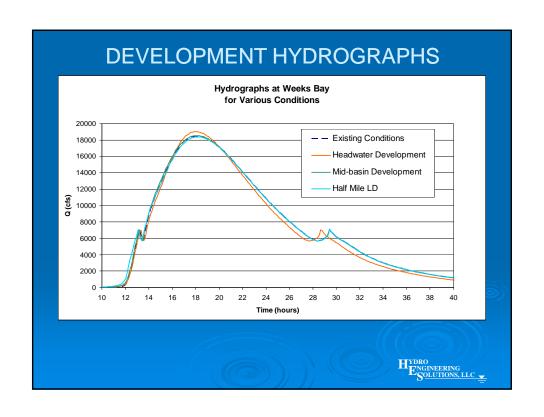


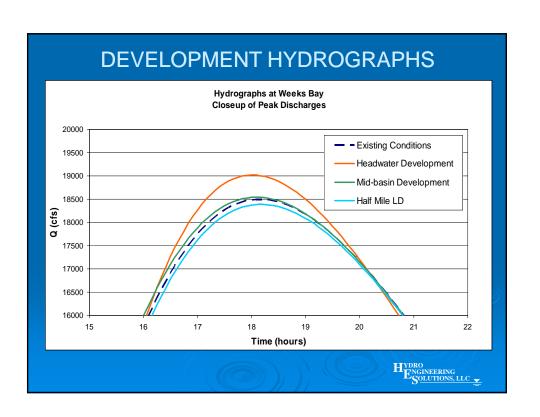












WHAT WE LEARNED

> THE FURTHER IN THE HEADWATERS
THE WORSE THE IMPACT ON
MAGNOLIA RIVER



- REGIONAL PONDS CANNOT PROVIDE ENOUGH STORAGE VOLUME TO HAVE A SIGNIFICANT IMPACT ON DISCHARGE REDUCTION
- REGIONAL PONDS WOULD BE UNABLE TO HANDLE INCREASED DISCHARGE DUE TO UNDETAINED DEVELOPMENTS



- DEVELOPMENT WITHIN A HALF MILE OF THE FLOODWAY IN THE LOWER PART OF THE BASIN CAN BE LEFT UNDETAINED
- > IT MAY BE NECESSARY TO DESIGN LOCAL DETENTION/RETENTION TO PROTECT LOCAL STREAMS OR IF THERE IS A LOCAL FLOODING ISSUE DOWNSTREAM OF THE PROPERTY



Table 5-2							
Magnolia	River	Watershed	Summary	of	Discharges		

SCENARIO	CR 65	HWY 98	Weeks Bay
Existing Conditions	7,230	14,680	18,490
Existing Conditions –			
Add Pond above CR 65	7,000	14,510	18,440
Existing Conditions –			
Add Pond b/w HWY 98 & CR 65	7,230	14,160	17,920
Existing Conditions –	7.000		40.400
Add Pond above CR 24	7,230	14,230	18,180



