

DAM SAFETY INSPECTION REPORT

NAME CAPE FEAR 1985 ASH POND		COUNTY CHATHAM	NO. 079	INSPECTED BY JLH/AR	DATE 2-21-14
OWNER DUKE PROGRESS		ADDRESS FILE			PHONE FILE
TYPE DAM ☐ Concrete gravity ☐ Concrete arch ☐ Other ☒ Embankment ☐ Concrete buttress ☐ Stone masonry		TYPE INSPECTION ☒ Periodic ☐ Initial ☐ Followup ☐ Other		SITE CONDITIONS ☒ Wet ☐ Dry ☐ Snowcover ☐ Other	
HAZARD DESCRIPTION DS SECONDARY RD. / MATERIAL COMPOSITION				HAZARD CLASS ☐ Low (A) ☒ Intermediate (B) ☒ High (C)	
REMARKS - CONTINUING TO APPEAR STABLE. NO SIGNIFICANT CHANGES NOTED IN SEEPAGE GROUND COVER + VERMIN MANAGEMENT MUCH IMPROVED. - DISCUSSED RISER LEAKAGE & POTENTIAL REPAIRS.				ACTION ☐ None ☐ Maintenance ☒ Monitoring ☐ Minor repair ☐ Engineering RECOMMENDATIONS ☒ Inspection letter ☐ Deficiency letter ☐ RE notice ☐ Engineering study ☐ Inspection by RE ☐ Inspection by DSE ☐ Dam safety order ☐ Enforcement ☒ Periodic reinspection ☐ Other reinspection	

AREA	PROBLEMS	COMMENTS
UPSTREAM SLOPE / FACE	☐ 1. None ☐ 11. Displaced rip rap ☐ 2. Trees ☐ 12. Cracks ☐ 3. High bushes ☐ 13. Undermining ☒ 4. Burrows ☒ 14. Holes ☒ 5. Wave erosion ☐ 15. Spalling ☐ 6. Livestock damage ☐ 16. Displaced joints ☒ 7. Slides ☐ 17. Deteriorated joints ☒ 8. Depressions ☐ 18. Exposed reinforcement ☒ 9. Bulges ☒ 19. Other ☐ 10. Sparse rip rap	COVER: ☒ Vegetation ☒ Rip rap ☐ Concrete ☐ Asphalt ☐ Other - SLOPE / IRREGULARITIES APPEAR BETTER-MANAGED & NOT DISTRESS IS NOTED. - VERMIN CONTROL EFFORTS APPEAR SUCCESSFUL. - VEG. MAINTENANCE IS MUCH IMPROVED.
TOP OF DAM	☒ 1. None ☐ 11. Cracks ☐ 2. Trees ☐ 12. Spalling ☐ 3. High bushes ☐ 13. Deteriorated joints ☐ 4. Burrows ☐ 14. Displaced joints ☐ 5. Pits ☐ 15. Exposed reinforcement ☐ 6. Livestock damage ☐ 16. Other ☐ 7. Depressions ☐ 8. Uneven ☐ 9. Misalignment ☐ 10. Has overtopped	COVER: ☒ Vegetation ☒ Gravel ☐ Concrete ☐ Asphalt ☐ Other
DOWNSTREAM SLOPE / FACE	☐ 1. None ☐ 11. Seepage ☐ 2. Trees ☐ 12. Boils ☐ 3. High bushes ☐ 13. Cracks ☒ 4. Burrows ☒ 14. Holes ☒ 5. Erosion ☐ 15. Spalling ☐ 6. Livestock damage ☐ 16. Displaced joints ☒ 7. Slides ☐ 17. Deteriorated joints ☒ 8. Depressions ☐ 18. Exposed reinforcement ☒ 9. Bulges ☐ 19. Other ☐ 10. Wetness	COVER: ☒ Vegetation ☐ Rip rap ☐ Concrete ☒ Other STONE COVER @ W TOE - SEE US SLOPE COMMENTS - PREVIOUSLY NOTED BURROW ON SOUTH FACE NOT VISIBLE - ONGOING MAINTENANCE IS MUCH IMPROVED; GROUND COVER GOOD. 8 - 3 SMALL DEPRESSIONS NOTED NEAR CRIST ABOUT 600' FROM NORTH END ON THE EAST FACE - DO NOT APPEAR PROBLEMATIC, DISCUSSED GRANULAR BACKFILL & MONITORING
TOE CONTACT	☐ 1. None ☒ 11. Seepage ☐ 2. Trees ☐ 12. Boils ☐ 3. High bushes ☐ 13. Cracks ☐ 4. Burrows ☐ 14. Holes ☐ 5. Erosion ☐ 15. Spalling ☐ 6. Livestock damage ☐ 16. Displaced joints ☐ 7. Slides ☐ 17. Deteriorated joints ☐ 8. Depressions ☐ 18. Exposed reinforcement ☐ 9. Bulges ☐ 19. Undermining ☒ 10. Wetness ☒ 20. Other	COVER: ☒ Vegetation ☐ Rip rap ☐ Concrete ☒ Other STONE COVER @ W TOE TOE ADJ. TO RAIL 10, 11 - MAINTENANCE / SLOPE MANAGEMENT ARE MUCH IMPROVED. GROUND COVER IS GOOD & STONE ADJ. TO RAIL APPEARS TO BE EFFECTIVE. SEEPAGE APPEARS UNCHANGED. 20 - SOME EQUIP. IMPACT FROM MOWING WHEN WET ON STEEPER GRADDES.

AREA		PROBLEMS	COMMENTS
ASBESTOS CONTACTS	☐ 1. None ☐ 2. Trees ☐ 3. High bushes ☐ 4. Burrows ☐ 5. Erosion ☐ 6. Livestock damage ☐ 7. Slides ☐ 8. Depressions ☐ 9. Bulges ☐ 10. Wetness ☐ 11. Seepage ☐ 12. Boils ☐ 13. Cracks ☐ 14. Holes ☐ 15. Spalling ☐ 16. Displaced joints ☐ 17. Deteriorated joints ☐ 18. Exposed reinforcement ☐ 19. Undermining ☐ 20. Other	COVER: ☒ Vegetation ☐ Rip rap ☐ Concrete ☐ Other	- SEE PREVIOUS TOR COMMENTS
	☐ 1. None ☐ 2. No trashguard ☐ 3. Obstructed ☐ 4. Plugged ☒ 5. Rusted <i>TR</i> ☐ 6. Damaged ☐ 7. Gates leaking ☒ 8. Joints leaking <i>(RUST)</i> ☐ 9. Cracks ☐ 10. Joint deterioration ☐ 11. Joint displacement ☐ 12. Undermined ☐ 13. Voids ☐ 14. Erosion ☒ 15. Holes ☐ 16. Conduit collapsed ☐ 17. Spalling ☐ 18. Outlet undercutting ☐ 19. Misalignment ☐ 20. Other	TYPE/SIZE: CONCRETE RISER/CONDUIT (FIRE)	
EMERGENCY SPILLWAY	☐ 1. None ☐ 2. No ES ☒ 3. Same as PS ☐ 4. Obstructed ☐ 5. Erosion ☐ 6. Displaced rip rap ☐ 7. Sparse rip rap ☐ 8. Joints leaking ☐ 9. Cracks ☐ 10. Joint deterioration ☐ 11. Joint displacement ☐ 12. Undermining ☐ 13. Voids ☐ 14. Holes ☐ 15. Exposed reinforcement ☐ 16. Spalling ☐ 17. Outlet erosion ☐ 18. Misalignment ☐ 19. Inadequate capacity ☐ 20. Other	TYPE/SIZE:	
	☐ 1. None ☒ 2. No bottom drain ☐ 3. Bottom drain inoperable ☐ 4. Subsurface drain dry ☐ 5. Subsurface drain muddy flow ☐ 6. Subsurface drain obstructed ☐ 7. No animal guard ☐ 8. Other	TYPE:	

SKETCHES/COMMENTS

- NO EVIDENCE OF STRUCTURAL DISTRESS; SITE APPEARS STABLE @ THIS TIME.
- SLOPE / VEG. / VARMINIT MANAGEMENT EFFORTS APPEAR TO BE EFFECTIVE & SHOULD CONTINUE.
- AREAS PREVIOUSLY AFFECTED BY SKIPPAGE APPEAR UNCHANGED. SITE IS VERY WET DUE IN PART TO RECENT WEATHER CONDITIONS, BUT NO DISTRESS WAS OBSERVED.