SEDIMENT BASIN DATA SHEET				
Basin Number				
A. Total Contributing Watershed (ac)				
B. Disturbed Area (ac)				
C. Req. Dewatering Volume (A x 1800 ft_/ac)				
D. Req. Sediment Storage Zone Vol. (B * 1000 ft_/ac-D)				
E. Total Required Capacity (C + D in ft_)				
F. Dewatering Volume Provided (ft_/ac)				
G. Sediment Storage Provided (ft_/ac)				
H. **Total Storage Provided at Crest of Riser** (ft_/ac)				
Principal Spillway				
Req. Principal Spillway Capacity (10yr-24hr storm) (cfs)				
Principal Spillway Capacity Provided (cfs)				
Diameter of Barrel (inches)				
Diameter of Riser (inches)				
Volume of Concrete to Prevent Riser Flotation (ft_)				
Outlet Type				
Drawdown time (hours must exceed 48hr drawdown)				
Mark selected outlet type (X)				
A. Non-perforated Riser with Stub & Faircloth Skimmer				
Orifice size in inches				
Stone pad provided at top of sediment storage				
B. Protected Single Orifice				
Orifice size in inches				
C. Perforated Riser				
Hole size (inches)				
Hole Spacing (# per row, # rows, spacing apart)				
Protection of Perforations – sm holes (<3/4") typ need anti-clogging Measure-aggregate>than hole size or wire cloth/fence & geotextile				
Pond Shape – 4:1 L :W for each inlet of baffle(s) applied				
Flow L : W Ratio (4 : 1 min)				
Baffles Detailed (Yes or No)				
Bottom Elevation				
Sediment Storage Zone Elevation				
Crest of Principal Spillway Elevation (Min. 1ft below crest E. S.)				
Pool Depth at Riser (ft. ideally 3-5')				
Top of Embankment Elevation				
Embankment Side Slopes (Max. 2:1, combined 5:1)				
Embankment top Width (ft. based on C/L height, Min. 8")				
Emergency Spillway Elevation				
Emergency Spillway Discharge (25hr-24hr storm less Principal S.)				
Emergency Spillway Bottom Width				
Emergency Spillway Lining (vegetated, riprap . . .)				
Rock Outlet Protection (size, gradation and quality of rock)				