Figure 2: Silvicultural Effectiveness Monitoring Components within the Forest Management Planning System: Stand and Management Unit Level

 Forest Management Plan: five-year deties and monitoring regeneration sufficient for the second sec	letailed plans of harvest, regeneration activi- success; key components relative to SEM Silvicultural Ground Rules (SGR) Table: FMP-10 Descriptors include: Current FU Silvicultural Treatment Package (STP) Future FU Harvest Method Preferred Alt. Renewal Methods		Annual Work Schedule (AWS): schedule harvest, renewal and monitoring operations Forest Operations Prescription (FOP): confirm/revise STP in stand listings Schedule renewal, maintenance and protection : Table AWS-4 Schedule regeneration success assessment: Table AWS-6 Harvest, Renewal, Maintenance and Monitoring Operations Implemented Each Year Monitoring Regeneration Success using intensive /extensive surveys MNR audit Surveys use either Free-Growing Regeneration Assessment (for even-aged) or Silvicultural Treatment Assessment and Reporting System (STARS) (for even or uneven-aged management)				
Planning involves modeling scenarios, selecting alternative, projecting 5-years of operations: Silvicultural Strategies: STP/FU combinations with similar yields and costs Strategic Forest Management Model (SFFM) analyses management alternatives Preferred alternative establishes available harvest area (AHA) & desired future forest condition & silvicultural investment requirements and other 5-year projections Projections: FMP-11: Future Forest Condition: FU/age class changes by 20 yr increments FMP-12: Sustainability Indicator Objectives: achievements by 20 yr increments FMP-14: Projected Harvest vol/area, Regen area, Tend area, Revenue and Expend dollars by FU FMP-16: FU area transitions over 5-yr. FMP-25: Renewal and Tending area FMP-27: Forecast Revenue and Expend dollars by Activity Monitoring Program: Regeneration Success component FMP-28 Forecast areas to be assessed (by original FU/STP)		Re	Annual Report tection and n Table AR-6 Renewal Tend Protection Operations area (compare FMP-25)	(AR): tables, text nonitoring activiti Table AR-7 Silvicultural Success area by FU/STP and Original FU (compare FMP-28)	and maps summariz ies, compare with p Table AR-8 Project Future FU of harvest area by origi- nal FU (compare with FMP-16)	AR-9 Regeneration Success Area by Original FU and Future FU (compare FMP-16)	AR-11 Revenue and Expend dol- lars by renewal activ- ity (compare with FMP-27
			Report on Past Forest Operations (RPFO): tables, text and map roll-up associated annual report tables and text for past 5 years, compare with FMP projections, ana- lyze and evaluate resultsRPFO-7RPFO-8RPFO-9RPFO-11RPFO-13Renewal,FU/STPTrackingRevenue and Expend dol-Projected,Tend andSuccessOriginal FUExpend dol- Lars byActual andProtectionBy Original FUto Future FULars by LesiredDesiredAreaFUProjected vs. Projected vs.renewal activ- ForestForest(sum AR-6)Projected vs. Actual Actual Actual(sum AR-8 and AR-9)(sum AR-11) (from inventory (sFMP-11)				
Note: The four documented components requires system discussed in section 2.1 are highlig	ired for a successful silvicultural effectiveness monitor hted in the above diagram:	ing					

1. Desired future Forest Condition

Standards Used to Assess Success
 Actual Treatments Implemented

2. Planned Method to Reach Future Forest Condition