SCT Ranking for 1999 CRFM Activities

Ranking	Equiv. Score	Cost ($ million)	Cuml. Cost	Comments		
JDA - Drawdown Study	600	3.300	3.300			
SYS - LSN Feasibility Study	600	4.250	7.550			
IHB - Flow Deflectors	600	3.800	11.350			
BON - PH2 DSM	600	21.900	33.250			
JDA - JBS Monitoring/O&M Safety	600	1.100	34.350			
LGR - Surface Bypass (Critical)	600	3.725	38.075	FFDRWG review		
SYS - Separator Evaluation	599	1.200	39.275			
SYS - LGR Model	599	0.100	39.375			
JDA - 24 Hour Spill Tests	451	1.900	41.275			
TDA - Spillway/Sluiceway Survival	435	2.000	43.275			
TDA - Surface Bypass Evaluation	435	1.650	44.925			
BON - PH1 DSM design	407	5.000	49.925	$3.5m appropriate if NMFS agrees is 00 implementation decision		
SYS - Adult PIT	400	0.150	50.075			
SYS - B2 Fish Unit Debris Study	390	0.200	50.275			
MCN - Extended Screens	386	3.450	53.725			
BON - Adult Fallback	386	0.300	54.025			
LGR - Extended Screens	369	0.950	54.975			
LGS - Extended Screens	364	1.200	56.175			
SYS - Turbine Passage/CAM Optimization	360	0.250	56.425			
BON - Surface Bypass-High Flow Outfall Investigations	357	1.500	57.925			
BON - Surface Bypass-B1 Prototype 2nd Year Test	356	3.300	61.225	FFDRWG review 99 test; all support $1.8m for 00 test		
TDA - Emergency Aux. Water/Outfall Reloc.	355	0.500	61.725			
MCN - IHB Adult Fallback	352	0.100	61.825			
SYS - Gas Fasttrack	348	3.500	65.325	FFDRWG review and develop IH/LMO spill evaluations		
SYS - Gas Abatement	344	1.500	66.825	FFDRWG review		
JDA - Surface Bypass Modified Spillway	332	0.140	66.965	FFDRWG develop scope		
SYS - B2 - AWS	328	0.200	67.165	FFDRWG develop scope		
SYS - Aux Water - LSN	324	0.185	67.350			
SYS - Fish Ladder Temp Control	317	0.060	67.410			
SYS - Turbine Passage/BON MGR Test	316	1.400	68.810			
JDA - 4 Unit Skeleton Bay Study	312	0.200	69.010			
BON - PH1 FGE	304	0.300	69.310			
BON - Flat Plate PIT	284	0.050	69.360			
JDA - Ringold	237	0.200	69.560			
JDA - Extended Screens	215	2.600	72.160			
SYS - Adult Passage (LCO) (minimal placeholder cost)	210	2.200	74.360	NWP review cost and FFDRWG review		
LCO - Feasibility	200	0.150	74.510			
SYS - Turbine Passage/MCN	200	1.600	76.110			
JDA - JBS Monitoring/Juvenile Fish Improv.	200	0.300	76.410			
JDA - JBS Monitoring/Adult Fish Improv.	200	0.300	76.710			
BON - PH2 FGE	200	0.800	77.510			
BON - Surf. Bypass-B2 Corner Collect. Devel	200	1.700	79.210			
MCN - Fish Ladder Exit Modif.	200	0.350	79.560			
Multiple JBS Passage Survival	100	0.740	80.300	SRWG review		
Pit-tag estuarine detection/recovery	100	0.560	80.860	SRWG review		
BON - Surface Bypass-Guid. Curtain Invest. - Scoping	100	0.150	81.010			
JDA - Flow Deflectors (1 & 20)	100	0.250	81.260	NWP/NWD review scope and nav. impact issue		

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BON - Project FPE	0	1.500	82.760			
JDA - Surface Bypass-Spillway Weir Test	0	0.500	83.260			
TDA - Surface Bypass Prototype Design	0	0.900	84.160			
SYS - Spill Effectiveness/Optimization	0	1.000	85.160			
JDA - Navigation	0	0.220	85.380			
BON - Surf. Bypass-B2 Corner Collect. (99 Test)	0	1.500	86.880			
BON - Surf. Bypass-B1 Phase 2 B1Proto. Devel.	0	1.250	88.130			
BON - Surface Dewatering	0	0.000	88.130			
BON - PH2 Gatewell Cleaning	0	0.750	88.880			
SYS - Acoustic	0	1.550	90.430			
SYS - Flume JDA	0	2.300	92.730			
SYS - Spill Survival	0	0.000	92.730			
LGR - JBS	0	0.400	93.130			
IHB - Flow Deflectors Adult Evaluation	0	0.200	93.330			
ACRONYMS						
AWS = auxiliary water supply						
BON = Bonneville Dam						
BI = BON first powerhouse						
B2 = BON second powerhouse						
CRFM = Columbia River Fish Mitigation project						
DSM = downstream migrant						
FFDRWG = Fish Facility Design Review Work Group						
FGE = fish guidance efficiency						
FPE = fish passage efficiency						
IHB = Ice Harbor Dam						
JBS = juvenile bypass system						
JDA = John Day Dam						
LCO = Lower Columbia						
LGR = Lower Granite Dam						
LGS = Little Goose Dam						
LMO = Lower Monumental Dam						
LSN = Lower Snake River						
MCN = McNary Dam						
MGR = minimum gap runner						
NMFS = National Marine Fisheries Service						
NWD = Corps Northwestern Division						
NWP = Corps Portland District						
NWW = Corps Walla Walla District						
O&M = operation and maintenance						
PH = powerhouse						
PIT = passive integrated transponder						
SCT = System Configuration Team						
SRWG = Studies Review Work Group						
SYS = System						
TDA = The Dalles Dam						