

## HYSSR RECORD CODES

<u>CODE</u>	<u>DESCRIPTION</u>	<u>PROGRAM</u>
01	Basic options to build Study Characteristics file	STCHAR2
01	Basic options of HYSSR Regulation	HYSSR
01	Basic options for Net Loads program	LOADS
01	Basic options for Rule Curve List program	RCLIST
01	Basic options for Flow Adjustment program	QADJ
02	Project number and name for Master File List program	LISTMSTR
03	Grand Coulee draft rate limits and elevations	
04	Record code table definitions	MASTER2
05	Period definitions for Study Characteristics file	STCHAR2
06	Exclude project's generation	HYSSR
06	Forecast runoff volumes for a project	VRC
06	Projects and runoff volumes for Flow Adjustment program	QADJ
10	Project inclusion for Study Configuration file	STCHAR1
10	Unit changes for a project	HYSSR
10	Hydro independent resources and their project numbers	LOADS
10	Projects whose rule curves should be output	RCLIST
11	Basic run options	ARC,VRC
12	Specify cyclical storage projects	ARC
12	95% forecast error	VRC
13	PDRs for PD1 level (high volumes) for three PDR levels	VRC
14	PDRs for PD2 level (middle volumes) for three PDR levels	VRC
15	PDRs for PD3 level (low volumes) for three PDR levels	ARC,VRC
16	Changes to SUB, SLB, RUB and RLB	ARC,VRC
17	Percent remaining runoff values	VRC
18	Mica's actual content used for the Arrow Local method	VRC
19	Mica's regulated flow for next period for Arrow Local method	VRC
20	Downstream project number for Master Configuration file	MASTER1
20	Project characteristics which do not vary with time	MASTER2
20	Unit changes to project characteristics at run time	HYSSR
20	Changes to SUB,SLB,RUB AND RLB	REFTEST
23	PDRs for PD1 (low volumes) for four PDR levels	VRC
24	PDRs for PD2 (low-middle volumes) for four PDR levels	VRC
25	PDRs for PD3 (high-middle volumes) for four PDR levels	VRC
26	PDRs for PD4 (high volumes) for four PDR levels	VRC
25	Forebay elevation for run-of-river project	TDDATA,TDMODS
26,27	Storage-Forebay Elevation table	MASTER2
28,29	Discharge-Tailwater Elevation table	MASTER2
29	Defines third lowest water year for a project's ARC computation	ARC
30,31	Approach Channel Elevation-Capacity table	MASTER2

30,31	Flow Diversion table	MASTER2
32,33	Approach Channel Capacity-Head Loss table	MASTER2
35,36	Head-Hydraulic Capacity table	MASTER2
37,38	Head-Efficiency table	MASTER2
38	31 July project target elevation	REFTEST
39	Project critical period H/K for storage energy refill test	REFTEST
41	Assured Refill Curve (ARC)	TDDATA,TDMODS
42	First year Critical Rule Curve (CRC1)	TDDATA,TDMODS
43	Second year Critical Rule Curve (CRC2)	TDDATA,TDMODS
44	Third year Critical Rule Curve (CRC3)	TDDATA,TDMODS
45	Fourth year Critical Rule Curve (CRC4)	TDDATA,TDMODS
46	Middle fish rule curve for meet-the-flow routines	TDDATA,TDMODS
47	Lowest fish rule curve for meet-the-flow routines	TDDATA,TDMODS
48	Lower Limit Variable Energy Content Curve (LLVECC)	TDDATA,TDMODS
49,50	Forebay Elevation-Allowable Flow table	MASTER2
51-59	Backwater Restriction table	MASTER2
60	Natural Flows	TDDATA,TDMODS
61-69	Downstream Forebay Restriction table	MASTER2
62	Mandatory Rule Curve (MRC) flood control	TDDATA,TDMODS
63	Variable Refill Curve (VRC)	TDDATA,TDMODS
70	Primary loads	TDDATA,TDMODS
71	Secondary loads	TDDATA,TDMODS
72	Project meet-the-flow targets	TDDATA,TDMODS
73	Load decrement	TDDATA,TDMODS
74	Fixed Rule Curve values	TDDATA,TDMODS
75	Load adjustment	TDDATA,TDMODS
76	Forced Spill	TDDATA,TDMODS
77	Forced spill percentage at a project	FISHSPIL
78	Spill limit	FISHSPIL
79	Spill specifications when spill varies during the course of the day	FISHSPIL
80	Project minimum flow below which listed projects should not spill	FISHSPIL
81	Period by period fixed spill to be used for all years at a project	FISHSPIL
85	Storage change (delta storage)	TDDATA,TDMODS
86	Target elevations at a project	TDDATA,TDMODS
88	Defines which projects contribute to a downstream target flow	HYSSR
88	Controls output to list Study Characteristics file	LISTCHAR
92	Evaporation	TDDATA,TDMODS
93	Grand Coulee pumping diversion	TDDATA,TDMODS
94	Local inflows	TDDATA,TDMODS
95	Variable Storage Lower Bounds	TDDATA,TDMODS
96	Starting elevation	TDDATA,TDMODS
97	Variable maximum release (VRUB)	TDDATA,TDMODS
98	Variable minimum release (VRLB)	TDDATA,TDMODS
99	Comments	most programs