

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9113

Exam Date: 8/30/2007

1. Current Owner: DISCOVERY COEUR D ALENE INVESTORS LLC
820 E SHERMAN AVE
COEUR D ALENE ID 83814
(208) 765-9034

2. Accompanied by: JIM MCPHILOMY

Phone No: 208-691-7223

Address: SAME AS ABOVE

Relationship to Permit Holder: EMPLOYEE

3. SOURCE

COEUR D ALENE LAKE

TRIBUTARY

SPOKANE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-9216
2. Other water rights with the same point of diversion: 95-9216

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

COEUR D ALENE LAKE L4 SE¼SE¼SE¼ Sec. 36, Twp 50N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS

2.

PLACE OF USE: MUNICIPAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N 03W 5					X L 2	X L 3	X	X	X	X	X	X			X	X	
49N 03W 6	X L 1			X L 2									X		X L 4		
49N 03W 7													X			X	
49N 03W 8	X	X	X	X	X	X	X	X	X	X	X	X	X				
50N 03W 31										X L 2							
50N 04W 36													X L 4				

Method of Determination:

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
	475 S600-7	60			475 gpm
	475 S600-7	60			475 gpm
	230 S300-9	30			230 gpm
	150 S200-9	20			150 gpm

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

See attached

E. FLOW CALCULATIONS

Measured Method:

____ Additional Computation Sheets Attached

See attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

N/A

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM WORKS WITH WATER RIGHT 95-9216 FOR A TOTAL DIVERSION OF 2 CFS. THIS RIGHT COVERS 1 CFS AND RIGHT 95-9216 COVERS 1 CFS. THE SYSTEM HAS 4 PUMPS SUBMERGED IN LAKE COEUR D'ALENE. THE PUMPS ARE SET TO RUN AT A MAX OF 900 GPM THIS IS CONTROLLED BY A COMPUTER SYSTEM. THE PLACE OF USE IS THE GOZZER RANCH GOLF AND LAKE CLUB.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
MUNICIPAL	01/01 to 12/31	1.000 CFS
<u>Totals:</u>		1.000 CFS

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name

Date 11-21-07

Reviewer

Date 11/23/07



WATER SYSTEM CONSUMPTION

GOZZER RANCH

95-9113

MONTH:

May, 2007

DAY	POND USAGE	WTP USAGE	TOTAL	GPM	GCP %	WTP %
1			0	0	#DIV/0!	#DIV/0!
2			0	0	#DIV/0!	#DIV/0!
3			0	0	#DIV/0!	#DIV/0!
4			0	0	#DIV/0!	#DIV/0!
5			0	0	#DIV/0!	#DIV/0!
6			0	0	#DIV/0!	#DIV/0!
7			0	0	#DIV/0!	#DIV/0!
8			0	0	#DIV/0!	#DIV/0!
9			0	0	#DIV/0!	#DIV/0!
10			0	0	#DIV/0!	#DIV/0!
11			0	0	#DIV/0!	#DIV/0!
12			0	0	#DIV/0!	#DIV/0!
13			0	0	#DIV/0!	#DIV/0!
14			0	0	#DIV/0!	#DIV/0!
15			0	0	#DIV/0!	#DIV/0!
16			0	0	#DIV/0!	#DIV/0!
17	982,105	211,039	1,193,144	829	82.31%	17.69%
18	707,791	66,410	774,201	538	91.42%	8.58%
19	1,052,179	29,875	1,082,054	751	97.24%	2.76%
20	803,773	27,428	831,201	577	96.70%	3.30%
21	19,373	32,368	51,741	36	37.44%	62.56%
22	65,179	38,714	103,893	72	62.74%	37.26%
23	92,267	51,395	143,662	100	64.23%	35.77%
24	674,206	47,230	721,436	501	93.45%	6.55%
25	1,000,271	31,053	1,031,324	716	96.99%	3.01%
26	852,468	30,952	883,420	613	96.50%	3.50%
27	518,078	57,238	575,316	400	90.05%	9.95%
28	356,609	88,994	445,603	309	80.03%	19.97%
29	600,949	23,435	624,384	434	96.25%	3.75%
30	709,199	48,252	757,451	526	93.63%	6.37%
31	635,307	77,628	712,935	495	89.11%	10.89%

TOTAL GCP USAGE	TOTAL WTP USAGE	TOTAL USAGE	AVERAGE GPM	AVERAGE GCP %	AVERAGE WTP %
9,069,754	862,011	9,931,765	460	91.32%	8.68%



WATER SYSTEM CONSUMPTION

GOZZER RANCH

95-9113

MONTH:

June, 2007

DAY	POND USAGE	WTP USAGE	TOTAL	GPM	GCP %	WTP %
1	635,307	77,628	712,935	495	89.11%	10.89%
2	747,489	98,826	846,315	588	88.32%	11.68%
3	875,593	32,422	908,015	631	96.43%	3.57%
4	305,243	141,012	446,255	310	68.40%	31.60%
5	6,218	58,820	65,038	45	9.56%	90.44%
6	7,040	61,438	68,478	48	10.28%	89.72%
7	6,431	62,016	68,447	48	9.40%	90.60%
8	12,084	106,112	118,196	82	10.22%	89.78%
9	10,555	85,571	96,126	67	10.98%	89.02%
10	5,884	39,814	45,698	32	12.88%	87.12%
11	11,557	101,201	112,758	78	10.25%	89.75%
12	26,025	129,309	155,334	108	16.75%	83.25%
13	354,833	93,682	448,515	311	79.11%	20.89%
14	568,839	123,823	692,662	481	82.12%	17.88%
15	391,688	109,457	501,145	348	78.16%	21.84%
16	334,139	104,370	438,509	305	76.20%	23.80%
17	5,861	39,583	45,444	32	12.90%	87.10%
18	172,817	124,534	297,351	206	58.12%	41.88%
19	615,291	112,410	727,701	505	84.55%	15.45%
20	734,886	115,170	850,056	590	86.45%	13.55%
21	272,447	131,028	403,475	280	67.53%	32.47%
22	801,778	125,019	926,797	644	86.51%	13.49%
23	776,588	110,252	886,840	616	87.57%	12.43%
24	449,145	53,847	502,992	349	89.29%	10.71%
25	893,395	135,010	1,028,405	714	86.87%	13.13%
26	942,886	157,258	1,100,144	764	85.71%	14.29%
27	1,032,949	161,304	1,194,253	829	86.49%	13.51%
28	972,407	153,928	1,126,335	782	86.33%	13.67%
29	935,809	161,326	1,097,135	762	85.30%	14.70%
30	1,139,013	97,648	1,236,661	859	92.10%	7.90%
31			0	0	#DIV/0!	#DIV/0!

TOTAL GCP USAGE	TOTAL WTP USAGE	TOTAL USAGE	AVERAGE GPM	AVERAGE GCP %	AVERAGE WTP %
14,044,197	3,103,818	17,148,015	397	81.90%	18.10%



WATER SYSTEM CONSUMPTION

GOZZER RANCH

95-9113

MONTH:

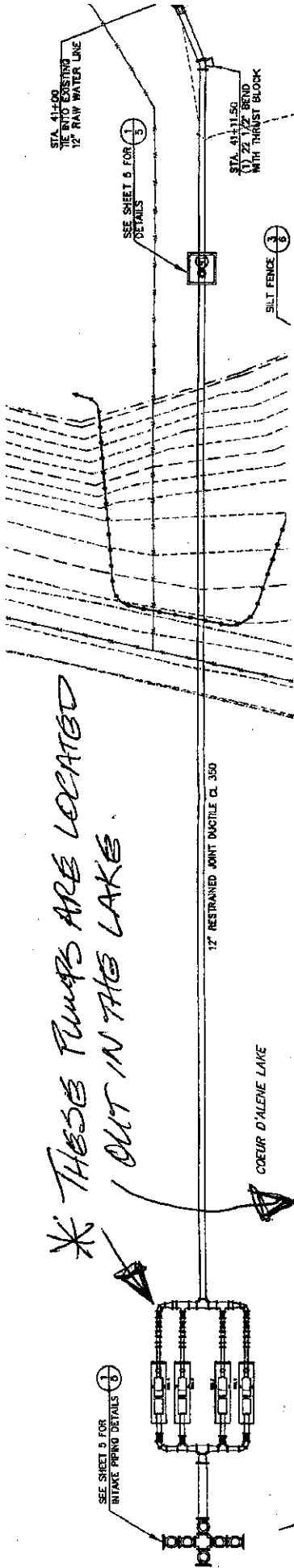
July, 2007

DAY	POND USAGE	WTP USAGE	TOTAL	GPM	GCP %	WTP %
1	421,163	78,220	499,383	347	84.34%	15.66%
2	700,133	163,577	863,710	600	81.06%	18.94%
3	852,379	151,799	1,004,178	697	84.88%	15.12%
4	999,637	153,533	1,153,170	801	86.69%	13.31%
5	979,652	162,808	1,142,460	793	85.75%	14.25%
6	997,715	145,035	1,142,750	794	87.31%	12.69%
7	972,028	147,838	1,119,866	778	86.80%	13.20%
8	1,033,284	86,034	1,119,318	777	92.31%	7.69%
9	968,168	154,966	1,123,134	780	86.20%	13.80%
10	932,256	200,174	1,132,430	786	82.32%	17.68%
11	931,775	194,077	1,125,852	782	82.76%	17.24%
12	956,168	168,479	1,124,647	781	85.02%	14.98%
13	967,737	161,789	1,129,526	784	85.68%	14.32%
14	974,226	153,683	1,127,909	783	86.37%	13.63%
15	1,015,172	97,002	1,112,174	772	91.28%	8.72%
16	914,845	191,283	1,106,128	768	82.71%	17.29%
17	917,932	193,349	1,111,281	772	82.60%	17.40%
18	924,156	194,833	1,118,989	777	82.59%	17.41%
19	563,425	131,744	695,169	483	81.05%	18.95%
20	435,612	174,172	609,784	423	71.44%	28.56%
21	95,549	102,770	198,319	138	48.18%	51.82%
22	764,895	83,178	848,073	589	90.19%	9.81%
23	954,547	168,797	1,123,344	780	84.97%	15.03%
24	786,426	166,726	953,152	662	82.51%	17.49%
25	929,868	172,971	1,102,839	766	84.32%	15.68%
26	523,363	171,505	694,868	483	75.32%	24.68%
27	877,319	168,965	1,046,284	727	83.85%	16.15%
28	1,000,877	157,966	1,158,843	805	86.37%	13.63%
29	1,078,835	84,857	1,163,692	808	92.71%	7.29%
30	946,645	175,978	1,122,623	780	84.32%	15.68%
31	867,566	190,191	1,057,757	735	82.02%	17.98%

TOTAL GCP USAGE	TOTAL WTP USAGE	TOTAL USAGE	AVERAGE GPM	AVERAGE GCP %	AVERAGE WTP %
26,263,353	4,748,299	31,031,652	695	84.70%	15.30%

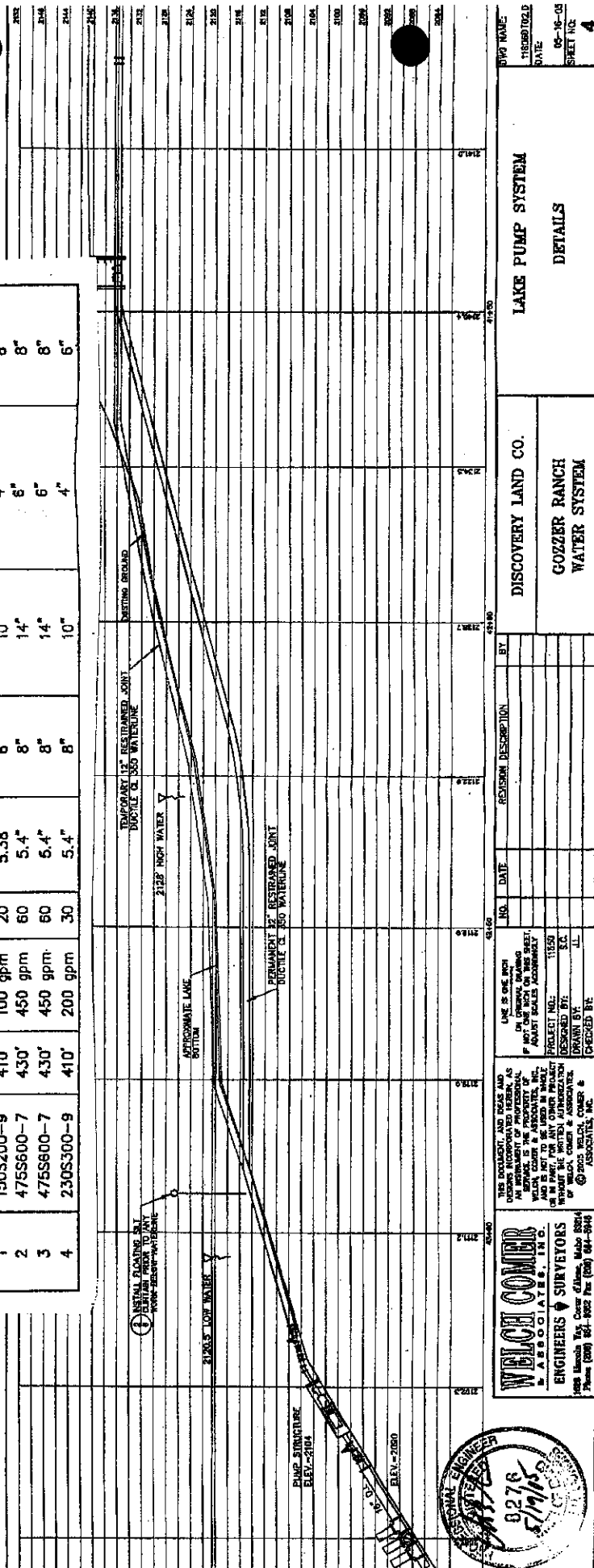
95-9113

* THESE PUMPS ARE LOCATED
OUT IN THE LAKE.



WELL SPECIFICATION TABLE

WELL	MODEL	THD	DESIGN	HP	MOTOR OD	SHROUD ID	WELL CASING (IN)	RISER PIPE/CHECK VALVE DIAM. (IN)	PUMP DIAM. (IN)
1	150S200-9	410'	100 gpm	20	5.38"	6"	10"	4"	6"
2	475S800-7	430'	450 gpm	60	5.4"	8"	14"	6"	8"
3	475S800-7	430'	450 gpm	60	5.4"	8"	14"	6"	8"
4	230S300-9	410'	200 gpm	30	5.4"	8"	10"	4"	6"



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NO. DATE REVISION DESCRIPTION BY

DISCOVERY LAND CO.
GOZZER RANCH
WATER SYSTEM

LAKE PUMP SYSTEM
DETAILS

DATE 08-16-08
SHEET NO. 4

PERFORMANCE CURVES

475 GPM

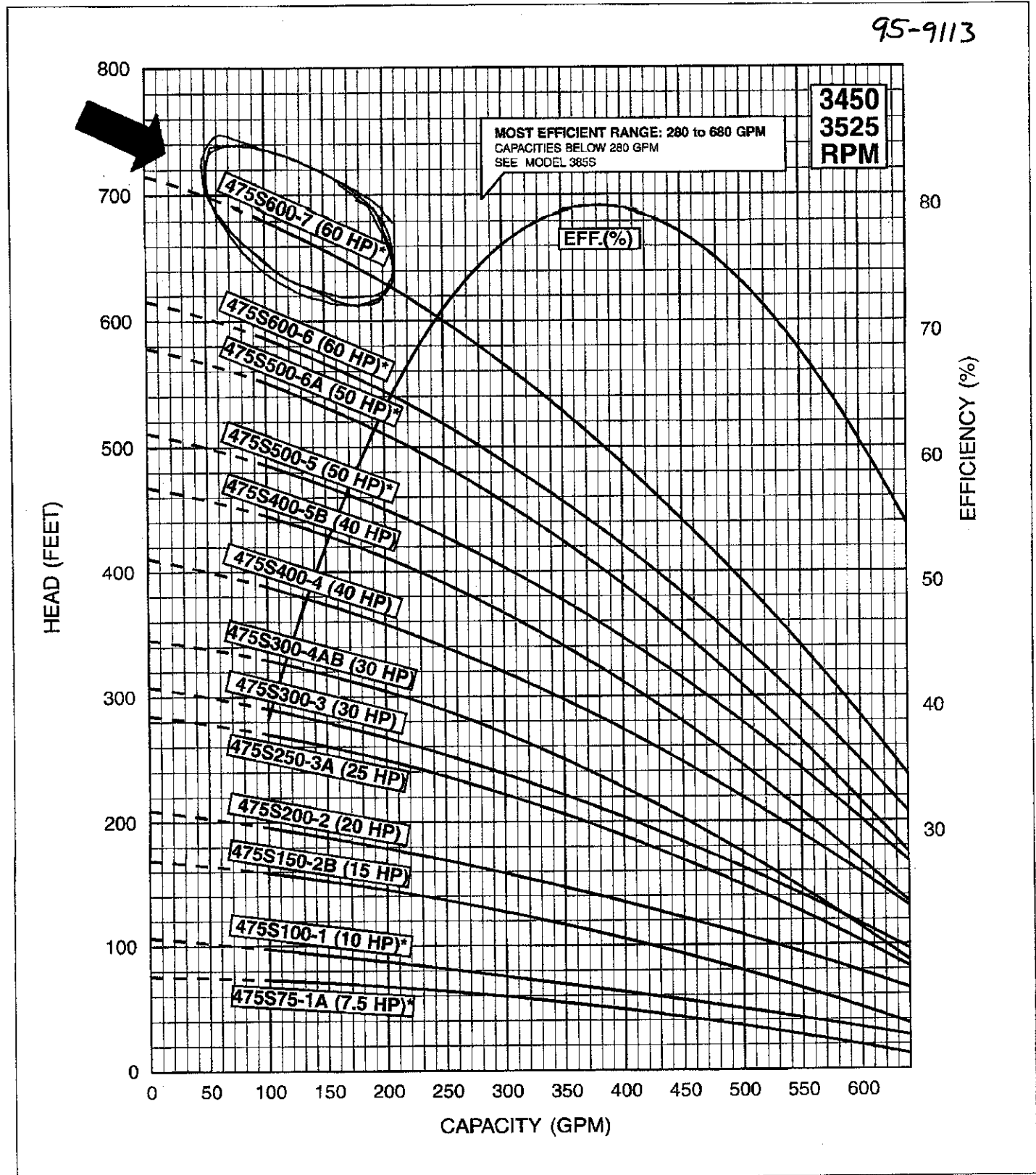
MODEL 475S

FLOW RANGE: 95 - 680 GPM

OUTLET SIZE: 6" NPT

NOMINAL DIA. 8"

95-9113



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

6" MOTOR STANDARD, 10-60 HP/3450 RPM.

8" MOTOR STANDARD, 75-125 HP/3525 RPM.

* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 8 ft. min. submergence.

PERFORMANCE CURVES

230 GPM

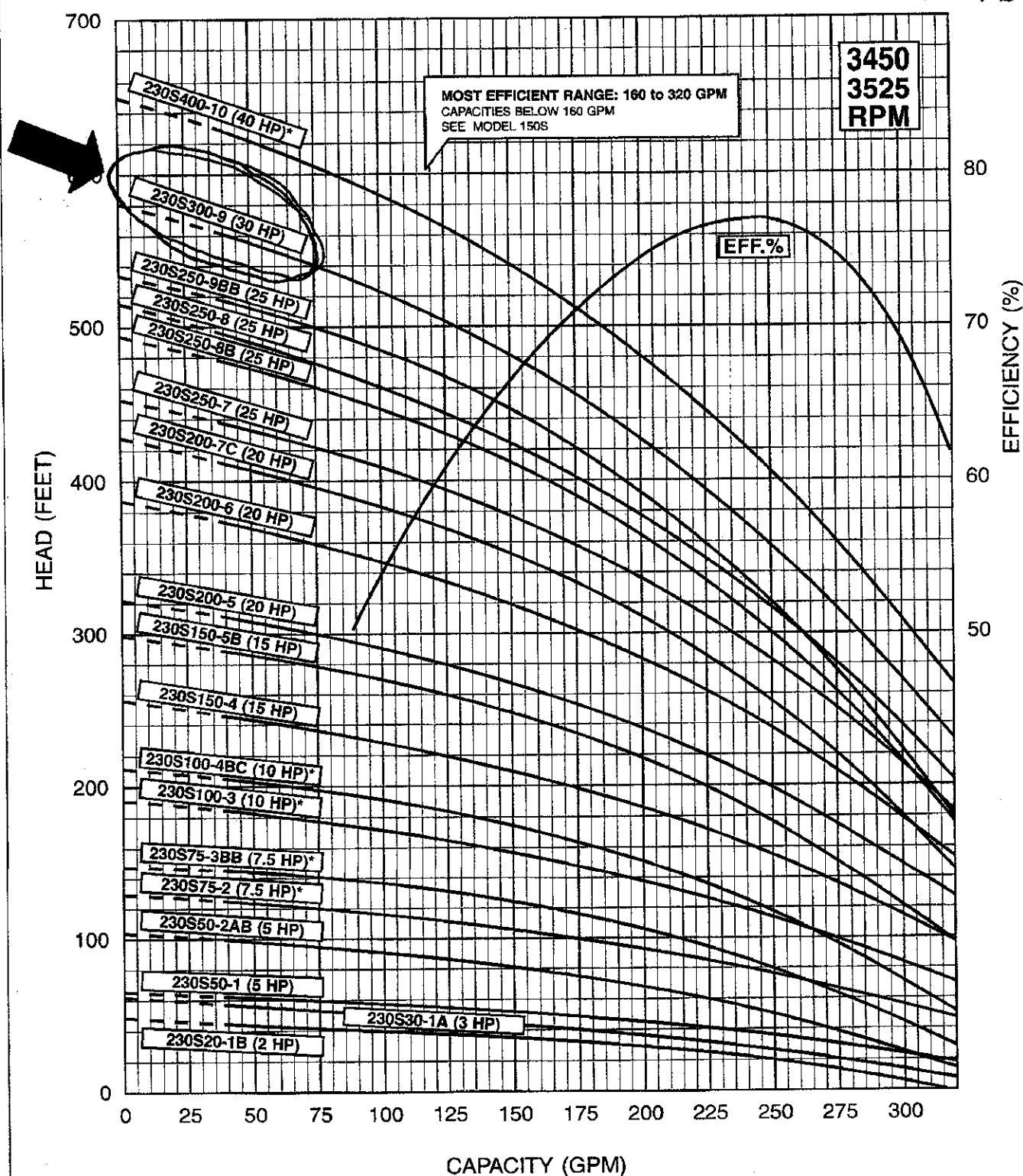
MODEL 230S

FLOW RANGE: 160 -320 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"

95-9/13



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 7.5 HP/3450 RPM

6" MOTOR STANDARD, 10-60 HP/3450 RPM.

8" MOTOR STANDARD, 75 HP/3525 RPM.

* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 8 ft. min. submergence.

PERFORMANCE CURVES

150 GPM

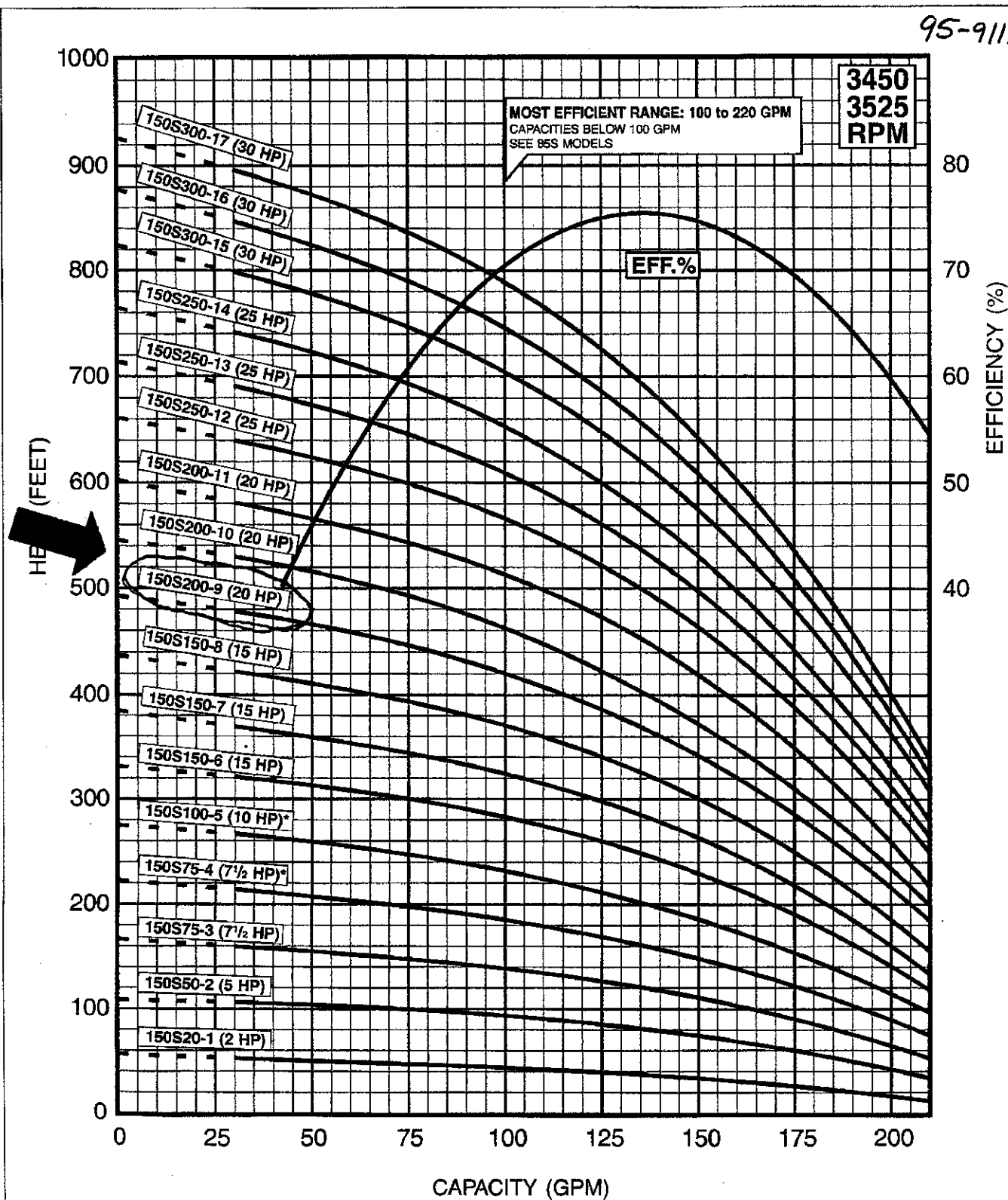
MODEL 150S

FLOW RANGE: 30 -220 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"

95-9113



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 2-10 HP/3450 RPM
 6" MOTOR STANDARD, 7.5-60 HP/3450 RPM.
 8" MOTOR STANDARD, 75 HP/3525 RPM.

* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
 @ 5 ft. min. submergence.