Substation Arc-Flash (In Open Air)

Eblen (Adj Exponent Heat Flux)

Nominal Rating *(see Note a)*	Blue-Bk Fault Curr (max kA)	Adj Exp Heat Flux *at the smallest possible MAD* (cal/cm²/sec)	Clearing Time (sec)	Incident Energy *at the smallest possible MAD* (cal/cm²)	14 cal/cm² Distance	8 cal/cm² Distance	Limited-Approach Boundary	1.2 cal/cm² Arc-Flash Boundary
				QUALIFIED PERSON Select *Applicable AF Working Dist,* compare with *APM Rule M-1 MAD,* select *MAX* of the two distances.			**UNQUALIFIED PERSON** Select *MAX Boundary*	
5.1 to 15 kVac	75.0	115.77	2.00	**231.5**	8'-4"	10'-11"	10'	27'-11"
18 to 34.5 kVac	75.0	123.80	2.00	**247.6**	9'-9"	12'-9"	10'	32'-5"
46 to 69 kVac	75.0	90.98	2.00	**182.0**	10'-2"	13'-3"	10'	33'-2"
100 to 115 kVac	75.0	201.44	0.28	**57.1**	5'-2"	6'-6"	15'	15'-0"
138 kVac	75.0	185.37	0.28	**52.5**	5'-2"	6'-4"	15'	14'-2"
161 kVac	75.0	198.58	0.28	**56.3**	5'-9"	7'-0"	15'	15'-7"
230 kVac	75.0	262.41	0.22	**56.9**	6'-6"	7'-11"	15'	16'-8"
287 kVac	75.0	731.85	0.22	**158.6**	8'-4"	9'-10"	15'	20'-0"
300 to 345 kVac	75.0	320.18	0.22	**69.4**	8'-6"	10'-2"	15'	20'-9"
525 kVac (all designs)	75.0	490.16	0.20	**98.0**	11'-1"	13'-0"	20'	25'-2"
525 kVac (series caps)	75.0	69.73	0.20	**13.9**	11'-3"	13'-2"	20'	25'-7"
80 kVdc (neut bus)	15.6	10.56	0.500	**5.3**	2'-4"	2'-10"	20'	6'-3"
400 kVdc	15.6	20.53	0.500	**10.3**	7'-2"	8'-2"	20'	14'-8"
448 kVdc	15.6	27.05	0.500	**13.5**	8'-9"	9'-11"	20'	17'-2"
500 kVdc	15.6	14.62	0.500	**7.3**	8'-11"	10'-0"	20'	17'-6"
520 kVdc	15.6	11.65	0.500	**5.8**	8'-10"	9'-11"	20'	17'-4"
565 kVdc	15.6	7.85	0.500	**3.9**	8'-10"	9'-11"	20'	17'-3"

STEPS

1 **SubStation Arc-Flash tab**: Filter for appropriate **Nominal Rating** (column A)

2 **Blue-Book Data tab**: If dealing with HVDC (kVdc): no Blue-Bk data exists / worst-case fault curr & clearing time combo already listed / jump to step 3.

- **A** Filter for appropriate substation **BUS** location. *The Blue-Book has no 287-kV bus, because the only 287-kV part of the system is the Olympia - G.Coulee No. 1 which is a transformer-terminated line.*
- **B** Filter for appropriate **KV**

3 **SubStation Arc-Flash tab**: To protect individuals from shock AND arc-flash hazards, select the *MAX of Applicable AF Working Distance & Applicable APM Rule M-1 MAD* (QUALIFIED PERSON) and *MAX Boundary* (UNQUALIFIED PERSON)

NOTES & EQUATIONS

Blue-Bk Fault Curr (max kA): See info under "STEPS" 2A-2B. *For HVDC,* no Blue-Bk info is available - value is taken from ABB test reports for new Conv 1 & 2 equipment.
Adj Exp Heat Flux *at the smallest possible MAD* (cal/cm²/sec): Conservative curves generated by Marcia Eblen. Equations are listed under **HeatFLux.Eblen** tab.
Clearing time: Reasonable clearing time as determined by BPA or industry-recognized SME's.

Incident Energy *at the smallest possible MAD* (cal/cm²) = Adj Exponent Heat flux (cal/cm²/sec) x clearing time (sec). Calculated at the closest distance that workers will ever get (taking into account elevation and Hold Order status), generates worst-case. **Workers must still use APM Rule M-1, Tables A-C to determine the appropriate MAD for shock protection.**

14 cal/cm² Distance = [(2*ArcGap$_{(in)}$) + (Dist to arc$_{(in)}$ * SQRT (Incident Energy/14))] / 12.

8 cal/cm² Distance = [(2*ArcGap$_{(in)}$) + (Dist to arc$_{(in)}$ * SQRT (Incident Energy/8))] / 12.

Limited-Approach Boundary: Provides shock protection for UNQUALIFIED PERSON.

1.2 cal/cm² Arc-Flash Boundary = [(2*ArcGap$_{(in)}$) + (Dist to arc$_{(in)}$ * SQRT (Incident Energy/1.2))] / 12. Provides arc-flash protection for UNQUALIFIED PERSON.
AF Boundary is the distance at which Incident Energy is 1.2 cal/cm² (onset of 2nd degree burns). Going inside the arc-flash boundary requires Arc-Flash PPE.

Note (a) For voltages 5-kV & below - request an Arc-Flash study prior to performing energized work.

Transmission Line Arc-Flash (In Open Air)

Eblen (Adj Exponent Heat Flux)

QUALIFIED PERSON
Select *Applicable AF Working Dist,* compare with *APM Rule M-1 MAD,* select *MAX* of the two distances.

UNQUALIFIED PERSON
Select *MAX Boundary*

Nominal Rating *(see Note a)*	Blue-Bk Fault Curr (max kA)	Adj Exp Heat Flux *at the smallest possible MAD* (cal/cm²/sec)	Clearing Time (sec)	Incident Energy *at the smallest possible MAD* (cal/cm²)	14 cal/cm² Distance	8 cal/cm² Distance	Limited-Approach Boundary	1.2 cal/cm² Arc-Flash Boundary
5.1 to 15 kVac	75.0	115.77	2.00	**231.5**	8'-4"	10'-11"	10'	27'-11"
18 to 34.5 kVac	75.0	123.80	2.00	**247.6**	9'-9"	12'-9"	10'	32'-5"
46 to 69 kVac	75.0	90.98	2.00	**182.0**	10'-2"	13'-3"	10'	33'-2"
100 to 115 kVac	75.0	201.44	0.28	**57.1**	5'-2"	6'-6"	15'	15'-0"
138 kVac	75.0	185.37	0.28	**52.5**	5'-2"	6'-4"	15'	14'-2"
161 kVac	75.0	198.58	0.28	**56.3**	5'-9"	7'-0"	15'	15'-7"
230 kVac	75.0	262.41	0.22	**56.9**	6'-6"	7'-11"	15'	16'-8"
287 kVac	75.0	731.85	0.22	**158.6**	8'-4"	9'-10"	15'	20'-0"
300 to 345 kVac	75.0	320.18	0.22	**69.4**	8'-6"	10'-2"	15'	20'-9"
525 kVac (all designs)	75.0	490.16	0.20	**98.0**	11'-1"	13'-0"	20'	25'-2"
525 kVac (series caps)	75.0	69.73	0.20	**13.9**	11'-3"	13'-2"	20'	25'-7"
80 kVdc (metallic return)	23.9	18.98	0.304	**5.8**	2'-5"	2'-11"	20'	6'-6"
400 kVdc	23.9	35.18	0.304	**10.7**	7'-3"	8'-3"	20'	14'-10"
448 kVdc	23.9	46.57	0.304	**14.2**	8'-10"	10'-0"	20'	17'-5"
500 kVdc	23.9	25.28	0.304	**7.7**	9'-0"	10'-2"	20'	17'-10"
520 kVdc	23.9	19.96	0.304	**6.1**	8'-11"	10'-1"	20'	17'-7"
565 kVdc	23.9	13.51	0.304	**4.1**	8'-11"	10'-0"	20'	17'-7"

STEPS

1 **TransLine Arc-Flash tab**: Filter for appropriate **Nominal Rating** (column A)
2 **Blue-Book Data tab**: If dealing with HVDC (kVdc): no Blue-Bk data exists / max fault current is already listed / jump to step 3.
   - **A** Filter for appropriate **BUS** locations that correspond to *ALL terminals associated with the line* that the crew will be working on. *The only 287-kV line is the Olympia - G.Coulee No. 1 which is transformer-terminated. For this line, filter using Olympia & G.Coulee 230-kV buses.*
   - **B** Filter for appropriate **KV**
3 **TransLine Arc-Flash tab**:
   - **A** To protect individuals from shock AND arc-flash hazards, select the *MAX of Applicable AF Working Distance & Applicable APM Rule M-1 MAD* (QUALIFIED PERSON) and *MAX Boundary* (UNQUALIFIED PERSON)
   - **B** For **unworkable distances at 14 cal/cm² or 8 cal/cm²** (QUALIFIED PERSON):
     1. Contact SPC to get actual ASPEN fault magnitude (kA) at the worksite.
     2. Enter that number (kA) column E, "**Blue-Bk Fault Curr (max kA)**" to determine **Incident Energy (cal/cm²)** & **Arc-Flash Boundary (ft)**

NOTES & EQUATIONS

Blue-Bk Fault Curr (max kA): See info under "STEPS" 2A-2B. *For HVDC,* no Blue-Bk info is available - value is taken from ABB test reports for new Conv 1 & 2 equipment.
Adj Exp Heat Flux *at the smallest possible MAD* (cal/cm²/sec): Conservative curves generated by Marcia Eblen. Equations are listed under **HeatFLux.Eblen** tab.
Clearing time: Reasonable clearing time as determined by BPA or industry-recognized SME's.

Incident Energy *at the smallest possible MAD* (cal/cm²) = Adj Exponent Heat flux (cal/cm²/sec) x clearing time (sec). Calculated at the closest distance that workers will ever get (taking into account elevation and Hold Order status), generates worst-case. **Workers must still use APM Rule M-1, Tables A-C to determine the appropriate MAD for shock protection.**

14 cal/cm² Distance = [(2*$ArcGap_{(in)}$) + (Dist to $arc_{(in)}$ * SQRT (Incident Energy/14))] / 12.
8 cal/cm² Distance = [(2*$ArcGap_{(in)}$) + (Dist to $arc_{(in)}$ * SQRT (Incident Energy/8))] / 12.

Limited-Approach Boundary: Provides shock protection for UNQUALIFIED PERSON.
1.2 cal/cm² Arc-Flash Boundary = [(2*$ArcGap_{(in)}$) + (Dist to $arc_{(in)}$ * SQRT (Incident Energy/1.2))] / 12. Provides arc-flash protection for UNQUALIFIED PERSON.
AF Boundary is the distance at which Incident Energy is 1.2 cal/cm² (onset of 2nd degree burns). Going inside the arc-flash boundary requires Arc-Flash PPE.

Note (a) For voltages 5-kV & below - request an Arc-Flash study prior to performing energized work.

Arc-Flash (Enclosure)

Elben (IEEE 1584 Conservative Derived / EPRI PMH Formula)

Nominal Rating & Equipment Type	Blue-Bk Fault Curr (max kA)	Heat Flux *at 48 inches* (cal/cm²/sec)	Clearing Time (sec)	QUALIFIED PERSON — Select *MAX Applic Working Dist*: Incident Energy *at 48 inches* (cal/cm²)	Dist to Arc	8 cal/cm² Distance	UNQUALIFIED PERSON — Select *MAX Boundary*: Limited-Approach Boundary	1.2 cal/cm² Arc-Flash Boundary
1 kV to 15 kV - dead-front with separable elbows (circuits *are not accessible* when enclosure is open)	75.0	99.6	0.50	**49.8**	4'-0"	10'-0"	10'	25'-9"
1 kV to 15 kV - live-front terminations (circuits *are accessible* when enclosure is open)	75.0	298.9	0.50	**149.5**	4'-0"	17'-3"	10'	44'-8"
1 kV to 15 kV - rackable metal-clad breakers	75.0	398.5	0.50	**199.3**	4'-0"	20'-0"	10'	51'-7"
1 kV to 15 kV - pad-mounted / fused switches (circuits *may be accessible* when enclosure is open)	75.0	N/A	0.50	**266.5**	4'-0"	23'-1"	10'	59'-7"

STEPS

1. **Arc-Flash (enclosure) tab**: Filter for appropriate **Nominal Rating & Equipment Type** (column A)
2. **Blue-Book Data tab**:
   - **A** Filter for appropriate substation **BUS** location.
   - **B** Filter for appropriate **KV**
3. **Arc-Flash (enclosure) tab**: To protect individuals from shock AND arc-flash hazards, select the *MAX Applicable Working Distance* (QUALIFIED PERSON) and *MAX Boundary* (UNQUALIFIED PERSON)

NOTES & EQUATIONS

Blue-Bk Fault Curr (max kA): See info under "STEPS" 2A-2B.
Heat Flux *at 48 inches* (cal/cm²/sec): Conservative curves generated by Marcia Eblen. Equations are listed under **HeatFLux.Eblen** tab.
Clearing time: Reasonable clearing time as determined by BPA or industry-recognized SME's.

Incident Energy *at 48 inches* (cal/cm²):
Dead-front, live-front, rackable ckt bkr: Heat flux (cal/cm2/sec) x clearing time (sec)
Pad-mount fused switch: [3547] x [Fault Curr (kA)$^{\wedge 1.5}$] x [Clearing Time (sec)$^{\wedge 1.35}$] / [Dist to Arc (inches)$^{\wedge 2.1}$]
Dist to Arc: selected to be 4'-0" inches as per discussion with Jim Cramer & Marcia Eblen (shock protection).
8 cal/cm² Distance = [Dist to $arc_{(in)}$ * SQRT (Incident Energy/8)] / 12.

Limited-Approach Boundary: Provides shock protection for UNQUALIFIED PERSON.
1.2 cal/cm² Arc-Flash Boundary = [Dist to $arc_{(in)}$ * SQRT (Incident Energy/1.2)] / 12. Provides arc-flash protection for UNQUALIFIED PERSON.
AF Boundary is the distance at which Incident Energy is 1.2 cal/cm² (onset of 2nd degree burns). Going inside the arc-flash boundary requires Arc-Flash PPE.

Blue Book Data - AC Fault Currents

Fault Duty (Blue Book): link **2017.12.28** **Max fault curr for selected sites (kA)** 75.0

BUS	KV	LOCATION	AREA	ZONE	PF V PU	3PH(amps)	Gnd Cur	3PH MVA	X/R	2LG(ph amps)	2LG(gnd amps)	MVA	X/R	1LG(amps)	Gnd Cur	MVA	X/R	X/R	L-L(amps)	Gnd Cur	MVA	X/R	R1(ohm)	R1(pu)	X1(ohm)	X1(pu)	R2(ohm)	X2(ohm)	R0(ohm)	R0(pu)	X0	X0(ohm)	X0(pu)	Max fault curr (kA)
10TH ST	115	10TH ST	4	1	1.10	13099.8	0	2609.3	7.4	11827.5	6750.7	2355.9	7.4	8884.9	8884.9	1769.8	7.2	7.2	11313.0	0	2253.4	7.4	0.74624	0.00564	5.52593	0.04178	0.74879	5.55719	1.88279	0.01424	13.3483	13.34830	0.10093	13.1
2ND ST-NWC	115	2ND ST-N	22	1	1.07	18486.9	0	3682.3	11.7	17344.9	12184.7	3454.9	10.9	14706.3	14706.3	2929.3	9.3	9.3	16027.3	0	3192.4	11.7	0.32672	0.00247	3.83469	0.02900	0.32648	3.82644	0.89127	0.00674	6.77032	6.77032	0.05119	18.5
3-MILE NWC	115	3 MILE-N	22	1	1.07	14807.4	0	2949.4	6.7	13538.8	8399.3	2696.7	6.6	10730.5	10730.5	2137.4	6.4	6.4	12837.8	0	2557.1	6.7	0.70922	0.00536	4.74819	0.03590	0.70873	4.73752	1.62886	0.01232	10.1539	10.15390	0.07678	14.8
3-MileTp-NWC	115	3 MILE-N	22	1	1.07	17394.6	0	3464.8	12.5	16160.2	10544.4	3218.9	11.5	13149.0	13149	2619.1	9.6	9.6	15083.9	0	3004.5	12.5	0.32699	0.00247	4.07369	0.03080	0.32651	4.06302	1.0218	0.00773	7.99551	7.99551	0.06046	17.4
3MILEKNOLL	138		72	9	1.03	14290.1	0	3415.7	8.9	14028.0	13031.7	3353	8.6	13602.4	13602.4	3251.3	8.2	8.2	12348.5	0	2951.6	8.7	0.64281	0.00338	5.70883	0.02998	0.67675	5.73027	0.86871	0.00456	6.5342	6.53420	0.03431	14.3
451 B	115	451B	25	3	1.04	13070.1	0	2603.4	5.4	11991.2	7201.7	2388.5	5.5	9277.8	9277.8	1848	6.2	6.2	11306.8	0	2252.2	5.4	0.96466	0.00729	5.17664	0.03914	0.96566	5.18806	1.63447	0.01236	11.6022	11.60220	0.08773	13.1
ABERDEEN	115	ABER	10	3	1.07	15602.5	0	3107.8	9.3	18208.3	23579.2	3626.8	10.3	18749.1	18749.1	3734.6	10.5	10.5	13489.1	0	2686.8	9.2	0.48868	0.00370	4.52232	0.03420	0.49268	4.53756	0.09669	0.00073	2.2446	2.24460	0.01697	23.6
ABERDEEN BK4	13.2	Bk4 tert	10	3	1.07	44777.7	0	1023.8	15.9	38754.2	0.0	886	15.9	0.0	0	0	364.8	N/A	38754.2	0	886	15.9	0.01142	0.00655	0.18155	0.10420	0.01147	0.18178	0	0.00000	-5.00E+07	0.00000	0.00000	44.8
ABERDEEN BK4	230	ABER	10	3	1.07	8166.5	0	3253.3	8.6	8363.1	8400.4	3331.6	9.4	8274.2	8274.2	3296.2	10.3	10.3	7064.5	0	2814.3	8.6	2.00798	0.00380	17.2688	0.03264	2.02009	17.3065	0.93088	0.00176	16.662	16.66200	0.03150	8.4
ABERDEEN BK5	13.8	Bk5 tert	10	3	1.07	51935.3	0	1241.4	18.5	44943.9	0.0	1074.3	18.4	0.0	0	0	383.6	N/A	44943.9	0	1074.3	18.4	0.00885	0.00465	0.16374	0.08598	0.00892	0.16398	0	0.00000	-5.00E+07	0.00000	0.00000	51.9
ABERDEEN BK5	230	ABER	10	3	1.07	8335.6	0	3320.7	10.3	8434.0	8502.0	3359.9	10.7	8409.2	8409.2	3350	11.2	11.2	7211.1	0	2872.7	10.2	1.65058	0.00312	16.9524	0.03205	1.66178	16.9883	1.19437	0.00226	16.5089	16.50890	0.03121	8.5
ACORD TAP	115	T 18/2-3	25	3	1.04	7076.9	0	1409.6	3.3	6609.5	3927.6	1316.5	3.5	5049.8	5049.8	1005.9	4.3	4.3	6119.9	0	1219	3.3	2.78592	0.02107	9.31157	0.07041	2.79784	9.33742	3.6468	0.02758	21.1572	21.15720	0.15998	7.1
ACTON	13.8	ACTN	2	3	1.11	3026.1	0	72.3	15.7	3047.7	3104.7	72.8	15.8	3064.9	3064.9	73.3	15.9	15.9	2620.7	0	62.6	15.7	0.18589	0.09761	2.92056	1.53359	0.18592	2.92056	0.17324	0.09097	2.81	2.81000	1.47553	3.1
ACTON	115	ACTN	2	3	1.06	9983.7	0	1988.6	8.7	11298.5	13952.5	2250.5	9.7	11640.4	11640.4	2318.6	10	10	8645.8	0	1722.1	8.7	0.8034	0.00607	7.02473	0.05312	0.80515	7.02495	0.19638	0.00148	4.05309	4.05309	0.03065	14.0
ADAIR	115	ADAR	3	3	1.07	8597.4	0	1712.5	4.7	7941.1	4795.8	1581.8	4.9	6161.5	6161.5	1227.3	5.6	5.6	7448.6	0	1483.7	4.7	1.7294	0.01308	8.11557	0.06137	1.73066	8.10836	2.66151	0.02012	17.9674	17.96740	0.13586	8.6
ADAIR BK1	12.5	Bk1 tert	3	3	1.07	4957.0	0	107.3	82.0	4293.0	0.0	92.9	81.9	0.0	0	0	15495.2	N/A	4293.0	0	92.9	81.9	0.01904	0.01219	1.5609	0.99898	0.01906	1.56082	0	0.00000	-5.00E+07	0.00000	0.00000	5.0
ADAIR-CPI	69	ADAR	3	3	1.07	4204.6	0	502.5	8.1	4194.0	4086.6	501.2	8.3	4145.3	4145.3	495.4	8.5	8.5	3641.7	0	435.2	8.1	1.23815	0.02601	10.0844	0.21181	1.23858	10.082	1.13124	0.02376	10.5387	10.53870	0.22135	4.2
ADDY	115	ADDY	16	3	1.05	10749.1	0	2141.1	10.3	9785.7	5537.9	1949.2	9.9	7320.9	7320.9	1458.2	8.9	8.9	9322.5	0	1856.9	10.3	0.62372	0.00472	6.43369	0.04865	0.62278	6.41496	1.94796	0.01473	15.4439	15.44390	0.11678	10.7
ADDY	230	ADDY	16	3	1.05	7214.0	0	2873.9	11.0	6574.9	3644.7	2619.3	10.3	4840.6	4840.6	1928.4	8.4	8.4	6243.7	0	2487.3	10.9	1.75389	0.00332	19.2282	0.03635	1.76668	19.2509	6.65717	0.01258	47.2435	47.24350	0.08931	7.2
ADDY A141	230	A-141	16	3	1.04	3463.4	0	1379.7	8.1	3144.5	1805.0	1252.7	7.9	2371.4	2371.4	944.7	7.4	7.4	2997.1	0	1194	8.1	4.91729	0.00930	39.7357	0.07511	4.94003	39.793	13.5981	0.02571	94.3202	94.32020	0.17830	3.5
ADDY A187	230	A-187	16	3	1.05	7225.2	0	2878.3	11.1	6585.8	3647.4	2623.6	10.4	4845.6	4845.6	1930.3	8.5	8.5	6253.3	0	2491.1	11.1	1.7258	0.00326	19.2007	0.03630	1.73876	19.2236	6.62905	0.01253	47.2193	47.21930	0.08926	7.2
AHSAHKA	24.9		18	1	1.03	3460.8	0	149.3	10.4	3547.5	3783.1	153	10.5	3611.9	3611.9	155.8	10.6	10.6	2994.8	0	129.2	10.4	0.40938	0.06603	4.2777	0.68994	0.41067	4.28433	0.34063	0.05494	3.73556	3.73556	0.60250	3.8
AHSAHKA	115		18	1	1.03	5892.4	0	1173.7	7.9	5728.8	4992.3	1141.1	8.3	5372.7	5372.7	1070.2	9	9	5071.7	0	1010.2	7.9	1.46635	0.01109	11.5639	0.08744	1.4938	11.7055	1.25308	0.00948	14.8509	14.85090	0.11229	5.9
AHSAHKA TAP	115	T 1/4	18	3	1.03	6225.5	0	1240.0	8.6	6153.0	5646.8	1225.6	9.3	5884.7	5884.7	1172.2	10.2	10.2	5356.5	0	1066.9	8.6	1.27061	0.00961	10.9596	0.08287	1.29807	11.1011	0.83383	0.00630	12.7891	12.78910	0.09670	6.2
AIRPORT-CPI	115	T 12/5-7	4	3	1.07	6625.0	0	1319.6	3.4	6162.0	3626.3	1227.4	3.5	4710.5	4710.5	938.3	4.1	4.1	5762.4	0	1147.8	3.4	3.05566	0.02311	10.2723	0.07767	3.01613	10.1869	4.71346	0.03564	23.4543	23.45430	0.17735	6.6
ALB-EUG-32/1	115	T 32/2	4	3	1.10	7306.4	0	1455.3	6.1	6578.4	3450.4	1310.3	6.2	4682.4	4682.4	932.7	6.5	6.5	6320.8	0	1259	6.1	1.62549	0.01229	9.87668	0.07468	1.62646	9.89824	3.86894	0.02925	26.5375	26.53750	0.20066	7.3
ALBANY	12.5	ALBA	4	3	1.07	8188.6	0	177.3	30.6	9113.4	11323.3	197.3	33.4	9504.8	9504.8	205.8	34.4	N/A	7092.0	0	153.5	30.5	0.03098	0.01983	0.94661	0.60583	0.03099	0.94648	0.00909	0.00000	0.55374	0.00000	0.00000	11.3
ALBANY	115	ALBA	4	3	1.07	16965.3	0	3379.2	7.7	16655.0	15168.7	3317.4	7.9	16037.6	16037.6	3194.5	8.2	8.2	14710.9	0	2930.2	7.7	0.54331	0.00411	4.16972	0.03153	0.54453	4.15884	0.52864	0.00400	4.9178	4.91780	0.03719	17.0
ALBANY BK1	13.8	Bk1 tert	4	3	1.07	26236.2	0	627.1	22.7	22727.3	0.0	543.2	22.7	0.0	0	0	916.2	N/A	22727.3	0	543.2	22.7	0.01434	0.00753	0.32593	0.17115	0.01436	0.32576	0	0.00000	-5.00E+07	0.00000	0.00000	26.2
ALBANY BK1	115	ALBA	4	3	1.07	16838.7	0	3354.0	7.7	16556.5	15144.6	3297.8	8	15967.0	15967	3180.4	8.3	8.3	14600.7	0	2908.3	7.7	0.54313	0.00411	4.20172	0.03177	0.54434	4.19107	0.51752	0.00391	4.91476	4.91476	0.03716	16.8
ALBANY BK1	230	ALBA	4	3	1.08	8002.3	0	3187.9	8.4	7607.8	6052.2	3030.7	8.6	6895.8	6895.8	2747.1	9.1	9.1	6933.8	0	2762.2	8.4	2.113	0.00399	17.7178	0.03349	2.11544	17.6988	2.58929	0.00489	26.3277	26.32770	0.04977	8.0
ALBENI F	115	ALFL	16	3	1.04	9529.3	0	1898.1	7.0	9135.0	7290.8	1819.6	7.4	8273.5	8273.5	1648	8.1	8.1	8263.9	0	1646.1	7	1.02493	0.00775	7.18712	0.05434	1.01998	7.16772	1.04374	0.00789	10.5396	10.53960	0.07969	9.5
ALBENI F PH	13.8	ALPH	16	1	1.03	23842.0	0	569.9	23.3	21613.3	6283.4	516.6	25.7	10282.4	10282.4	245.8	86.3	86.3	21327.6	0	509.8	24	0.01478	0.00776	0.34483	0.18107	0.01305	0.32288	0	0.00000	1.73301	1.73301	0.91000	23.8
ALCOA	115	ALCO	2	3	1.07	35334.0	0	7038.0	11.0	35319.3	34446.0	7035.1	11.2	34898.6	34898.6	6951.3	11.4	11.4	30612.2	0	6097.5	10.7	0.18146	0.00137	1.99977	0.01512	0.193	1.99712	0.15978	0.00121	2.07879	2.07879	0.01572	35.3
ALCOA BK8	34.5	Bk8 tert	2	3	1.07	26850.3	0	1604.5	20.6	23249.3	0.1	1389.3	20.4	0.1	0.1	0	135755.2	N/A	23249.3	0	1389.3	20.4	0.03841	0.00323	0.7918	0.06652	0.03912	0.79202	0	0.00000	-4.90E+05	0.00000	0.00000	26.9
ALCOA BK8	230	ALCO	2	3	1.07	17924.6	0	7140.6	10.7	17890.5	17489.5	7127.1	10.9	17677.4	17677.4	7042.2	11.2	11.2	15499.3	0	6174.5	10.5	0.73878	0.00140	7.88209	0.01490	0.76239	7.9043	0.64934	0.00123	8.19933	8.19933	0.01550	17.9
ALCOA BK8 SS	34.5	ALCO	2	3	1.07	3737.0	0	223.3	148.3	3236.3	0.1	193.4	146.9	0.1	0.1	0	-89322113.8	N/A	3236.3	0	193.4	146.9	0.03841	0.00323	5.69567	0.47853	0.03912	5.69589	0	0.00000	-4.90E+05	0.00000	0.00000	3.7
ALDRWOOD	12.5	ALDW	4	3	1.10	7231.4	0	156.6	14.8	7568.1	8220.0	163.9	16.4	7693.7	7693.7	166.6	17.6	N/A	6261.9	0	135.6	14.8	0.07392	0.04731	1.09646	0.70173	0.07393	1.09672	0.0277	0.00000	0.90061	0.00000	0.00000	8.2
ALDRWOOD	115	ALDW	4	3	1.10	4292.5	0	855.0	4.2	3862.0	1745.0	769.3	4.4	2480.5	2480.5	494.1	5.1	5.1	3715.1	0	740	4.2	3.91187	0.02958	16.5771	0.12535	3.91288	16.5989	9.15663	0.06924	53.6024	53.60240	0.40531	4.3
ALFALFA	34.5	ALFA	25	3	1.05	2451.0	0	146.5	14.8	2489.2	2555.0	148.7	14.2	2501.9	2501.9	149.5	13.7	13.7	2122.6	0	126.8	14.8	0.57517	0.04832	8.50758	0.71477	0.5752	8.50784	0.67276	0.05652	7.97869	7.97869	0.67034	2.6
ALFALFA	230	T107/4-5	25	3	1.05	6684.3	0	2662.8	7.0	6094.0	3785.1	2427.7	7.1	4831.7	4831.7	1924.8	7.1	7.1	5786.9	0	2305.3	7	2.94469	0.00557	20.7242	0.03918	2.94598	20.738	6.16899	0.01166	44.572	44.57200	0.08426	6.7
ALKALI C	69		23	1	1.03	2400.7	0	286.9	8.3	2329.7	1985.1	278.4	8.8	2173.1	2173.1	259.7	9.6	9.6	2078.7	0	248.4	8.3	2.04988	0.04306	17.0403	0.35791	2.05022	17.0461	1.78565	0.03751	22.491	22.49100	0.47240	2.4
ALKALI C	115		23	1	1.03	2599.5	0	517.8	7.3	2449.8	1879.5	488	7.4	2181.0	2181	434.4	7.7	7.7	2250.6	0	448.3	7.3	3.57798	0.02705	26.1736	0.19791	3.57893	26.1896	4.96006	0.03751	41.3142	41.31420	0.31239	2.6
ALKALI C TAP	115	CH1	23	1	1.03	3083.2	0	614.1	9.6	2963.5	2541.0	590.3	9.7	2785.0	2785	554.7	9.9	9.9	2669.1	0	531.7	9.6	2.31548	0.01751	22.1549	0.16752	2.31647	22.171	2.80437	0.02121	29.2813	29.28130	0.22141	3.1
ALLSTON	115	ALSN	5	3	1.07	27694.8	0	5516.4	12.4	27339.8	25855.9	5445.7	12.6	26762.7	26762.7	5330.8	12.8	12.8	24001.3	0	4780.7	12.2	0.20562	0.00155	2.55237	0.01930	0.21142	2.54828	0.20424	0.00154	2.82449	2.82449	0.02136	27.7
ALLSTON (EB)	230	ALSN	5	3	1.07	39841.4	0	15871.7	16.9	39557.6	36861.2	15758.6	15	38453.0	38453	15318.6	13.2	13.2	34644.9	0	13801.5	15.9	0.21001	0.00040	3.55397	0.00672	0.23503	3.52338	0.38939	0.00074	3.9573	3.95730	0.00748	39.8
ALLSTON BK1	34.5	Bk1 tert	5	3	1.02	47258.3	0	2824.0	27.7	40961.0	0.1	2447.7	27.2	0.1	0.1	0	96053.9	N/A	40961.0	0	2447.7	27.2	0.01544	0.00130	0.42803	0.03596	0.01601	0.4273	0	0.00000	-4.90E+05	0.00000	0.00000	47.3
ALLSTON BK3	13.8	Bk3 tert	5	3	1.07	20076.1	0	479.9	22.4	17387.2	0.0	415.6	22.3	0.0	0	0	1163.7	N/A	17387.2	0	415.6	22.3	0.01893	0.00994	0.42345	0.22235	0.01901	0.42341	0	0.00000	-5.00E+07	0.00000	0.00000	20.1
ALLSTON N	525	ALSN	5	3	1.02	20788.3	0	18903.3	20.4	19854.8	15575.6	18054.5	17.6	17827.0	17827.1	16210.6	14.2	14.2	18019.7	0	16385.7	19.6	0.73104	0.00027	14.901	0.00541	0.78753	14.8708	2.13817	0.00078	22.2911	22.29110	0.00809	20.8
ALLSTON SS	34.5	ALSN	5	3	1.02	3148.9	0	188.2	416.4	2727.2	0.1	163	408.7	0.1	0.1	0	-57904829.1	N/A	2727.2	0	163	408.7	0.01544	0.00130	6.42812	0.54006	0.01601	6.42739	0	0.00000	-4.90E+05	0.00000	0.00000	3.1
ALTURAS	69		71	9	1.02	1889.8	0	225.9	14.3	2044.6	2452.4	244.4	14.3	2130.4	2130.4	254.6	14.3	14.3	1633.4	0	195.2	14.2	1.50751	0.03166	21.5018	0.45162	1.51736	21.5876	0.96725	0.02032	14.1329	14.13290	0.29685	2.5
ALTURAS	115		71	9	1.08	4299.8	0	856.5	10.7	4441.2	4844.8	884.6	10.9	4520.0	4520	900.3	11	11	3694.2	0	735.8	10.6	1.55621	0.01177	16.5957	0.12549	1.5867	16.8612	1.15046	0.00870	13.9192	13.91920	0.10525	4.8
ALVEY BK1	34.5	ALVY	4	3	1.10	3074.0	0	183.7	33.9	3092.3	3142.3	184.8	34.2	3107.2	3107.2	185.7	34.5	34.5	2661.7	0	159	33.9	0.21022	0.01766	7.1262	0.59871	0.21045	7.12901	0.19306	0.01622	6.89557	6.89557	0.57934	3.1
ALVEY BK3	13.2	Bk3 tert	4	3	1.09	74476.6	0	1702.8	59.4	64377.2	0.0	1471.9	59.1	0.1	0.1	0	54386.3	N/A	64377.2	0	1471.9	59.1	0.00189	0.00108	0.11194	0.06424	0.00191	0.11236	0	0.00000	-4.90E+05	0.00000	0.00000	74.5
ALVEY BK3 SS	13.2	ALVY	4	3	1.09	3457.0	0	79.0	1278.9	2993.5	0.0	68.4	1270.3	0.1	0.1	0	31142027.6	N/A	2993.5	0	68.4	1270.3	0.00189	0.00108	2.41191	1.38425	0.00191	2.41233	0	0.00000	-4.90E+05	0.00000	0.00000	3.5
ALVEY BK5	34.5	Bk5 tert	4	3	1.03	33799.8	0	2019.7	45.0	29244.1	0.1	1747.5	44.8	0.1	0.1	0	225032.1	N/A	29244.1	0	1747.5	44.8	0.01343	0.00113	0.60412	0.05076	0.01355	0.60525	0	0.00000	-4.90E+05	0.00000	0.00000	33.8
ALVEY BK5	525	ALVY	4	3	1.03	13000.5	0	11821.7	7.8	12435.2	9430.6	11307.7	8.4	11249.0	11249	10229	12.5	12.5	11433.2	0	10396.6	8.2	1.6828	0.00061	22.568	0.00819	1.71582	22.7185	3.24086	0.00118	37.7208	37.72080	0.01369	13.0
ALVEY BK5 SS	34.5	ALVY	4	3	1.03	5434.4	0	324.7	279.9	4705.6	0.1	281.2	278.6	0.1	0.1	0	16167707.6	N/A	4705.6	0	281.2	278.6	0.01343	0.00113	3.7583	0.31576	0.01355	3.75943	0	0.00000	-4.90E+05	0.00000	0.00000	5.4
ALVEY CAPS	525	ALVY	4	3	1.03	13210.6	0	12012.7	4.6	12805.6	10544.6	11644.4	4.8	11845.1	11845.5	10771	4.7	4.7	11803.8	0	10733.5	4.7	1.97773	0.00072	18.3859	0.00667	2.01826	18.6488	3.06409	0.00111	26.1511	26.15110	0.00949	13.2
ALVEY N	525	ALVY	4	3	1.03	13074.3	0	11888.9	7.8	12490.7	9420.6	11358.1	8.3	11285.4	11285.4	10262.1	12.4	12.4	11499.3	0	10456.6	8.1	1.66785	0.00061	22.3825	0.00812	1.7008	22.5324	3.32301	0.00121	37.8224	37.82240	0.01372	13.1
ALVEY(MB1)	230	ALVY	4	3	1.08	22980.3	0	9154.7	14.0	23444.7	24657.5	9339.7	13.6	23694.4	23694.4	9439.2	13.3	13.3	19821.8	0	7896.5	13.9	0.44393	0.00084	6.21014	0.01174	0.45055	6.25983	0.46749	0.00088	5.59373	5.59373	0.01057	24.7
ALVEY(SEC1)	115	ALVY	4	3	1.10	28416.1	0	5660.1	13.4	29921.0	34101.7	5959.8	13.6	30812.7	30812.7	6137.5	13.8	13.8	24459.8	0	4872	13.4	0.19077	0.00144	2.56346	0.01938	0.19331	2.59472	0.13122	0.00099	1.93494	1.93494	0.01463	34.1
ANACONDA	115	ANAC	14	3	1.20	10608.6	0	2113.1	10.3	12913.8	17692.0	2572.3	11.3	13283.7	13283.7	2645.9	11.4	11.4	9200.4	0	1832.6	10.3	0.72395	0.00547	7.45702	0.05639	0.7221	7.43574	0.12396	0.00094	2.98831	2.98831	0.02260	17.7
ANACONDA	230	ANAC	14	3	1.14	10533.2	0	4196.1	7.2	11883.2	14224.6	4733.9	8.4	12171.5	12171.5	4848.8	8.8	8.8	9188.8	0	3660.5	7.4	1.90811	0.00361	14.1821	0.02681	1.90095	14.1082	0.39985	0.00076	8.79778	8.79778	0.01663	14.2
ANACONDA BK1	13.2	Bk1 tert	14	3	1.19	50718.7	0	1159.6	25.0	43957.9	0.0	1005	25.1	0.0	0	0	566.2	N/A	43957.9	0	1005	25.1	0.00714	0.00410	0.17895	0.10270	0.00712	0.17867	0	0.00000	-5.00E+07	0.00000	0.00000	50.7
ANCIENT TAP	230	ANCNT L*	17	21	1.06	17217.4	0	6858.9	10.6	15793.6	9733.7	6291.7	10.1	12412.7	12412.7	4944.9	8.8	8.8	14880.7	0	5928	10.6	0.76798	0.00145	8.11496	0.01534	0.77057	8.14776	2.27331	0.00430	17.4415	17.44150	0.03297	17.2
ANCNTLK-GPUD	115	ANCNT LK	17	21	1.06	13121.4	0	2613.6	9.9	12644.4	10989.4	2518.6	10	11948.2	11948.2	2379.9	10.2	10.2	11351.2	0	2261	9.9	0.54157	0.00410	5.34638	0.04043	0.54257	5.35797	0.64113	0.00485	6.91547	6.91547	0.05229	13.1
ANCNTLK-GPUD	230	ANCNT LK	17	21	1.06	13050.9	0	5199.1	8.7	11980.3	7471.4	4772.6	8.4	9488.6	9488.6	3780	7.6	7.6	11284.8	0	4495.5	8.7	1.23478	0.00233	10.6889	0.02021	1.23759	10.7223	3.33429	0.00630	22.6059	22.60590	0.04273	13.1
ANDR RCH PH	115	ARPH	24	25	1.03	2888.9	0	575.4	5.8	3044.0	3181.8	606.3	6.4	3029.0	3029	603.3	7	7	2501.3	0	498.2	5.8	3.9961	0.03022	23.2559	0.17585	4.0084	23.2638	1.54268	0.01166	20.318	20.31800	0.15363	3.2
ANGUS TAP	115	T 10/5	20	3	1.03	7565.5	0	1506.9	6.1	6755.7	3221.7	1345.6	6.1	4516.3	4516.3	899.6	6.3	6.3	6548.0	0	1304.3	6.1	1.46865	0.01111	8.95319	0.06770	1.46989	8.96389	4.19861	0.03175	27.1154	27.11540	0.20503	7.6
ANTELOPE	161	ANTELOPE	72	9	1.08	6658.6	0	1856.8	5.8	6997.4	7582.4	1951.3	6.4	7096.5	7096.5	1978.9	6.6	6.6	5780.0	0	1611.8	6.1	2.43838	0.00941	14.8226	0.05718	2.45853	14.851	1.5001	0.00579	12.2693	12.26930	0.04733	7.6
ANTELOPE	230	ANTELOPE	77	9	1.09	5511.1	0	2195.5	5.6	5501.3	5037.3	2191.5	6	5320.3	5320.3	2119.5	6.8	6.8	4804.0	0	1913.8	5.7	4.04217	0.00764	25.322	0.04787	4.07668	25.369	3.63821	0.00688	29.8376	29.83760	0.05640	5.5
ARCO	69	ARCO	72	9	1.13	1655.5	0	197.8	1.7	1576.3	862.6	188.4	1.8	1139.1	1139.1	136.1	2.3	2.3	1433.5	0	171.3	1.7	13.9824	0.29369	23.2932	0.48925	13.9865	23.2989	19.2602	0.40454	62.0368	62.03680	1.30302	1.7
ARCO-LBE	69	ARCO	24	1	1.09	1862.1	0	222.5	3.2	1729.2	1066.6	206.7	3.3	1356.7	1356.7	162.1	3.7	3.7	1612.5	0	192.7	3.2	6.92383	0.14543	22.2149	0.46660	6.92694	22.2192	11.0709	0.23253	48.0775	48.07750	1.00982	1.9
ASARCO	115	ASARCO	15	1	1.04	1999.1	0	398.2	3.1	1817.5	924.4	362	3.3	1254.9	1254.9	250	3.9	3.9	1716.9	0	342	3.2	10.5542	0.07980	32.9588	0.24922	10.556	33.5632	19.4962	0.14742	93.8096	93.80960	0.70934	2.0
ASARCO TAP	115	T 32/1	15	3	1.04	3480.6	0	693.3	4.7	3134.7	1806.6	624.4	4.9	2344.2	2344.2	466.9	5.3	5.3	2970.1	0	591.6	4.8	4.10514	0.03104	19.4476	0.14705	4.10695	20.0519	8.1449	0.06159	47.5106	47.51060	0.35925	3.5
ASHE	230	ASHE	25	3	1.04	8372.7	0	3335.5	7.5	7885.2	6184.4	3141.2	7.6	7108.8	7108.9	2832	7.6	7.6	7245.6	0	2886.5	7.5	2.17488	0.00411	16.3975	0.03100	2.1773	16.4219	3.25922	0.00616	25.1287	25.12870	0.04750	8.4
ASHE N	525	ASHE	25	3	1.02	31352.2	0	28509.4	25.0	29202.0	20859.9	26554.2	22.2	24892.6	24892.6	22635.5	17.9	17.9	26976.6	0	24530.6	24.7	0.39365	0.00014	9.85197	0.00357	0.40954	9.97951	1.27508	0.00046	17.3659	17.36590	0.00630	31.4
ASHE TAP	230	A4-A8 *	25	1	1.05	10591.7	0	4219.4	7.9	9860.0	6609.0	3927.9	7.5	8134.0	8134	3240.3	6.7	6.7	9165.2	0	3651.2	7.9	1.64631	0.00311	13.0013	0.02458	1.64805	13.0226	4.30467	0.00814	24.6039	24.60390	0.04651	10.6
ASTORIA	115	ASTORIA	70	9	1.07	5782.8	0	1151.9	4.9	5609.8	4749.7	1117.4	5.1	5216.8	5216.8	1039.1	5.4	5.4	5008.6	0	997.6	4.9	2.45889	0.01859	12.053	0.09114	2.46294	12.0495	2.575	0.01947	16.1127	16.11270	0.12184	5.8
B-297	115	T 1/1	10	3	1.08	6760.5	0	1346.6	3.0	6400.3	4134.7	1274.8	3.2	5133.5	5133.5	1022.5	3.8	3.8	5850.3	0	1165.3	3	3.35434	0.02536	10.0322	0.07586	3.35767	10.048	4.01166	0.03033	20.3123	20.31230	0.15359	6.8
B-975	115	T 23/10	4	3	1.07	3250.2	0	647.4	4.5	2927.0	1386.8	583	4.6	1944.9	1944.9	387.4	5.2	5.2	2815.4	0	560.8	4.5	4.74717	0.03590	21.4317	0.16205	4.74838	21.4208	11.2105	0.08477	65.2321	65.23210	0.49325	3.3
BADGER C	115	BADG	20	3	1.03	12305.5	0	2451.1	6.6	10992.9	5438.9	2189.6	6.6	7536.3	7536.3	1501.1	6.6	6.6	10646.6	0	2120.7	6.6	0.82984	0.00627	5.51586	0.04171	0.83107	5.52656	2.42363	0.01833	15.974	15.97400	0.12079	12.3
BAKEOVN-SS	12.47	BAOV	22	1	1.07	513.9	0	11.1	0.9	475.9	267.0	10.3	1	351.7	351.7	7.6	1.1	1.1	445.0	0	9.6	0.9	10.8809	6.99732	10.2924	6.61887	10.8809	10.2924	23.1863	14.91072	27.259	27.25900	17.52980	0.5
BAKEOVN1N	525	T 40/4	22	3	1.03	18774.8	0	17072.4	4.4	17246.3	7688.6	15682.5	4.4	11926.9	11927.5	10845.5	5.8	5.8	16717.7	0	15201.9	4.2	1.40651	0.00051	12.4287	0.00451	1.42942	12.5117	6.65033	0.00241	50.1487	50.14870	0.01819	18.8
BAKEOVN1S	525	BAKE	22	3	1.02	19238.6	0	17494.2	2.9	17999.4	7675.0	16367.3	2.8	12369.4	12370	11247.8	3.3	3.3	17224.1	0	15662.3	2.7	1.40473	0.00051	5.95921	0.00216	1.42347	6.02287	7.21597	0.00262	45.7827	45.78270	0.01661	19.2
BAKEOVN2N	525	T 40/4	22	3	1.03	18892.9	0	17179.9	4.4	17339.7	8064.1	15767.4	4.3	12274.3	12274.9	11161.4	5.2	5.2	16823.0	0	15297.6	4.2	1.41901	0.00051	12.2104	0.00443	1.44195	12.2939	6.36865	0.00231	46.6315	46.63150	0.01692	18.9
BAKEOVN2S	525	BAKE	22	3	1.02	19349.6	0	17595.1	2.9	18166.2	7883.8	16519	2.8	12621.5	12622	11477	3.3	3.3	17320.2	0	15749.8	2.7	1.40733	0.00051	5.81598	0.00211	1.42604	5.87959	7.01488	0.00255	45.1726	45.17260	0.01639	19.3
BAKEOVN3N	525	T 5/4	22	3	1.03	17882.6	0	16261.1	19.2	16187.5	8076.2	14719.7	16.7	11107.4	11107.4	10100.3	11	11	15454.4	0	14053.1	18.9	0.90638	0.00033	17.3654	0.00630	0.93579	17.4367	5.74994	0.00209	48.8412	48.84120	0.01772	17.9
BAKER CREEK	115	T 5/4	3	3	1.09	7657.8	0	1525.3	3.4	7014.1	3622.0	1397.1	3.6	4921.0	4921	980.2	4.3	4.3	6631.3	0	1320.9	3.4	2.65989	0.02011	9.10511	0.06885	2.66156	9.10633	4.74621	0.03589	24.9122	24.91220	0.18837	7.7
BAKR C TAP	115	T 7/4	5	3	1.06	21866.5	0	4355.5	7.1	20188.6	13693.9	4021.3	7.1	16840.8	16840.8	3354.4	7.3	7.3	18936.5	0	3771.9	7.1	0.44968	0.00340	3.19542	0.02416	0.45665	3.19459	0.80327	0.00607	6.06288	6.06288	0.04584	21.9
BALD MTN	69		22	1	1.06	2051.7	0	245.2	12.8	1858.7	1067.9	222.1	12.9	1404.7	1404.7	167.9	13.5	13.5	1776.8	0	212.3	12.8	1.60863	0.03379	20.5594	0.43183	1.60927	20.5594	3.44028	0.07226	48.9964	48.99640	1.02912	2.1
BALD MTN	115	BMTN	22	3	1.06	2583.6	0	514.6	7.2	2747.7	3009.7	547.3	7.9	2781.0	2781	553.9	8.4	8.4	2237.5	0	445.7	7.2	3.76279	0.02845	27.0542	0.20457	3.76465	27.0545	1.51891	0.01149	21.4805	21.48050	0.16242	3.0
BALEVILL TAP	115	T 4/2	10	3	1.07	4055.2	0	807.7	3.3	3711.1	1914.8	739.2	3.5	2601.4	2601.4	518.2	4.1	4.1	3509.7	0	699.1	3.3	5.01888	0.03795	16.7415	0.12659	5.03067	16.7616	9.16923	0.06933	45.9407	45.94070	0.34738	4.1
BANDON	12.5	BAND	6	3	1.17	5650.9	0	122.3	12.1	5871.0	6368.6	127.1	12.6	5988.1	5988.1	129.6	13	13	4893.5	0	105.9	12.1	0.12378	0.07922	1.49468	0.95660	0.1238	1.49489	0.07853	0.05026	1.24397	1.24397	0.79614	6.4
BANDON	115	BAND	6	3	1.09	3899.2	0	776.7	5.6	3623.9	2548.8	721.8	5.7	3081.4	3081.4	613.8	5.8	5.8	3375.5	0	672.3	5.6	3.28404	0.02483	18.3032	0.13840	3.28577	18.318	5.34437	0.04041	32.9574	32.95740	0.24921	3.9
BANGOR	115	BANGOR	11	1	1.07	6547.7	0	1304.2	7.0	6037.6	4066.5	1202.6	6.9	5015.0	5015	998.9	6.8	6.8	5668.0	0	1129	7	1.53596	0.01161	10.7834	0.08154	1.53877	10.7926	3.15643	0.02387	20.6302	20.63020	0.15599	6.5
BAXTER	13.8	BAXT	20	1	1.03	6370.8	0	152.3	13.3	6448.9	6642.1	154.1	13.4	6503.3	6503.3	155.4	13.6	13.6	5517.0	0	131.9	13.3	0.09714	0.05101	1.28954	0.67714	0.09716	1.2897	0.08509	0.04468	1.21107	1.21107	0.63593	6.6
BAXTER	115	BAXT	20	3	1.03	12451.8	0	2480.2	6.5	11159.9	5727.1	2222.9	6.5	7837.9	7837.9	1561.2	6.6	6.6	10773.0	0	2145.8	6.5	0.83704	0.00633	5.44985	0.04121	0.83796	5.46069	2.2388	0.01693	15.0748	15.07480	0.11399	12.5
BC 189	115	BC 189	22	22	1.04	11374.7	0	2265.7	7.7	10138.3	4854.7	2019.4	7.6	6786.4	6786.4	1351.7	7.4	7.4	9823.7	0	1956.8	7.7	0.78453	0.00593	6.0105	0.04545	0.78762	6.04377	2.50574	0.01895	18.151	18.15100	0.13725	11.4
BEACON NORTH	115	BEACONN1	447	2	1.06	36904.7	0	7350.9	10.7	36045.3	33001.3	7179.7	10.4	34756.8	34756.8	6923.1	10.2	10.2	31880.1	0	6350.1	10.7	0.17815	0.00135	1.89806	0.01435	0.17911	1.90763	0.23803	0.00180	2.23772	2.23772	0.01692	36.9
BEACON NORTH	230	BEACONN2	447	2	1.06	26224.2	0	10447.0	12.5	24845.4	18261.6	9897.7	11.2	21504.8	21504.8	8566.9	9.3	9.3	22678.0	0	9034.3	12.5	0.42642	0.00081	5.32688	0.01007	0.42893	5.3422	1.24262	0.00235	8.76805	8.76805	0.01657	26.2
BEAVER	115	T 19/4-5	3	3	1.08	4701.0	0	936.4	2.8	4350.4	2244.3	866.5	2.9	3042.8	3042.8	606.1	3.6	3.6	4071.1	0	810.9	2.8	5.22978	0.03954	14.3914	0.10882	5.23145	14.392	8.29504	0.06272	39.6636	39.66360	0.29991	4.7
BELFAIR	12.5		11	1	1.07	8314.8	0	180.0	17.3	8512.9	9013.9	184.3	17.7	8649.7	8649.7	187.3	18	N/A	7200.4	0	155.9	17.3	0.05381	0.03444	0.9311	0.59590	0.05385	0.93122	0.04145	0.00000	0.82317	0.00000	0.00000	9.0
BELFAIR	115	BELFAIR	11	1	1.07	7759.1	0	1545.5	8.7	7065.0	4093.6	1407.3	8.5	5357.1	5357.1	1067.1	7.7	7.7	6716.0	0	1337.7	8.7	1.04622	0.00791	9.13526	0.06908	1.04901	9.14476	3.03411	0.02294	21.343	21.34300	0.16138	7.8
BELL	115	BELL	16	3	1.08	27083.9	0	5394.7	9.2	26629.8	24598.0	5304.3	9.5	25749.8	25749.8	5129	9.9	9.9	23426.1	0	4666.1	9.2	0.28515	0.00216	2.62239	0.01983	0.28563	2.62896	0.26313	0.00199	3.03033	3.03033	0.02291	27.1
BELL BK6	13.8	Bk6 tert	16	3	1.02	37158.1	0	888.2	25.0	32189.7	435.6	769.4	24.8	860.9	860.9	20.6	8.8	8.8	32172.8	0	769	25	0.00872	0.00458	0.2181	0.11452	0.00873	0.21819	3.17287	1.66607	27.6448	27.64480	14.51628	37.2
BELL BK6 SS	13.8	BELL	16	3	1.02	37154.7	0	888.1	24.9	32186.8	435.6	769.3	24.8	860.9	860.9	20.6	8.8	8.8	32169.9	0	768.9	24.9	0.00874	0.00459	0.21812	0.11453	0.00875	0.21821	3.17289	1.66608	27.6448	27.64480	14.51628	37.2
BELL BK8 SS	13.8	BELL	16	3	1.02	3490.8	0	83.4	15.7	3500.1	3525.2	83.7	15.7	3507.9	3507.9	83.8	15.7	15.7	3023.1	0	72.3	15.7	0.148	0.07771	2.321	1.21876	0.148	2.32108	0.14431	0.07578	2.28714	2.28714	1.20098	3.5
BELL W	525	BELL	16	3	1.02	16117.6	0	14656.1	16.2	14834.1	9231.9	13489	15	11737.3	11737.3	10673.1	12.2	12.2	13954.0	0	12688.7	16.2	1.18273	0.00043	19.1974	0.00697	1.18778	19.2088	4.07821	0.00148	40.5659	40.56590	0.01472	16.1
BELL(SEC2)	230	BELL	16	3	1.06	32666.1	0	13013.3	13.1	30706.5	22165.9	12232.6	12.1	26371.9	26371.9	10505.8	10.3	10.3	28244.0	0	11251.6	13.1	0.32668	0.00062	4.27944	0.00809	0.32917	4.29317	0.89081	0.00168	7.30096	7.30096	0.01380	32.7
BELL(SEC4)	230	BELL	16	3	1.06	32833.9	0	13080.1	13.9	30875.6	22240.2	12300	12.7	26479.6	26479.6	10548.7	10.6	10.6	28389.0	0	11309.4	13.9	0.30576	0.00058	4.25975	0.00805	0.30821	4.27344	0.87308	0.00165	7.28367	7.28367	0.01377	32.8
BELL-SCAP	525	BELL	16	3	1.01	17336.9	0	15764.9	2.6	16465.3	10239.2	14972.4	2.5	13770.2	13770.7	12521.6	2.6	2.6	15588.3	0	14174.9	2.4	1.35043	0.00049	2.41568	0.00088	1.35752	2.37293	3.90975	0.00142	20.2193	20.21930	0.00734	17.3
BELLNGHM	115	BELG	9	3	1.12	31247.5	0	6224.1	10.8	30459.2	27393.0	6067	10.5	29174.4	29174.4	5811.1	10.1	10.1	27042.9	0	5386.6	10.8	0.2185	0.00165	2.3593	0.01784	0.2189	2.36248	0.31158	0.00236	2.85459	2.85459	0.02158	31.2
BELLNGHM	230	BELG	9	3	1.12	19066.8	0	7595.7	13.5	18047.1	13909.4	7189.5	12.7	16070.7	16070.7	6402.1	11.5	11.5	16496.9	0	6571.9	13.4	0.57749	0.00109	7.76963	0.01469	0.57922	7.78417	1.25284	0.00237	12.0721	12.07210	0.02282	19.1
BELLNGHM BK1	13.8	Bk1 tert	9	3	1.11	22069.2	0	527.5	23.9	19111.5	0.0	456.8	23.9	0.1	0.1	0	79388.1	N/A	19111.5	0	456.8	23.9	0.01679	0.00882	0.40176	0.21096	0.01679	0.4018	0	0.00000	-4.90E+05	0.00000	0.00000	22.1
BELLNGHM SS	13.8	BELG	9	3	1.11	2006.9	0	48.0	263.4	1738.0	0.0	41.5	263.4	0.1	0.1	0	27196518.1	N/A	1738.0	0	41.5	263.4	0.01679	0.00882	4.42177	2.32187	0.01679	4.42182	0	0.00000	-4.90E+05	0.00000	0.00000	2.0
BELLNGHM2	13.2		9	10	1.10	27655.3	0	632.3	22.6	23948.5	0.0	547.5	22.6	0.0	0	0	845.4	N/A	23948.5	0	547.5	22.6	0.01334	0.00766	0.30147	0.17302	0.01334	0.30151	0	0.00000	-5.00E+07	0.00000	0.00000	27.7
BEN-OTHL11/7	115	T 11/7	25	3	1.04	7301.6	0	1454.4	4.5	6691.5	3748.2	1332.8	4.7	4952.6	4952.6	986.5	5.4	5.4	6319.9	0	1258.8	4.5	2.04946	0.01550	9.2265	0.06977	2.05076	9.2368	3.45757	0.02614	22.6501	22.65010	0.17127	7.3
BENSON TAP	115	T 13/5	11	3	1.08	7882.3	0	1570.0	8.7	7154.1	3998.1	1425	8.4	5302.6	5302.6	1056.2	7.6	7.6	6822.5	0	1358.9	8.7	1.03702	0.00784	8.99795	0.06804	1.03981	9.00766	3.16677	0.02395	22.0442	22.04420	0.16669	7.9
BENT CTY	12.5	BECY	25	1	1.04	7059.6	0	152.8	12.3	7221.4	7511.0	156.3	13	7277.5	7277.5	157.6	13.5	N/A	6113.0	0	132.3	12.3	0.0855	0.05472	1.05572	0.67566	0.08561	1.05599	0.05606	0.00000	0.96227	0.00000	0.00000	7.5
BENT CTY	115	BECY	25	3	1.04	7444.5	0	1482.8	3.6	6916.6	4064.9	1377.7	3.8	5255.8	5255.8	1046.9	4.5	4.5	6438.4	0	1282.4	3.6	2.49522	0.01887	8.89733	0.06728	2.5048	8.92055	3.50599	0.02651	20.5158	20.51580	0.15513	7.4
BENT CTY TAP	115	T 19/3	25	3	1.04	7548.5	0	1503.5	3.5	7013.0	4096.4	1396.9	3.7	5308.2	5308.2	1057.3	4.5	4.5	6528.2	0	1300.3	3.5	2.49522	0.01887	8.76508	0.06628	2.5048	8.7883	3.50599	0.02651	20.3836	20.38360	0.15413	7.5
BENTON	115	BENT	25	3	1.04	19539.0	0	3891.9	6.7	17714.8	10358.9	3528.5	6.8	13515.1	13515.1	2692	7	7	16890.5	0	3364.4	6.7	0.51733	0.00391	3.48312	0.02634	0.51863	3.49588	1.12047	0.00847	8.14051	8.14051	0.06155	19.5
BENTON BK1	230	BENT	25	3	1.04	8119.2	0	3234.5	8.9	7440.5	4739.0	2964.1	8.8	5979.2	5979.2	2382	8.4	8.4	7024.8	0	2798.5	8.9	1.89221	0.00358	16.9251	0.03199	1.89613	16.9572	4.41849	0.00835	35.0086	35.00860	0.06618	8.1
BERRIAN TAP	115	T 3/4	20	3	1.04	18435.3	0	3672.1	11.1	16942.3	10705.4	3374.7	10.5	13489.9	13489.9	2687	9.1	9.1	15898.5	0	3166.7	11.1	0.33687	0.00255	3.72319	0.02815	0.33982	3.75456	1.00049	0.00757	7.7569	7.75690	0.05865	18.4
BERRYDALE	115	BER	8	10	1.11	30773.5	0	6129.7	10.9	29205.3	24121.3	5817.3	11	26902.3	26902.3	5358.6	11.2	11.2	26510.3	0	5280.5	10.9	0.21866	0.00165	2.38271	0.01802	0.22212	2.40783	0.29266	0.00221	3.38775	3.38775	0.02562	30.8
BERRYDALE	230	BER	8	10	1.09	41187.8	0	16408.1	13.9	39697.0	32751.2	15814.2	12	36076.1	36076.1	14371.7	9.9	9.9	35254.1	0	14044.2	13.7	0.25279	0.00048	3.51763	0.00665	0.26514	3.60011	0.69434	0.00131	4.90048	4.90048	0.00926	41.2
BERTELSN	115	BERTELSN	4	20	1.10	20214.2	0	4026.4	6.9	18737.9	13443.1	3732.3	6.9	16099.9	16099.9	3206.9	6.8	6.8	17454.3	0	3476.6	6.9	0.51599	0.00390	3.57343	0.02702	0.51693	3.59491	0.93507	0.00707	6.28792	6.28792	0.04755	20.2
BERYDLE* CLP	115	T 7/2	6	3	1.08	5911.8	0	1177.6	3.7	5685.3	4424.8	1132.4	3.9	5058.6	5058.6	1007.6	4.3	4.3	5115.1	0	1018.9	3.7	3.1583	0.02388	11.7462	0.08882	3.16295	11.768	3.44076	0.02602	17.9982	17.99820	0.13609	5.9
BETHEL-EWEB	115		4	20	1.10	21581.7	0	4298.8	7.9	19975.0	13762.0	3978.7	7.7	16754.1	16754.1	3337.2	7.3	7.3	18631.1	0	3711.1	7.9	0.4281	0.00324	3.36159	0.02542	0.42907	3.38316	0.91795	0.00694	6.2299	6.22990	0.04711	21.6
BETTAS R E	230	BTRD	17	3	1.06	7046.3	0	2807.0	10.5	6714.2	5387.5	2674.8	10.9	6101.5	6101.5	2430.7	11.8	11.8	6097.3	0	2429	10.5	1.90836	0.00361	19.9522	0.03772	1.91148	19.9849	2.03718	0.00385	29.256	29.25600	0.05530	7.0
BETTAS R W	230	BTRD	17	3	1.06	7043.9	0	2806.1	10.4	6712.4	5386.4	2674	10.9	6099.9	6099.9	2430	11.8	11.8	6095.2	0	2428.2	10.4	1.91468	0.00362	19.9586	0.03773	1.9178	19.9913	2.04085	0.00386	29.2601	29.26010	0.05531	7.0
BEVERLY PARK	115	BEV	9	10	1.10	28805.1	0	5737.6	8.0	25842.5	13520.9	5147.5	7.9	18327.6	18327.6	3650.6	7.5	7.5	24842.7	0	4948.3	8	0.31439	0.00238	2.50749	0.01896	0.31667	2.52839	0.94994	0.00718	6.77424	6.77424	0.05122	28.8
BIG CLIFF PH	13.8	BCPH	3	1	1.02	9656.1	0	230.8	8.7	8498.2	11.7	203.1	8.8	23.7	23.7	0.6	0	N/A	8492.4	0	203	8.8	0.09603	0.05043	0.83239	0.43709	0.09065	0.80719	1024.96	0.00000	-9.9728	0.00000	0.00000	9.7
BIG EDDY	115	BIGE	22	3	1.07	26125.0	0	5203.7	20.9	27675.8	31583.2	5512.6	20.4	28668.6	28668.6	5710.4	20.1	20.1	22682.3	0	4518	20.9	0.12971	0.00098	2.71538	0.02053	0.12891	2.70166	0.11045	0.00084	2.00565	2.00565	0.01517	31.6
BIG EDDY BK1	13.2	Bk1 tert	22	3	1.07	10531.7	0	240.8	126.7	9121.9	0.0	208.6	126.8	0.0	0	0	1214862.4	N/A	9121.9	0	208.6	126.8	0.00611	0.00351	0.77358	0.44397	0.0061	0.77338	0.19636	0.00000	-4.90E+05	0.00000	0.00000	10.5
BIG EDDY BK2	34.5	Bk2 tert	22	3	1.03	26546.5	0	1586.3	57.7	22993.0	0.1	1374	57.6	0.1	0.1	0	373131.2	N/A	22993.0	0	1374	57.6	0.01335	0.00112	0.77008	0.06470	0.01337	0.76988	0	0.00000	-4.90E+05	0.00000	0.00000	26.5
BIG EDDY BK2	525	Bk2 High	22	3	1.02	32870.2	0	29889.8	20.2	32814.7	32149.8	29839.3	19	32452.7	32452.7	29510.1	17.9	17.9	28419.3	0	25842.5	19.9	0.46792	0.00017	9.43719	0.00342	0.48048	9.46794	0.65228	0.00024	9.76123	9.76123	0.00354	32.9
BIG EDDY BK3	13.2	BIGE	22	3	1.08	7680.0	0	175.6	42.3	6651.3	2.5	152.1	42.3	5.0	5	0.1	-98676.3	N/A	6651.3	0	152.1	42.3	0.02526	0.01450	1.06985	0.61401	0.02527	1.06981	0	0.00000	-4974.6	0.00000	0.00000	7.7
BIG EDDY BK4	13.2	Bk4	22	3	1.08	6510.3	0	148.8	33.3	5638.2	0.0	128.9	33.3	0.1	0.1	0	716056.4	N/A	5638.2	0	128.9	33.3	0.03806	0.02184	1.26608	0.72663	0.03806	1.26602	0.10713	0.00000	-3.30E+05	0.00000	0.00000	6.5
BIG EDDY BK5	525	Bk5 High	22	3	1.02	33394.8	0	30366.8	20.7	33388.6	32846.7	30361.1	19.4	33062.5	33062.5	30064.7	18.2	18.2	28871.4	0	26253.5	20.4	0.44935	0.00016	9.28965	0.00337	0.46203	9.32088	0.63098	0.00023	9.52919	9.52919	0.00346	33.4
BIG EDDY BK6	13.2	Bk6	22	3	1.03	7924.7	0	181.2	35.9	6863.1	0.0	156.9	35.9	0.0	0	0	349064.1	N/A	6863.1	0	156.9	35.9	0.02751	0.01579	0.98675	0.56632	0.02752	0.98672	0.232	0.00000	-4.90E+05	0.00000	0.00000	7.9
BIG EDDY BK6	34.5	BIGE	22	3	1.03	13023.0	0	778.2	117.6	11279.0	0.1	674	117.5	0.1	0.1	0	1656033.5	N/A	11279.0	0	674	117.5	0.01335	0.00112	1.56993	0.13190	0.01337	1.56972	0	0.00000	-4.90E+05	0.00000	0.00000	13.0
BIG EDDY BK8	13.8	BIGE	22	3	1.07	4425.0	0	105.8	14.6	3832.4	2.5	91.6	14.6	5.1	5.1	0.1	-118.2	N/A	3832.4	0	91.6	14.6	0.13129	0.06894	1.92219	1.00934	0.13127	1.922	42.3585	0.00000	-5041.2	0.00000	0.00000	4.4
BIG EDDY E	525	BGED	22	3	1.02	33997.9	0	30915.2	20.7	34160.6	34282.3	31063.2	19.7	34079.1	34079.1	30989	18.8	18.8	29390.7	0	26725.7	20.4	0.44054	0.00016	9.1244	0.00331	0.45339	9.15639	0.55868	0.00020	9.0204	9.02040	0.00327	34.3
BIG EDDY MB2	230	BIGE	22	3	1.08	40300.8	0	16054.7	24.6	42482.3	48229.7	16923.7	24.3	43999.7	43999.7	17528.2	24.1	24.1	34972.6	0	13932.1	24.5	0.14439	0.00027	3.54976	0.00671	0.145	3.53527	0.11504	0.00022	2.66868	2.66868	0.00504	48.2
BIG EDDY MB3	230	BIGE	22	3	1.08	39073.6	0	15565.8	28.9	41138.1	46297.5	16388.3	27.7	42486.7	42486.7	16925.5	26.9	26.9	33923.8	0	13514.3	28.7	0.12725	0.00024	3.67506	0.00695	0.1279	3.65657	0.12164	0.00023	2.80693	2.80693	0.00531	46.3
BIG HORN WND	230		22	1	1.06	4864.2	0	1937.8	8.6	5169.8	5928.4	2059.5	8.4	5343.6	5343.7	2128.8	8.3	8.3	4212.4	0	1678.1	8.6	3.3588	0.00635	28.8743	0.05458	3.35963	28.8766	2.73407	0.00517	21.0671	21.06710	0.03982	5.9
BIG PASCO	115	BIG PASC	20	1	1.03	18200.0	0	3625.2	9.6	16790.5	11206.0	3344.4	9.3	13856.2	13856.2	2760	8.8	8.8	15744.1	0	3136	9.6	0.39011	0.00295	3.72685	0.02818	0.39054	3.73519	0.88595	0.00670	7.20942	7.20942	0.05451	18.2
BIGELOW	13.8	BGLO	16	1	1.08	9863.4	0	235.8	19.7	10072.5	10564.6	240.8	20.4	10201.5	10201.5	243.8	21	N/A	8541.5	0	204.2	19.7	0.04401	0.02311	0.86736	0.45545	0.04402	0.86745	0.03167	0.00000	0.78143	0.00000	0.00000	10.6
BIGELOW	115	BGLO	16	3	1.08	11841.2	0	2358.6	7.0	10609.1	5278.5	2113.2	6.9	7298.1	7298.1	1453.7	6.7	6.7	10249.4	0	2041.5	7	0.85691	0.00648	5.9673	0.04512	0.85735	5.97369	2.64855	0.02003	17.0766	17.07660	0.12912	11.8
Biglow V51	230	Bcw1	22	7	1.06	16060.7	0	6398.1	21.9	15962.9	14355.6	6359.2	18.2	15304.2	15304.2	6096.8	15	15	14038.1	0	5592.4	21.2	0.40111	0.00076	8.76724	0.01657	0.41699	8.60486	1.02302	0.00193	10.1972	10.19720	0.01928	16.1
BINGEN	69	BINGEN	22	1	1.06	1750.3	0	209.2	6.0	1586.6	849.0	189.6	6.1	1143.5	1143.5	136.7	6.8	6.8	1515.8	0	181.2	6	4.00392	0.08410	23.8287	0.50050	4.00455	23.8288	8.12653	0.17069	62.1174	62.11740	1.30471	1.8
BLACKROCK	12.5	BLAC	25	3	1.08	3287.3	0	71.2	14.7	3336.2	3454.6	72.2	15	3368.8	3368.8	72.9	15.2	15.2	2846.8	0	61.6	14.7	0.16096	0.10301	2.36741	1.51514	0.16096	2.36754	0.13488	0.08632	2.19639	2.19639	1.40569	3.5
BLACKROCK	115	T 9/4-5	25	3	1.03	6592.9	0	1313.2	5.1	6114.5	4004.7	1217.9	5.2	4981.1	4981.1	992.2	5.7	5.7	5706.9	0	1136.7	5.1	2.01966	0.01527	10.2139	0.07723	2.02038	10.2238	3.08806	0.02335	20.2848	20.28480	0.15338	6.6
BLACKSAND	230		17	21	1.05	11184.8	0	4455.7	7.3	10159.5	6148.8	4047.3	7.3	7929.7	7929.7	3159	7.4	7.4	9679.5	0	3856	7.3	1.69012	0.00319	12.3935	0.02343	1.6908	12.4111	3.73838	0.00707	27.6427	27.64270	0.05225	11.2
BLANTON TAP	115	T 8/2	20	3	1.04	2741.1	0	546.0	2.8	2501.2	1133.9	498.2	2.9	1604.7	1604.7	319.6	3.8	3.8	2371.4	0	472.4	2.8	8.408	0.06358	23.6513	0.17884	8.41793	23.7033	16.2045	0.12253	76.9646	76.96460	0.58196	2.7
BLANTON-FPUD	115		20	1	1.04	2596.6	0	517.2	2.8	2369.5	1065.6	472	2.9	1511.8	1511.8	301.1	3.8	3.8	2246.5	0	447.5	2.8	8.94763	0.06766	24.9421	0.18860	8.95756	24.9941	17.2365	0.13033	82.0009	82.00090	0.62004	2.6
BLK CNYN	69	BLK CNYN	24	26	1.04	3181.6	0	380.2	2.5	3196.5	2766.0	382	2.6	2957.7	2957.7	353.5	2.9	2.9	2750.7	0	328.7	2.5	4.91555	0.10325	12.0788	0.25370	4.92868	12.1208	3.98341	0.08367	15.5466	15.54660	0.32654	3.2
BLUE RIV TAP	115	T 6/1	4	3	1.10	3547.4	0	706.6	7.6	3391.3	2867.0	675.5	7.7	3156.5	3156.5	628.7	7.8	7.8	3057.9	0	609.1	7.6	2.6807	0.02027	20.3212	0.15366	2.71608	20.5093	3.35589	0.02538	27.7216	27.72160	0.20962	3.5
BlueLake V66	230	Bllk	2	7	1.08	25187.6	0	10034.0	12.4	24391.1	20482.8	9716.7	11.3	22562.8	22562.8	8988.4	10	10	21780.8	0	8676.8	12.3	0.46016	0.00087	5.69816	0.01077	0.467	5.71462	0.98628	0.00186	7.63662	7.63662	0.01444	25.2
BOARDMAN	115	BOAD	23	3	1.04	16945.9	0	3375.4	12.1	16533.4	15303.4	3293.2	12.1	16036.0	16036	3194.2	12	12	14632.8	0	2914.7	12.1	0.33557	0.00254	4.06469	0.03073	0.33771	4.08843	0.40028	0.00303	4.73201	4.73201	0.03578	16.9
BOARDMAN	230	BOAD	23	3	1.04	15405.7	0	6137.2	10.7	14204.7	9719.5	5658.7	10.5	11854.3	11854.3	4722.4	9.9	9.9	13268.7	0	5285.9	10.7	0.83484	0.00158	8.94217	0.01690	0.84394	9.04065	1.85578	0.00351	16.8532	16.85320	0.03186	15.4
BOARDMAN BK1	7.2	Bk1 tert	23	3	1.04	43260.3	0	539.5	71.8	37447.2	0.0	467	71.6	0.0	0	0	934.9	N/A	37447.2	0	467	71.6	0.00139	0.00268	0.09999	0.19288	0.0014	0.10009	0	0.00000	-5.00E+07	0.00000	0.00000	43.3
BOARDMAN BK2	12.8	Bk2 tert	23	3	0.98	5796.9	0	128.5	339.6	5019.7	0.0	111.3	338.6	0.0	0	0	51220.5	N/A	5019.7	0	111.3	338.6	0.00367	0.00224	1.24661	0.76087	0.00369	1.24687	0	0.00000	-5.00E+07	0.00000	0.00000	5.8
BOARDMAN BK2	69	BOAD	23	3	1.04	5268.2	0	629.6	15.8	5444.5	5929.0	650.7	16	5576.1	5576.1	666.4	16.1	16.1	4559.9	0	545	15.8	0.49599	0.01042	7.85679	0.16502	0.49676	7.86533	0.39286	0.00825	6.54802	6.54802	0.13753	5.9
Boardman PGE	230	Bnp1	23	7	1.03	4878.6	0	1943.5	7.9	4569.8	2828.8	1820.5	7.1	3577.0	3577	1425	5.4	5.4	4216.1	0	1679.6	7.9	3.5239	0.00666	27.8519	0.05265	3.52812	27.9707	13.9281	0.02633	57.1112	57.11120	0.10796	4.9
Boardman PGE	525	Bnp1	23	7	1.02	18438.9	0	16767.0	24.0	18701.4	18860.2	17005.6	19.8	18617.9	18617.9	16929.8	16.9	16.9	15942.5	0	14496.9	21.3	0.69874	0.00025	16.7422	0.00607	0.87501	16.7894	1.36304	0.00049	16.1688	16.16880	0.00587	18.9
BONNERS F	13.8	BOFE	16	3	1.09	5120.2	0	122.4	13.0	5288.4	5732.9	126.4	13.4	5360.8	5360.8	128.1	13.7	13.7	4394.3	0	105	12.7	0.12965	0.06808	1.68631	0.88548	0.13765	1.71651	0.0865	0.04542	1.4304	1.43040	0.75110	5.7
BONNERS F	115	BOFE	16	3	1.04	4186.7	0	833.9	5.9	3628.8	2137.9	722.8	5.8	2675.0	2675	532.8	5.9	5.9	3420.7	0	681.4	5.8	2.73985	0.02072	16.2577	0.12293	3.24821	18.1764	6.8895	0.05209	41.8996	41.89960	0.31682	4.2
BONNVILE	115	BOPH	2	3	1.06	10243.4	0	2040.3	9.0	12169.4	15856.5	2424	10.4	12449.1	12449.1	2479.7	10.7	10.7	8870.7	0	1766.9	8.9	0.76492	0.00578	6.8481	0.05178	0.76669	6.84835	0.05001	0.00038	3.23916	3.23916	0.02449	15.9
BOOTH BEND	115		3	1	1.09	10492.8	0	2090.0	4.6	9530.4	4977.6	1898.3	4.7	6752.9	6752.9	1345.1	5.4	5.4	9086.0	0	1809.8	4.6	1.47809	0.01118	6.76529	0.05116	1.47974	6.76652	2.95172	0.02232	18.2028	18.20280	0.13764	10.5
BOTHELL	115	BOTHELL	9	14	1.10	41064.0	0	8179.4	15.0	44231.0	51395.1	8810.2	13.7	45419.5	45419.5	9046.9	13.1	13.1	35378.8	0	7047	15	0.11763	0.00089	1.77016	0.01338	0.12005	1.78846	0.12903	0.00098	1.23921	1.23921	0.00937	51.4
BOTHELL	230	BOTHELL	9	14	1.10	38399.6	0	15297.3	11.3	36897.1	32212.7	14698.8	11	34682.6	34682.6	13816.5	10.5	10.5	32918.5	0	13113.8	11.3	0.33415	0.00063	3.77836	0.00714	0.34402	3.85534	0.51677	0.00098	4.90839	4.90839	0.00928	38.4
BOUNDARY	230	BOUN	16	3	1.05	17438.4	0	6947.0	15.5	19265.9	23532.8	7675	16.6	19821.0	19821	7896.1	16.4	16.4	14941.8	0	5952.4	14.5	0.51259	0.00097	7.94295	0.01502	0.59096	8.10887	0.17155	0.00032	4.91752	4.91752	0.00930	23.5
BOUNDARY BK1	115	BOUN	16	3	1.02	10962.1	0	2183.5	21.0	11938.7	14314.0	2378	22.6	12353.9	12353.9	2460.7	23.1	23.1	9445.9	0	1881.5	20.6	0.29449	0.00223	6.18544	0.04677	0.30927	6.24715	0.11012	0.00083	4.03634	4.03634	0.03052	14.3
BOX CNY	115	BOX CNYN	16	1	1.03	7546.6	0	1503.2	9.0	7672.9	7894.1	1528.3	9.6	7615.8	7615.8	1517	10	10	6449.4	0	1284.6	8.9	0.99321	0.00751	8.98638	0.06795	1.04544	9.22355	0.6266	0.00474	8.53466	8.53466	0.06453	7.9
BOX CNY TAP	115	T 30/2-3	16	3	1.03	8029.8	0	1599.4	10.3	7742.2	6862.5	1542.1	10	7320.8	7320.8	1458.2	9.6	9.6	6878.8	0	1370.2	10.2	0.8209	0.00621	8.45672	0.06394	0.85076	8.64042	1.23251	0.00932	10.7094	10.70940	0.08098	8.0
BOYER E-PP&L	115	BOYER E-	71	9	1.08	4350.4	0	866.5	2.7	4072.1	2223.6	811.1	2.9	2949.1	2949.1	587.4	3.8	3.8	3767.4	0	750.4	2.7	5.67022	0.04288	15.4904	0.11713	5.67167	15.4909	7.39937	0.05595	39.5722	39.57220	0.29922	4.4
BOYER W-PP&L	115	BOYER W-	71	9	1.08	4349.8	0	866.4	2.7	4071.6	2223.5	811	2.9	2948.9	2948.9	587.4	3.8	3.8	3767.0	0	750.3	2.7	5.67072	0.04288	15.4924	0.11714	5.67216	15.493	7.39979	0.05595	39.5725	39.57250	0.29922	4.3
BPA TANNER	115	TNR	9	10	1.10	9687.9	0	1929.7	6.0	8665.6	4193.9	1726.1	6.1	5837.6	5837.6	1162.8	6.5	6.5	8366.5	0	1666.5	6	1.24176	0.00939	7.45599	0.05638	1.24909	7.49771	3.21958	0.02434	22.2433	22.24330	0.16819	9.7
BRASADA E	115	T 13/5	21	3	1.06	5282.5	0	1052.2	3.8	4817.6	2573.5	959.6	3.9	3457.8	3457.8	688.7	4.5	4.5	4569.0	0	910.1	3.8	3.39371	0.02566	12.9317	0.09778	3.39839	12.9656	6.46535	0.04889	33.9263	33.92630	0.25653	5.3
BRASADA W	115	T 13/4	21	3	1.06	5282.9	0	1052.3	3.8	4818.0	2573.6	959.7	3.9	3457.9	3457.9	688.8	4.5	4.5	4569.3	0	910.1	3.8	3.3937	0.02566	12.9306	0.09777	3.39838	12.9644	6.46535	0.04889	33.9253	33.92530	0.25652	5.3
BREWSTER-OKP	115	BREWSTER	17	16	1.05	4725.7	0	941.3	3.8	4343.8	2435.3	865.2	3.9	3215.3	3215.3	640.4	4.5	4.5	4092.1	0	815.1	3.8	3.7918	0.02867	14.2971	0.10811	3.7925	14.3009	6.44511	0.04873	35.0955	35.09550	0.26537	4.7
BRIDGE	138	BRIG	24	3	1.05	2259.9	0	540.2	4.6	2008.6	926.6	480.1	4.6	1302.6	1302.6	311.4	5	5	1939.5	0	463.6	4.6	7.87869	0.04137	36.2489	0.19034	8.132	36.8851	21.8125	0.11454	116.191	116.19100	0.61012	2.3
BRIDGE BK1	34.5	BRIG	24	3	1.04	4421.7	0	264.2	11.6	4772.6	5665.1	285.2	12.7	4831.8	4831.8	288.7	13.1	13.1	3724.2	0	222.5	11.4	0.40422	0.03396	4.67858	0.39308	0.43809	4.94163	0.13926	0.01170	3.23468	3.23468	0.27176	5.7
BRIDGEPORT N	115		17	15	1.05	4719.4	0	940.0	4.2	4337.8	2524.4	864	4.4	3289.8	3289.8	655.3	4.9	4.9	4086.6	0	814	4.2	3.41659	0.02583	14.401	0.10889	3.41735	14.4053	5.81548	0.04397	33.6226	33.62260	0.25424	4.7
BRINKENS C	69	BRCO	18	3	1.06	1212.3	0	144.9	8.6	1291.4	1419.6	154.3	9.6	1307.9	1307.9	156.3	10.4	10.4	1049.7	0	125.5	8.6	3.98783	0.08376	34.4518	0.72363	3.98971	34.4586	1.27827	0.02685	27.0802	27.08020	0.56879	1.4
BRINKENS C	115	BRCO	18	3	1.06	3212.3	0	639.8	2.7	2944.5	1365.4	586.5	2.9	1918.5	1918.5	382.1	3.7	3.7	2780.7	0	553.9	2.7	7.5242	0.05689	20.4721	0.15480	7.52941	20.4908	13.6289	0.10305	64.7719	64.77190	0.48977	3.2
BROADVIEW	230	BROADVIE	14	40	1.04	17603.6	0	7012.8	18.5	17770.3	18181.5	7079.2	18.4	17876.0	17876	7121.3	18.3	18.3	15235.0	0	6069.2	18.8	0.42284	0.00080	7.81453	0.01477	0.41016	7.82564	0.42852	0.00081	7.44549	7.44549	0.01407	18.2
BROADVIEW	525	BROADVIE	14	40	1.05	11346.3	0	10317.5	17.1	10734.5	7832.5	9761.2	16.4	9407.9	9408.8	8554.9	15	15	9974.4	0	9070	17.1	1.628	0.00059	27.8985	0.01012	1.57913	27.0696	3.51245	0.00127	45.9195	45.91950	0.01666	11.3
BROADVIEW A	525	BROADVIE	14	40	1.05	12220.8	0	11112.7	3.9	11732.3	8530.0	10668.5	3.9	10473.3	10473.8	9523.7	3.9	3.9	10993.0	0	9996.2	3.6	2.39289	0.00087	11.9343	0.00433	2.33926	11.5844	3.11208	0.00113	28.6263	28.62630	0.01039	12.2
BROADVIEW B	525	BROADVIE	14	40	1.04	12236.0	0	11126.6	3.8	11766.9	8534.8	10700	3.8	10495.4	10495.9	9543.8	3.9	3.9	11024.3	0	10024.7	3.6	2.38485	0.00087	11.5693	0.00420	2.33182	11.2018	3.10942	0.00113	28.325	28.32500	0.01028	12.2
BROOKINGS	115	CCEC	6	1	1.07	1398.5	0	278.6	2.9	1286.5	651.1	256.2	3	889.5	889.5	177.2	3.7	3.7	1211.0	0	241.2	2.9	16.5386	0.12506	47.867	0.36194	16.5403	47.881	28.5954	0.21622	135.025	135.02500	1.02098	1.4
BROTHERS-MEC	115		21	1	1.07	655.4	0	130.5	3.9	590.7	264.7	117.7	4	377.1	377.1	75.1	4.8	4.8	567.4	0	113	3.9	26.8366	0.20292	104.546	0.79052	26.8475	104.619	61.5807	0.46564	341.693	341.69300	2.58369	0.7
BUCKLEY NT1	525	BKLY	22	3	1.03	18376.4	0	16710.1	19.9	16677.6	8700.1	15165.4	17.3	11787.5	11787.5	10718.7	11.7	11.7	15880.7	0	14440.7	19.6	0.84905	0.00031	16.8951	0.00613	0.87921	16.9655	4.99791	0.00181	44.9696	44.96960	0.01632	18.4
BURBANK	12.5	BURB	20	3	1.07	3272.6	0	70.9	15.8	3289.8	3333.6	71.2	15.9	3302.8	3302.8	71.5	16	16	2834.1	0	61.4	15.8	0.1495	0.09568	2.36233	1.51189	0.14951	2.36243	0.1408	0.09011	2.29778	2.29778	1.47058	3.3
BURBANK	115	T 5/5	20	3	1.03	13514.5	0	2691.9	7.4	12302.2	7572.6	2450.4	7.4	9698.9	9698.9	1931.9	7.3	7.3	11694.8	0	2329.4	7.4	0.67397	0.00510	4.99888	0.03780	0.67459	5.00666	1.49763	0.01132	10.8869	10.88690	0.08232	13.5
BURLEY	12.5	BURL	24	1	1.06	11811.4	0	255.7	19.2	12348.0	13550.4	267.3	20.8	12619.7	12619.7	273.2	22	N/A	10227.5	0	221.4	19.2	0.03374	0.02159	0.64835	0.41494	0.03383	0.64854	0.01534	0.00000	0.52416	0.00000	0.00000	13.6
BURLEY	138	BURL	24	3	1.06	8061.0	0	1926.8	4.6	7314.1	4389.2	1748.2	4.6	5677.0	5677	1356.9	4.6	4.6	6972.8	0	1666.7	4.6	2.24163	0.01177	10.2601	0.05388	2.2535	10.2831	5.03933	0.02646	23.1667	23.16670	0.12165	8.1
BURLEY TAP	138	T 3/10	24	3	1.06	8104.4	0	1937.1	4.6	7353.7	4425.0	1757.7	4.6	5717.6	5717.6	1366.6	4.6	4.6	7010.2	0	1675.6	4.6	2.22258	0.01167	10.2068	0.05360	2.23445	10.2297	4.99933	0.02625	22.9648	22.96480	0.12059	8.1

BURNS	525		77	9	1.04	6001.3	0	5457.1	15.7	5437.2	2356.9	4944.2	13.3	3385.5	3385.5	3078.5	7.4	7.4	5193.6	0	4722.7	15.7	3.33432	0.00121	52.4848	0.01904	3.37615	52.5565	30.7346	0.01115	172.11	172.11000	0.06244	6.0
BURNS CP	525		77	9	1.04	6002.3	0	5458.1	15.8	5438.2	2357.0	4945.1	13.3	3385.8	3385.8	3078.8	7.4	7.4	5194.5	0	4723.5	15.7	3.32539	0.00121	52.4758	0.01904	3.36721	52.5476	30.733	0.01115	172.11	172.11000	0.06244	6.0
BURNT WOODS	24.9	BUWD	4	3	1.12	1517.3	0	65.4	7.5	1583.1	1668.0	68.3	8.2	1589.4	1589.4	68.5	8.8	8.8	1314.1	0	56.7	7.5	1.4011	0.22598	10.5504	1.70165	1.40116	10.5498	0.65789	0.10611	9.18359	9.18359	1.48120	1.7
BURNT WOODS	115	BUWD	4	3	1.07	2349.6	0	468.0	1.8	2220.7	1181.3	442.3	2	1578.4	1578.4	314.4	2.5	2.5	2035.1	0	405.4	1.8	14.5043	0.10967	26.6738	0.20169	14.5056	26.6629	20.6938	0.15647	72.8221	72.82210	0.55064	2.3
BURROWS BAY	115	BRW	9	10	1.07	11105.6	0	2212.1	4.9	10211.2	6897.6	2033.9	4.9	8495.5	8495.5	1692.2	4.9	4.9	9601.6	0	1912.5	4.9	1.28159	0.00969	6.27694	0.04746	1.28412	6.2985	2.42766	0.01836	12.0476	12.04760	0.09110	11.1
CALPINE	525		23	1	1.01	18373.7	0	16707.7	22.9	17323.8	13589.6	15753	21.3	15523.7	15523.7	14116.1	18.8	18.8	15809.6	0	14376.1	22.6	0.72451	0.00026	16.6163	0.00603	0.75422	16.8309	1.65016	0.00060	25.5267	25.52670	0.00926	18.4
CALTON TAP	115	T 19/8	3	3	1.09	15157.6	0	3019.2	6.4	14040.9	9294.8	2796.7	6.6	11522.6	11522.6	2295.1	7.2	7.2	13124.9	0	2614.3	6.4	0.73997	0.00560	4.73166	0.03578	0.74165	4.73286	1.13174	0.00856	9.25398	9.25398	0.06997	15.2
CANAL	34.5	CNAL	24	3	1.05	4514.5	0	269.8	15.4	4468.7	4202.6	267	16.3	4352.2	4352.2	260.1	17.7	17.7	3908.9	0	233.6	15.3	0.29984	0.02519	4.60487	0.38688	0.30046	4.60669	0.21047	0.01768	5.1255	5.12550	0.43062	4.5
CANAL	138	CNAL	24	3	1.06	5693.3	0	1360.8	3.7	5181.1	2783.4	1238.4	3.8	3733.7	3733.7	892.4	4.3	4.3	4922.4	0	1176.6	3.7	3.85394	0.02024	14.2943	0.07506	3.87012	14.3407	7.77745	0.04084	37.292	37.29200	0.19582	5.7
CANAL TAP	138	T 12/5-6	24	3	1.06	6551.2	0	1565.9	3.5	5995.6	3390.5	1433.1	3.6	4461.2	4461.2	1066.3	4	4	5662.6	0	1353.5	3.5	3.53031	0.01854	12.376	0.06499	3.54675	12.4228	6.62892	0.03481	30.2167	30.21670	0.15867	6.6
CANBY	230	CABY	26	3	1.07	3772.6	0	1502.9	8.8	3495.5	2456.9	1392.5	8.6	2967.2	2967.2	1182.1	8.3	8.3	3257.7	0	1297.8	8.8	4.25839	0.00805	37.4579	0.07081	4.29656	37.6747	8.63047	0.01631	67.6318	67.63180	0.12785	3.8
CANBY BK1	69	CABY	26	3	1.07	3253.3	0	388.8	20.1	3363.8	3604.8	402	18.7	3417.5	3417.5	408.4	17.8	17.8	2815.3	0	336.5	20	0.65228	0.01370	13.0992	0.27514	0.65571	13.1187	0.798	0.01676	11.1779	11.17790	0.23478	3.6
CANBY TAP	230	T 44/9	26	3	1.07	4541.7	0	1809.3	9.6	4269.6	3299.0	1700.9	9.4	3808.6	3808.6	1517.2	9.1	9.1	3919.5	0	1561.4	9.6	3.24257	0.00613	31.1464	0.05888	3.28075	31.3633	5.7154	0.01080	48.8476	48.84760	0.09234	4.5
CAPE HORN	115	T 12/3.1	2	3	1.07	7997.2	0	1592.9	7.0	7237.0	4183.0	1441.5	7	5492.3	5492.3	1094	6.9	6.9	6925.0	0	1379.4	7	1.25683	0.00950	8.76887	0.06631	1.25953	8.77043	3.01802	0.02282	20.759	20.75900	0.15697	8.0
CAPT JACK S	525	CPJK	26	3	1.03	28311.7	0	25744.5	11.3	25339.9	11770.1	23042.3	10.5	16552.2	16552.2	15051.4	8.4	8.4	24403.1	0	22190.4	11.1	0.9777	0.00035	11.025	0.00400	1.02611	11.1258	4.72566	0.00171	34.2439	34.24390	0.01242	28.3
CAPT JK CAPS	525	CPJK	26	3	1.04	28071.1	0	25525.8	1.5	26701.4	11591.1	24280.3	1.5	18475.5	18476.1	16800.3	1.6	1.6	24551.5	0	22325.3	1.3	1.95922	0.00071	-15.154	-0.00550	2.04135	-15.003	4.91352	0.00178	12.654	12.65400	0.00459	28.1
CARBORUNDUM	115		2	19	1.07	13410.2	0	2671.1	5.6	12448.1	8594.1	2479.5	5.6	10471.9	10471.9	2085.9	5.9	5.9	11609.7	0	2312.5	5.5	0.93591	0.00708	5.21156	0.03941	0.94393	5.21372	1.53009	0.01157	9.62879	9.62879	0.07281	13.4
CARDWELL	115	CARD	5	3	1.06	14893.8	0	2966.6	7.4	13347.7	6614.1	2658.7	7.3	9159.0	9159	1824.3	7	7	12896.5	0	2568.8	7.3	0.63536	0.00480	4.69073	0.03547	0.64117	4.69137	2.01174	0.01521	13.4749	13.47490	0.10189	14.9
CARLTON	115	CARL	3	3	1.09	15180.7	0	3023.8	6.4	14065.8	9330.8	2801.7	6.6	11556.9	11556.9	2302	7.2	7.2	13144.8	0	2618.3	6.4	0.73645	0.00557	4.72481	0.03573	0.73813	4.72601	1.12284	0.00849	9.21305	9.21305	0.06966	15.2
CARLTON	230	CARL	3	3	1.09	10712.1	0	4267.4	8.1	9784.0	6072.9	3897.7	8	7749.9	7749.9	3087.4	7.7	7.7	9275.1	0	3694.9	8.1	1.65287	0.00312	13.4105	0.02535	1.65941	13.4151	3.858	0.00729	28.7433	28.74330	0.05434	10.7
CARMEN	115	CARMEN	4	20	1.10	2832.9	0	564.3	9.6	3109.3	3631.2	619.3	11	3166.8	3166.8	630.8	11.7	11.7	2440.5	0	486.1	9.5	2.68306	0.02029	25.7178	0.19446	2.73201	25.9872	0.49246	0.00372	17.4369	17.43690	0.13185	3.6
CARMEN TAP	115	T 2/5	4	3	1.10	3438.0	0	684.8	8.0	3395.2	3211.1	676.3	8.3	3303.6	3303.6	658	8.6	8.6	2961.9	0	590	8	2.61306	0.01976	20.9887	0.15870	2.65479	21.2063	2.39316	0.01810	23.3939	23.39390	0.17689	3.4
CARROLS-CWTZ	115	CARROLS-	5	34	1.06	14339.1	0	2856.2	7.0	12959.0	7241.1	2581.3	7	9621.2	9621.2	1916.4	7.2	7.2	12415.9	0	2473.1	7	0.69626	0.00526	4.86824	0.03681	0.70254	4.86904	1.6284	0.01231	12.0413	12.04130	0.09105	14.3
CARSON	12.5	CARS	2	1	1.06	7293.0	0	157.9	18.4	7588.8	8257.9	164.3	19.6	7745.7	7745.7	167.7	20.6	N/A	6315.9	0	136.7	18.4	0.057	0.03648	1.04796	0.67069	0.05702	1.04796	0.02972	0.00000	0.86511	0.00000	0.00000	8.3
CARSON	115	CARS	2	3	1.06	4489.5	0	894.2	6.7	4254.5	3441.3	847.4	6.7	3896.0	3896	776	6.7	6.7	3887.9	0	774.4	6.7	2.32001	0.01754	15.5506	0.11758	2.3219	15.5509	3.32848	0.02517	22.6639	22.66390	0.17137	4.5
CARSON TAP	115	T9/6-9/7	2	3	1.06	4794.5	0	955.0	7.2	4591.6	3913.8	914.6	7.2	4309.5	4309.5	858.4	7.3	7.3	4152.1	0	827	7.2	2.01582	0.01524	14.5839	0.11028	2.01771	14.5841	2.67644	0.02024	19.5096	19.50960	0.14752	4.8
Carty	525	Crp1	23	7	1.02	18458.8	0	16785.0	24.0	18757.6	19056.4	17056.8	19.8	18723.7	18723.7	17026	17	17	15960.0	0	14512.8	21.2	0.69661	0.00025	16.7224	0.00607	0.88479	16.7682	1.32441	0.00048	15.9244	15.92440	0.00578	19.1
CASCAD S TAP	230	T 10/4	3	3	1.09	14729.2	0	5867.7	9.6	13607.8	9168.1	5421	9.4	11298.6	11298.6	4501	8.9	8.9	12752.2	0	5080.1	9.6	1.01818	0.00192	9.76511	0.01846	1.02451	9.76999	2.26216	0.00428	18.62	18.62000	0.03520	14.7
CASCADE L TP	115	T 7/1-2	2	3	1.06	7628.6	0	1519.5	6.0	7104.5	5156.8	1415.1	6	6153.8	6153.8	1225.8	6.1	6.1	6606.6	0	1315.9	6	1.53376	0.01160	9.13698	0.06909	1.53516	9.13661	2.53324	0.01915	15.7234	15.72340	0.11889	7.6
CASCADE LOCK	13.8	CALK	2	3	1.11	2922.2	0	69.8	15.6	2951.2	3019.0	70.5	15.8	2969.8	2969.8	71	16.1	16.1	2530.7	0	60.5	15.6	0.19373	0.10173	3.02814	1.59008	0.19376	3.02813	0.16928	0.08889	2.88338	2.88338	1.51406	3.0
CASCADE LOCK	115	CALK	2	3	1.06	7576.9	0	1509.2	5.9	7052.5	5096.2	1404.7	6	6093.8	6093.8	1213.8	6	6	6561.8	0	1307	5.9	1.5536	0.01175	9.19782	0.06955	1.555	9.19744	2.57556	0.01947	15.9324	15.93240	0.12047	7.6
CASCADE STL	230	CAST	3	1	1.09	7409.2	0	2951.6	9.4	6787.2	4219.2	2703.8	9.2	5376.0	5376	2141.7	8.5	8.5	6415.6	0	2555.8	9.4	2.06037	0.00389	19.4091	0.03669	2.0667	19.4139	5.26601	0.00995	41.3272	41.32720	0.07812	7.4
CATHLAMET	12.5	CATH	5	1	1.07	7785.6	0	168.6	10.3	8127.4	8790.5	176	11	8258.1	8258.1	178.8	11.5	N/A	6742.5	0	146	10.3	0.09568	0.06124	0.98683	0.63157	0.09574	0.98681	0.05111	0.00000	0.82003	0.00000	0.00000	8.8
CATHLAMET	115	CATH	5	3	1.07	4859.7	0	968.0	3.7	4445.4	2424.4	885.5	3.9	3236.2	3236.2	644.6	4.4	4.4	4208.7	0	838.3	3.7	3.77264	0.02853	14.1177	0.10675	3.77727	14.1158	7.04245	0.05325	35.9618	35.96180	0.27192	4.9
CATTLE C E	115	CACR	24	3	1.05	5814.5	0	1158.2	7.8	5629.3	4804.1	1121.3	8	5280.8	5280.8	1051.9	8.4	8.4	5054.0	0	1006.7	7.8	1.51854	0.01148	11.9014	0.08999	1.53838	11.8101	1.65095	0.01248	15.6389	15.63890	0.11825	5.8
CATTLE C W	115	CACR	24	3	1.05	5814.5	0	1158.2	7.8	5629.4	4804.2	1121.3	8	5280.8	5280.8	1051.9	8.4	8.4	5054.1	0	1006.7	7.8	1.51845	0.01148	11.9013	0.08999	1.53829	11.81	1.65091	0.01248	15.6389	15.63890	0.11825	5.8
CEDARVL	69	CJCT	26	3	1.13	2156.9	0	257.8	12.2	1956.0	974.0	233.8	11	1337.3	1337.3	159.8	7.7	7.7	1860.4	0	222.3	12.2	1.69855	0.03568	20.7466	0.43576	1.72529	20.9124	9.54392	0.20046	58.2219	58.22190	1.22289	2.2
CEDARVL	115	CJCT	26	3	1.08	3557.1	0	708.5	8.3	3693.5	4020.2	735.7	8.6	3735.3	3735.3	744	8.9	8.9	3048.3	0	607.2	8.2	2.41808	0.01828	19.9757	0.15104	2.48603	20.3968	1.52002	0.01149	16.7533	16.75330	0.12668	4.0
CEDARVL BK1	13.8	CJCT	26	3	1.13	6818.3	0	163.0	15.0	5889.9	0.0	140.8	14.9	0.0	0	0	2393.4	N/A	5889.9	0	140.8	14.9	0.0878	0.04610	1.31406	0.69001	0.08887	1.32069	0	0.00000	-5.00E+07	0.00000	0.00000	6.8
CELILO	525	CELO	19	3	1.02	33313.1	0	30292.5	20.4	33463.2	33638.1	30429	19.6	33416.7	33416.7	30386.7	18.8	18.8	28799.7	0	26188.4	20.2	0.45571	0.00017	9.31169	0.00338	0.46853	9.34365	0.5539	0.00020	9.18724	9.18724	0.00333	33.6
CELILO SS #1	13.2	CELO	22	3	1.07	8826.0	0	201.8	6.4	7644.3	0.0	174.8	6.4	0.0	0	0	51807.1	N/A	7644.3	0	174.8	6.4	0.14163	0.08128	0.91218	0.52352	0.14162	0.91199	0.20027	0.00000	-4.90E+05	0.00000	0.00000	8.8
CELILO SS #2	13.2	CELO	22	3	1.03	6710.4	0	153.4	6.1	5811.5	0.0	132.9	6.1	0.0	0	0	64059.3	N/A	5811.5	0	132.9	6.1	0.18768	0.10771	1.15056	0.66033	0.18768	1.15053	0.23662	0.00000	-4.90E+05	0.00000	0.00000	6.7
CELILO SS #3	13.2	CELO	22	3	1.08	5696.5	0	130.2	7.1	4933.4	0.0	112.8	7.1	0.1	0.1	0	184684.2	N/A	4933.4	0	112.8	7.1	0.20174	0.11578	1.43347	0.82270	0.20174	1.43341	0.42432	0.00000	-3.30E+05	0.00000	0.00000	5.7
CELILO TB3-D	239.5	CELO	19	3	1.00	12368.1	0	5130.6	59.5	10708.1	0.0	4442	59.1	0.0	0	0	79491	N/A	10708.1	0	4442	59.1	0.18715	0.00033	11.1355	0.01941	0.18968	11.1418	0	0.00000	-5.00E+07	0.00000	0.00000	12.4
CELILO TB3-Y	239.5	CELO	19	3	1.00	12349.1	0	5122.7	61.5	12359.2	12372.7	5126.9	60.2	12357.4	12357.4	5126.2	59	59	10691.6	0	4435.2	61.1	0.18142	0.00032	11.1527	0.01944	0.18394	11.159	0.20176	0.00035	11.1237	11.12370	0.01939	12.4
CELILO TB4-D	239.5	CELO	19	3	1.00	12400.0	0	5143.9	59.3	10735.7	0.0	4453.4	59	0.0	0	0	79075.7	N/A	10735.7	0	4453.4	59	0.18715	0.00033	11.1068	0.01936	0.18968	11.1131	0	0.00000	-5.00E+07	0.00000	0.00000	12.4
CELILO TB4-Y	239.5	CELO	19	3	1.00	12317.5	0	5109.6	61.6	12328.1	12343.4	5114	60.3	12326.9	12326.9	5113.5	59.1	59.1	10664.2	0	4423.8	61.2	0.18142	0.00032	11.1814	0.01949	0.18394	11.1877	0.20172	0.00035	11.149	11.14900	0.01944	12.3
CENTRAL F B1	34.5	Bk1 tert	18	3	1.02	24979.1	0	1492.6	46.5	21489.0	0.0	1284.1	46.2	0.0	0	0	4621.2	N/A	21489.0	0	1284.1	46.2	0.01755	0.00147	0.81577	0.06854	0.018	0.82666	0	0.00000	-5.00E+07	0.00000	0.00000	25.0
CENTRAL F W	525	CEFE	18	3	1.02	22340.4	0	20314.8	22.4	21115.3	17264.1	19200.7	18.9	18973.5	18973.5	17253.1	15.1	15.1	18838.9	0	17130.7	21.9	0.61628	0.00022	13.8062	0.00501	0.68104	14.5502	1.92569	0.00070	20.3543	20.35430	0.00738	22.3
CENTRAL F1	230	CEFE	18	3	1.02	20029.5	0	7979.2	33.3	20863.7	23371.6	8311.5	27.3	20956.0	20956	8348.3	24.5	24.5	16845.9	0	6710.9	32.5	0.20375	0.00039	6.77579	0.01281	0.22547	7.17782	0.36213	0.00068	5.4677	5.46770	0.01034	23.4
CENTRALIA	69	CENT	10	3	1.06	6532.5	0	780.7	5.3	5657.0	848.0	676.1	5.3	1494.7	1494.7	178.6	5.8	5.8	5633.2	0	673.2	5.3	1.19608	0.02512	6.3787	0.13398	1.2112	6.4323	12.1314	0.25481	71.0269	71.02690	1.49185	6.5
CENTRALIA P1	525	CSP1	10	36	1.02	21459.2	0	19513.4	22.2	21373.5	20705.8	19435.5	20.4	21041.1	21041.1	19133.2	18.8	18.8	18553.2	0	16870.9	21.7	0.65147	0.00024	14.4563	0.00524	0.68558	14.5032	1.01755	0.00037	15.2534	15.25340	0.00553	21.5
CENTRALIA P2	525	CSP2	10	36	1.02	21527.9	0	19575.9	22.1	21453.7	20825.9	19508.4	20.3	21136.1	21136.1	19219.6	18.8	18.8	18612.5	0	16924.8	21.6	0.65159	0.00024	14.4102	0.00523	0.68576	14.4572	1.00952	0.00037	15.1471	15.14710	0.00550	21.5
CGS-EOF	13.8		25	1	1.03	4546.4	0	108.7	15.5	4594.6	4685.8	109.8	15.9	4614.9	4614.9	110.3	16.3	16.3	3937.1	0	94.1	15.5	0.11696	0.06142	1.81002	0.95044	0.11698	1.8102	0.09465	0.04970	1.73041	1.73041	0.90864	4.7
CGS-EOF	115	T 2/4	25	3	1.03	11969.4	0	2384.1	3.6	11109.0	6437.3	2212.8	3.8	8370.4	8370.4	1667.3	4.5	4.5	10355.0	0	2062.6	3.6	1.54954	0.01172	5.52816	0.04180	1.55072	5.54034	2.18999	0.01656	12.9859	12.98590	0.09819	12.0
CGS-TRB	115	WNPT	25	1	1.03	10855.4	0	2162.3	3.2	10129.7	5860.9	2017.7	3.4	7614.5	7614.5	1516.7	4.2	4.2	9392.2	0	1870.8	3.2	1.88233	0.01423	6.04152	0.04568	1.88351	6.05369	2.49436	0.01886	14.2349	14.23490	0.10764	10.9
CGS-TRS	230	WNP2	25	1	1.04	8189.8	0	3262.6	7.5	7697.4	5960.8	3066.4	7.5	6894.8	6894.8	2746.7	7.6	7.6	7087.5	0	2823.4	7.5	2.23989	0.00423	16.7608	0.03168	2.24231	16.7851	3.40154	0.00643	26.1937	26.19370	0.04952	8.2
CHANDLER	115	CHPH	25	1	1.04	5031.0	0	1002.1	2.9	4872.5	3276.0	970.5	3.1	3970.8	3970.8	790.9	4	4	4348.2	0	866.1	2.9	4.49173	0.03396	12.9036	0.09757	4.52374	12.9511	3.56079	0.02692	24.5329	24.53290	0.18550	5.0
CHANDLER TAP	115	T 14/5-6	25	3	1.04	6076.7	0	1210.4	3.0	5784.8	3695.9	1152.2	3.3	4596.7	4596.7	915.6	4.1	4.1	5253.3	0	1046.4	3	3.53669	0.02674	10.7473	0.08127	3.55734	10.7825	3.58748	0.02713	22.0518	22.05180	0.16674	6.1
CHARLO-MVP	69		15	1	1.10	3100.2	0	370.5	6.1	2820.5	1699.2	337.1	6.1	2195.3	2195.3	262.4	6.2	6.2	2684.9	0	320.9	6.1	2.29112	0.04812	13.975	0.29353	2.29086	13.9746	4.9163	0.10326	31.291	31.29100	0.65724	3.1
CHEHALIS	69	CHEH	10	3	1.07	22158.6	0	2648.2	18.5	19237.3	800.1	2299.1	17.9	1544.8	1544.8	184.6	6.3	6.3	19191.4	0	2293.6	18.3	0.10338	0.00217	1.91648	0.04025	0.10601	1.91603	12.6462	0.26562	77.7507	77.75070	1.63307	22.2
CHEHALIS	115	CHEH	10	3	1.07	4456.2	0	887.6	9.0	4410.7	3996.4	878.5	9.7	4214.9	4214.9	839.5	10.8	10.8	3859.5	0	768.8	9	1.7597	0.01331	15.7774	0.11930	1.76552	15.774	1.10039	0.00832	18.5887	18.58870	0.14056	4.5
CHEHALIS	230	CHEH	10	3	1.07	18167.3	0	7237.3	8.5	18676.0	19064.5	7440	9	18664.8	18664.8	7435.5	9.4	9.4	15782.0	0	6287.1	8.3	0.91668	0.00173	7.75495	0.01466	0.95062	7.70234	0.54025	0.00102	7.21765	7.21765	0.01364	19.1
CHEHALIS BK1	13.8	Bk1 tert	10	3	1.07	20441.1	0	488.6	33.9	17702.1	0.0	423.1	33.7	0.1	0.1	0	115762.5	N/A	17702.1	0	423.1	33.7	0.01228	0.00645	0.41589	0.21838	0.01238	0.4159	0	0.00000	-4.90E+05	0.00000	0.00000	20.4
CHEHALIS BK2	6.9	Bk2 tert	10	3	1.06	4238.2	0	50.7	113.7	3670.4	0.0	43.9	113.5	0.0	0	0	13758.3	N/A	3670.4	0	43.9	113.5	0.00877	0.01842	0.99717	2.09445	0.00879	0.99715	0	0.00000	-5.00E+07	0.00000	0.00000	4.2
CHEHL BK1 SS	13.8	CHEH	10	3	1.07	1509.1	0	36.1	458.9	1306.9	0.0	31.2	457	0.1	0.1	0	-388576853.6	N/A	1306.9	0	31.2	457	0.01228	0.00645	5.63588	2.95940	0.01238	5.63589	0	0.00000	-4.90E+05	0.00000	0.00000	1.5
CHELATCH TAP	115	CHELTCH*	2	3	1.06	6483.6	0	1291.4	7.4	6666.6	6963.6	1327.9	7.7	6714.9	6714.9	1337.5	7.9	7.9	5614.5	0	1118.3	7.4	1.45591	0.01101	10.7269	0.08111	1.45887	10.7282	1.00267	0.00758	9.65658	9.65658	0.07302	7.0
CHELATCHIE	115	CHELTCHE	2	19	1.06	5346.3	0	1064.9	5.6	5161.6	4408.3	1028.1	5.7	4832.1	4832.1	962.5	5.9	5.9	4629.7	0	922.2	5.6	2.31556	0.01751	12.9223	0.09771	2.31853	12.9236	2.65587	0.02008	17.1157	17.11570	0.12942	5.3
CHEM-CWTZ	230	CHEM-CWT	5	34	1.07	30068.4	0	11978.4	12.3	28352.8	21307.3	11294.9	11.3	24983.0	24983	9952.5	10.1	10.1	26082.7	0	10390.6	11.7	0.38169	0.00072	4.6924	0.00887	0.42206	4.67358	0.87182	0.00165	7.54989	7.54989	0.01427	30.1
CHEMAWA	59.8	CHEM	3	3	1.11	18472.4	0	1913.3	8.9	18469.2	17567.7	1913	9.5	18009.2	18009.2	1865.3	10.2	10.2	15996.4	0	1656.8	8.9	0.23176	0.00648	2.05797	0.05755	0.23204	2.05824	0.15669	0.00438	2.22622	2.22622	0.06225	18.5
CHEMAWA	115	CHEM	3	3	1.07	19095.9	0	3803.6	8.6	20227.4	22699.8	4029	9	20741.3	20741.3	4131.4	9.3	9.3	16535.9	0	3293.7	8.6	0.42988	0.00325	3.70832	0.02804	0.4309	3.70896	0.2425	0.00183	2.83458	2.83458	0.02143	22.7
CHEMAWA	230	CHEM	3	3	1.08	11199.1	0	4461.4	10.0	10791.1	9190.8	4298.9	10.3	10095.1	10095.1	4021.6	10.8	10.8	9697.6	0	3863.2	10	1.27001	0.00240	12.6899	0.02399	1.27375	12.6925	1.3574	0.00257	16.8819	16.88190	0.03191	11.2
CHEMAWA BK1	13.2	Bk1 tert	3	3	1.11	3080.6	0	70.4	281.5	2667.9	0.0	61	281.3	0.0	0	0	93101	N/A	2667.9	0	61	281.3	0.00972	0.00558	2.73728	1.57098	0.00974	2.73729	0	0.00000	-5.00E+07	0.00000	0.00000	3.1
CHEMAWA BK2	13.2	Bk2 tert	3	3	1.07	62158.2	0	1421.1	12.8	53828.7	0.0	1230.7	12.7	0.0	0	0	215.5	N/A	53828.7	0	1230.7	12.7	0.01029	0.00591	0.13119	0.07529	0.0103	0.1312	0	0.00000	-5.00E+07	0.00000	0.00000	62.2
CHENEY	115	CHEY	16	3	1.05	4461.4	0	888.7	3.1	4059.4	1863.6	808.6	3.3	2629.5	2629.5	523.8	4.1	4.1	3860.6	0	769	3.1	4.79202	0.03623	14.9486	0.11303	4.79749	14.9738	9.48287	0.07170	47.6702	47.67020	0.36046	4.5
CHENEY BK1	13.8	CHEY	16	1	1.05	5452.9	0	130.3	12.0	5662.7	6025.8	135.4	13	5724.8	5724.8	136.8	13.9	13.9	4721.8	0	112.9	12	0.12846	0.06745	1.53589	0.80650	0.12854	1.53625	0.05946	0.03122	1.32063	1.32063	0.69346	6.0
CHENEY BK2	13.8	CHEY	16	1	1.05	6234.2	0	149.0	10.6	6511.6	6996.4	155.6	11.6	6593.0	6593	157.6	12.3	12.3	5398.3	0	129	10.6	0.12606	0.06619	1.34217	0.70477	0.12614	1.34253	0.05706	0.02996	1.12691	1.12691	0.59174	7.0
CHENOWTH	115	CHEN	22	3	1.07	22904.1	0	4562.2	16.4	23295.5	23474.4	4640.1	14.9	23215.0	23215	4624.1	13.8	13.8	19859.2	0	3955.7	16.4	0.18925	0.00143	3.10356	0.02347	0.18915	3.09613	0.28798	0.00218	2.97919	2.97919	0.02253	23.5
CHENOWTH BK1	13.8	Bk1 tert	22	3	1.07	27384.8	0	654.6	33.9	23720.5	0.0	567	33.9	0.0	0	0	1309.4	N/A	23720.5	0	567	33.9	0.00919	0.00483	0.3117	0.16367	0.00918	0.31158	0	0.00000	-5.00E+07	0.00000	0.00000	27.4
CHENOWTH BK1	230	CHEN	22	3	1.08	18516.8	0	7376.5	13.3	17467.2	13239.1	6958.4	12.8	15457.0	15457	6157.6	11.7	11.7	16053.7	0	6395.3	13.3	0.57712	0.00109	7.69917	0.01455	0.57727	7.68205	1.20401	0.00228	12.2657	12.26570	0.02319	18.5
CHESHIRE	115	CHES	4	3	1.10	6622.6	0	1319.1	5.6	5937.2	2894.0	1182.6	5.7	4024.1	4024.1	801.5	6.1	6.1	5729.7	0	1141.3	5.6	1.92671	0.01457	10.8704	0.08220	1.92773	10.8922	4.93056	0.03728	32.0306	32.03060	0.24220	6.6
CHESHIRE 1	20.8	CHES	4	1	1.10	4715.6	0	169.9	16.6	4852.5	5155.4	174.8	17.4	4925.1	4925.1	177.4	18.2	18.2	4083.3	0	147.1	16.6	0.16859	0.03897	2.79921	0.64701	0.16863	2.79992	0.10556	0.02440	2.44359	2.44359	0.56481	5.2
CHIEF J(MB1)	230	CHJO	17	3	1.06	38584.5	0	15371.0	17.5	39678.2	42117.8	15806.7	18.4	40277.1	40277.1	16045.3	19.2	19.2	33417.4	0	13312.6	17.5	0.20792	0.00039	3.64851	0.00690	0.20786	3.64801	0.13108	0.00025	3.1918	3.19180	0.00603	42.1
CHIEF JO BK1	13.2	Bk1 tert	17	3	1.06	25530.4	0	583.7	65.7	22110.2	0.0	505.5	65.7	0.0	0	0	171279.8	N/A	22110.2	0	505.5	65.7	0.00482	0.00277	0.31665	0.18173	0.00482	0.31665	0	0.00000	-4.90E+05	0.00000	0.00000	25.5
CHIEF JO BK1	345	CHJO	17	3	1.07	11394.8	0	6809.1	23.5	11375.3	11211.7	6797.4	24.3	11300.5	11300.5	6752.7	25.1	25.1	9866.4	0	5895.7	23.5	0.79239	0.00067	18.6042	0.01563	0.79284	18.611	0.65457	0.00055	19.0697	19.06970	0.01602	11.4
CHIEF JO BK2	345	CHJO	17	3	1.07	12018.1	0	7181.5	28.0	12025.7	11935.2	7186.1	29.2	11974.5	11974.5	7155.5	30.4	30.4	10406.2	0	6218.3	28	0.6299	0.00053	17.6409	0.01482	0.63014	17.6469	0.48554	0.00041	17.8329	17.83290	0.01498	12.0
CHIEF JO E	525	CHJO	17	3	1.02	27625.9	0	25121.0	24.3	27045.7	25048.2	24593.3	24.2	26332.6	26332.6	23944.9	24	24	23978.0	0	21803.9	24.2	0.46103	0.00017	11.2192	0.00407	0.46312	11.1692	0.54939	0.00020	12.9214	12.92140	0.00469	27.6
CHIEF JO PH1	230	CJPH	17	3	1.06	31855.9	0	12690.5	15.7	31479.9	30217.8	12540.7	15.6	31017.0	31017	12356.3	15.4	15.4	27589.5	0	10990.9	15.7	0.28187	0.00053	4.41426	0.00834	0.28181	4.41378	0.31769	0.00060	4.77211	4.77211	0.00902	31.9
CHIEF JO PH2	230	CJPH	17	3	1.06	32214.3	0	12833.3	15.7	31720.2	29978.8	12636.4	15.5	31058.1	31058.1	12372.7	15.2	15.2	27900.0	0	11114.6	15.7	0.27805	0.00053	4.36547	0.00825	0.278	4.36498	0.33527	0.00063	4.85179	4.85179	0.00917	32.2
CHIEF JO PH3	230	CJPH	17	3	1.06	32605.9	0	12989.3	17.3	32253.4	30853.3	12848.8	16.9	31707.5	31707.5	12631.4	16.5	16.5	28239.4	0	11249.8	17.3	0.24967	0.00047	4.31499	0.00816	0.24956	4.31444	0.30909	0.00058	4.68005	4.68005	0.00885	32.6
CHIEF JO PH4	230	CJPH	17	3	1.06	32879.8	0	13098.4	17.4	32560.9	31266.4	12971.3	17	32055.0	32055	12769.8	16.6	16.6	28476.5	0	11344.2	17.4	0.24555	0.00046	4.27937	0.00809	0.24544	4.27882	0.30185	0.00057	4.60806	4.60806	0.00871	32.9
CHIEF JO PH5	525	CJPH	17	3	1.02	26551.8	0	24144.2	23.8	25850.3	23234.1	23506.4	23.1	24835.3	24835.3	22583.4	22.2	22.2	23043.5	0	20954.1	23.7	0.48966	0.00018	11.6721	0.00423	0.49178	11.6223	0.70798	0.00026	14.1368	14.13680	0.00513	26.6
CHIEF JO PH6	525	CJPH	17	3	1.02	26744.4	0	24319.4	23.8	26120.3	23913.7	23751.9	23.5	25304.1	25304.1	23009.7	23	23	23211.0	0	21106.4	23.7	0.48634	0.00018	11.5877	0.00420	0.48846	11.538	0.61974	0.00022	13.6139	13.61390	0.00494	26.7
CHIEF JO SS	13.2	Bk1 SS	17	3	1.06	1549.9	0	35.4	1083.0	1342.2	0.0	30.7	1083	0.0	0	0	478477258.7	N/A	1342.2	0	30.7	1083	0.00482	0.00277	5.21668	2.99396	0.00482	5.21667	0	0.00000	-4.90E+05	0.00000	0.00000	1.5
CHILOQUIN	115		71	9	1.05	4304.7	0	857.4	9.5	4558.3	5298.0	907.9	9.4	4692.9	4692.9	934.8	9.4	9.4	3683.0	0	733.6	9.5	1.70473	0.01289	16.173	0.12229	1.73628	16.5691	1.29415	0.00979	11.7591	11.75910	0.08892	5.3
CHILOQUIN	230		77	9	1.05	4617.2	0	1839.4	6.9	4400.4	3646.0	1753	7	4041.6	4041.6	1610.1	7.3	7.3	3966.1	0	1580	6.8	4.36892	0.00826	29.9311	0.05658	4.45447	30.42	5.22214	0.00987	42.3608	42.36080	0.08008	4.6
CINDER B-CEC	115	CINDER B	21	1	1.06	11010.0	0	2193.0	7.9	10073.8	6616.8	2006.6	7.9	8241.8	8241.8	1641.7	7.9	7.9	9507.1	0	1893.7	7.9	0.80537	0.00609	6.34855	0.04800	0.81051	6.38576	1.62445	0.01228	12.7067	12.70670	0.09608	11.0
CINDER BUTTE	161		72	9	1.04	8545.8	0	2383.1	9.0	8234.5	6729.0	2296.3	8.3	7505.7	7505.7	2093	7.3	7.3	7375.9	0	2056.9	8.8	1.24453	0.00480	11.262	0.04345	1.31068	11.3316	2.69332	0.01039	15.7509	15.75090	0.06077	8.5
CIPV-TAP-OKP	115		17	16	1.06	7769.0	0	1547.5	6.1	7051.0	3954.3	1404.5	6.2	5240.7	5240.7	1043.9	6.7	6.7	6727.5	0	1340	6.1	1.46351	0.01107	8.91629	0.06742	1.46332	8.91813	3.03893	0.02298	21.9041	21.90410	0.16563	7.8
CITY VIEW	115	T 6/5	25	3	1.04	11378.0	0	2266.3	5.8	10293.0	5588.9	2050.2	5.9	7488.6	7488.6	1491.6	6.3	6.3	9843.6	0	1960.7	5.8	1.03326	0.00781	5.95726	0.04505	1.03518	5.96947	2.2402	0.01694	15.2939	15.29390	0.11564	11.4
CLARKSTON	34.5	CLAK	18	3	1.10	1275.9	0	76.2	14.5	1288.9	1325.1	77	14.5	1300.0	1300	77.7	14.6	14.6	1104.9	0	66	14.5	1.18182	0.09929	17.1247	1.43875	1.18215	17.1264	1.09106	0.09167	16.1729	16.17290	1.35878	1.3
CLARKSTON	115	T 32/4.1	18	3	1.05	12682.2	0	2526.1	5.9	11691.1	7659.7	2328.7	6	9535.5	9535.5	1899.3	6.4	6.4	10964.9	0	2184.1	5.9	0.92203	0.00697	5.42743	0.04104	0.9253	5.44546	1.55803	0.01178	10.8272	10.82720	0.08187	12.7
CLATSOP	115	CLSO	5	3	1.07	6114.3	0	1217.9	5.7	6580.4	7265.4	1310.7	6.2	6643.5	6643.5	1323.3	6.6	6.6	5295.8	0	1054.8	5.7	2.02333	0.01530	11.4576	0.08664	2.02732	11.4538	0.76689	0.00580	8.84928	8.84928	0.06691	7.3
CLATSOP	230	CLSO	5	3	1.07	5829.0	0	2322.1	9.1	5386.2	3631.9	2145.7	9.3	4477.4	4477.4	1783.7	9.7	9.7	5050.3	0	2011.9	9.1	2.64309	0.00500	24.1676	0.04569	2.66434	24.1434	4.40995	0.00834	46.1429	46.14290	0.08723	5.8
CLATSOP BK1	13.8	Bk1 tert	5	3	1.07	23793.2	0	568.7	9.5	20606.9	0.0	492.6	9.5	0.0	0	0	420.7	N/A	20606.9	0	492.6	9.5	0.03769	0.01979	0.3568	0.18736	0.03775	0.35675	0	0.00000	-5.00E+07	0.00000	0.00000	23.8
CLAYTON-INLD	115	CLAY	16	3	1.06	5673.4	0	1130.1	10.6	5119.9	2525.2	1019.8	10.1	3495.0	3495	696.2	8.2	8.2	4912.8	0	978.6	10.6	1.16525	0.00881	12.3892	0.09368	1.16571	12.3918	4.96853	0.03757	35.377	35.37700	0.26750	5.7
CLYMER-PSE	115	CLR	17	10	1.06	4372.9	0	871.0	4.5	3962.0	2009.1	789.2	4.6	2753.2	2753.2	548.4	5.3	5.3	3786.2	0	754.2	4.5	3.51486	0.02658	15.7353	0.11898	3.51546	15.7424	7.32922	0.05542	43.992	43.99200	0.33264	4.4
COL CAPS 1E	525	COLU	17	3	1.03	22205.7	0	20192.2	2.6	21040.4	9870.0	19132.6	2.6	15300.2	15300.8	13912.9	2.8	2.8	19962.5	0	18152.4	2.4	1.07139	0.00039	1.70137	0.00062	1.08143	1.78661	4.90649	0.00178	30.3525	30.35250	0.01101	22.2
COL CAPS 1W	525	COLU	17	3	1.03	21192.8	0	19271.2	9.0	19411.6	9729.8	17651.5	9.4	13786.5	13787	12536.4	11.6	11.6	18796.8	0	17092.4	9.8	0.70611	0.00026	13.846	0.00502	0.71221	13.766	4.42299	0.00160	40.0621	40.06210	0.01454	21.2
COL CAPS 2E	525	COLU	17	3	1.03	22216.6	0	20202.2	2.6	21066.4	9746.7	19156.3	2.6	15217.2	15217.8	13837.4	2.8	2.8	19973.3	0	18162.2	2.4	1.04292	0.00038	1.70021	0.00062	1.05318	1.78543	4.85756	0.00176	31.4285	31.42850	0.01140	22.2
COL CAPS 2W	525	COLU	17	3	1.03	21192.0	0	19270.4	9.1	19404.3	9674.5	17644.8	9.4	13742.2	13742.8	12496.2	11.7	11.7	18796.2	0	17091.9	9.9	0.69828	0.00025	13.8462	0.00502	0.70451	13.7663	4.42246	0.00160	40.2825	40.28250	0.01461	21.2
COLBERT TAP	115	T 9/5	16	3	1.07	9445.9	0	1881.5	9.5	8554.3	4577.4	1703.9	9.2	6164.5	6164.5	1227.9	8	8	8176.9	0	1628.7	9.5	0.78625	0.00595	7.49164	0.05665	0.78684	7.49811	2.70197	0.02043	19.3731	19.37310	0.14649	9.4
COLD CREEK	115	T 5/1-2	25	3	1.03	8368.6	0	1666.9	6.1	7965.7	6297.0	1586.7	6.3	7183.4	7183.4	1430.8	6.6	6.6	7243.8	0	1442.9	6.1	1.33092	0.01006	8.09157	0.06118	1.3314	8.09963	1.61422	0.01221	12.1477	12.14770	0.09185	8.4
COLD SPR	69		70	9	0.90	4935.1	0	589.8	13.1	4423.8	2132.2	528.7	12.4	2954.8	2954.8	353.1	9.4	9.4	4239.9	0	506.7	13.4	0.55618	0.01168	7.25886	0.15247	0.53852	7.37758	2.75428	0.05785	21.6379	21.63790	0.45448	4.9
COLD SPR	230		77	9	1.04	20384.7	0	8120.7	12.0	19097.1	12942.0	7607.7	10.2	15701.2	15701.2	6254.9	7.7	7.7	17496.6	0	6970.2	11.6	0.56065	0.00106	6.73178	0.01273	0.60552	6.84971	2.21302	0.00418	12.5107	12.51070	0.02365	20.4
COLFALS	115	COFL	15	3	1.04	7192.9	0	1432.7	9.6	7861.0	9391.2	1565.8	10	8149.0	8149	1623.2	10.2	10.2	6231.1	0	1241.1	9.5	1.00166	0.00757	9.58756	0.07250	1.00585	9.58148	0.47749	0.00361	6.2361	6.23610	0.04715	9.4
COLFALS BK2	115	COFL	15	3	1.04	7180.3	0	1430.2	9.6	7802.0	9242.6	1554	10.1	8084.5	8084.5	1610.3	10.2	10.2	6220.1	0	1239	9.6	0.99646	0.00753	9.60504	0.07263	1.00063	9.59904	0.50329	0.00381	6.40382	6.40382	0.04842	9.2
COLFALS BK3	13.8	Bk3 tert	15	3	1.04	20215.6	0	483.2	13.2	17509.2	0.0	418.5	13.2	0.0	0	0	667.6	N/A	17509.2	0	418.5	13.2	0.03117	0.01637	0.41047	0.21554	0.03124	0.41038	0	0.00000	-5.00E+07	0.00000	0.00000	20.2
COLFALS BK3	115	COFL	15	3	1.04	7185.4	0	1431.2	9.6	7887.1	9482.5	1571	10.1	8178.3	8178.3	1629	10.3	10.3	6224.5	0	1239.8	9.6	0.99801	0.00755	9.59796	0.07257	1.00218	9.59194	0.45463	0.00344	6.12594	6.12594	0.04632	9.5
COLFALS MB1	230	COFT	15	3	1.04	6864.6	0	2734.6	11.9	7183.1	7982.2	2861.5	11.6	7381.4	7381.4	2940.5	11.4	11.4	5944.9	0	2368.3	11.8	1.69481	0.00320	20.0973	0.03799	1.69934	20.0967	1.52044	0.00287	15.8604	15.86040	0.02998	8.0
COLSTRIP 230	230	COLSTRIP	14	40	1.02	18415.5	0	7336.2	45.2	22284.2	30361.0	8877.4	49.5	23891.8	23891.8	9517.8	52.2	52.2	16615.5	0	6619.2	47.7	0.16305	0.00031	7.37023	0.01393	0.13354	6.77865	0.0301	0.00006	2.89479	2.89479	0.00547	30.4
COLSTRIP 500	525	COLSTRIP	14	40	1.04	12615.5	0	11471.6	31.4	14588.3	18656.4	13265.6	35.1	15633.7	15633.7	14216.1	37.4	37.4	11343.6	0	10315.1	32.9	0.79277	0.00029	24.9134	0.00904	0.66547	23.078	0.15312	0.00006	12.3286	12.32860	0.00447	18.7
COLUM HT-NWC	115		22	1	1.07	17611.5	0	3508.0	12.6	16381.1	10781.6	3262.9	11.7	13395.4	13395.4	2668.2	9.7	9.7	15272.7	0	3042.1	12.6	0.31853	0.00241	4.02353	0.03042	0.31802	4.01262	0.98848	0.00747	7.80005	7.80005	0.05898	17.6
COLUMBIA	115	COLU	17	3	1.08	36679.9	0	7306.1	11.4	36146.4	34365.4	7199.8	11.3	35382.9	35382.9	7047.8	11.1	11.1	31674.2	0	6309	11.4	0.16987	0.00128	1.94027	0.01467	0.17057	1.95152	0.20515	0.00155	2.14087	2.14087	0.01619	36.7
COLUMBIA	230	COLU	17	3	1.06	30066.7	0	11977.7	10.8	28423.9	22072.8	11323.3	10.3	25357.7	25357.7	10101.8	9.5	9.5	25935.4	0	10331.9	10.8	0.42937	0.00081	4.64364	0.00878	0.4323	4.68058	0.86661	0.00164	7.17385	7.17385	0.01356	30.1
COLUMBIA BK1	13.8	Bk1 tert	17	3	1.02	41991.8	0	1003.7	58.9	36352.0	0.0	868.9	58.8	0.0	0	0	93638.1	N/A	36352.0	0	868.9	58.8	0.00329	0.00173	0.19374	0.10173	0.0033	0.19388	0	0.00000	-4.90E+05	0.00000	0.00000	42.0
COLUMBIA BK2	13.8	Bk2 tert	17	3	1.08	41847.7	0	1000.3	22.7	36226.8	0.0	865.9	22.7	0.0	0	0	583.6	N/A	36226.8	0	865.9	22.7	0.00903	0.00474	0.20471	0.10749	0.00903	0.20488	0	0.00000	-5.00E+07	0.00000	0.00000	41.8
COLUMBIA BK2	230	COLU	17	3	1.06	28768.0	0	11460.3	10.8	27106.3	20664.3	10798.4	10.3	23962.1	23962.1	9545.8	9.5	9.5	24819.3	0	9887.3	10.8	0.4515	0.00085	4.85435	0.00918	0.45442	4.89138	0.93458	0.00177	7.71686	7.71686	0.01459	28.8
COLUMBIA1-SS	13.8	COLU	17	3	1.02	1497.4	0	35.8	1651.2	1296.8	0.0	31	1649.1	0.0	0	0	3764139244	N/A	1296.8	0	31	1649.2	0.00329	0.00173	5.43378	2.85328	0.0033	5.43393	0	0.00000	-4.90E+05	0.00000	0.00000	1.5
COLVILLE	115	COLV	16	3	1.04	6619.2	0	1318.4	9.6	6081.6	3708.5	1211.4	9.3	4773.2	4773.2	950.7	8.5	8.5	5755.5	0	1146.4	9.6	1.07856	0.00816	10.3701	0.07841	1.06789	10.2868	2.94412	0.02226	22.4179	22.41790	0.16951	6.6
COMB HILLS2	69		20	1	1.02	5422.7	0	648.1	7.4	5386.7	5113.0	643.8	7.7	5191.4	5191.4	620.4	8.1	8.1	4631.2	0	553.5	7.1	1.00646	0.02114	7.42722	0.15600	1.11491	7.62455	0.77075	0.01619	8.25641	8.25641	0.17342	5.4
COND TAP	115	T 35/9.1	22	3	1.05	2505.5	0	499.1	3.9	2262.0	1003.4	450.6	4.1	1433.8	1433.8	285.6	5	5	2170.0	0	432.2	3.9	6.85612	0.05184	26.8943	0.20336	6.85698	26.8904	14.9649	0.11316	88.8604	88.86040	0.67191	2.5
COND WIN TAP	115	T 34/5	22	3	1.05	2600.2	0	517.9	4.0	2341.1	1021.8	466.3	4.2	1467.8	1467.8	292.4	5	5	2252.0	0	448.6	4	6.4257	0.04859	25.956	0.19626	6.42655	25.952	14.8657	0.11241	87.4712	87.47120	0.66141	2.6
COND WIND	115	CONW	22	1	1.05	2600.1	0	517.9	4.0	2341.1	1021.8	466.3	4.2	1467.7	1467.7	292.4	5	5	2251.9	0	448.6	4	6.42553	0.04859	25.9564	0.19627	6.42639	25.9524	14.8657	0.11241	87.4725	87.47250	0.66142	2.6
CONDON-CBEC	115		22	1	1.05	2159.1	0	430.1	3.2	1963.7	871.4	391.1	3.3	1243.1	1243.1	247.6	4.2	4.2	1869.9	0	372.5	3.2	9.72486	0.07353	30.7046	0.23217	9.72572	30.7007	19.2008	0.14519	101.9	101.90000	0.77051	2.2
CONK #4	13.8	COKY	15	1	1.04	25987.9	0	621.2	20.3	22506.1	0.0	537.9	20.3	0.0	0	0	26606.2	N/A	22506.1	0	537.9	20.3	0.01574	0.00827	0.31909	0.16755	0.01575	0.31909	0	0.00000	-9.90E+05	0.00000	0.00000	26.0
CONKELLY(EB)	230	COKY	15	3	1.04	6772.2	0	2697.8	12.0	7074.0	7832.2	2818.1	11.7	7263.7	7263.7	2893.6	11.6	11.6	5864.8	0	2336.4	12	1.69475	0.00320	20.3624	0.03849	1.69911	20.3626	1.53205	0.00290	16.213	16.21300	0.03065	7.8
CONKELLY(WB)	230	COKY	15	3	1.04	6781.7	0	2701.6	12.0	7089.3	7862.8	2824.2	11.7	7282.3	7282.3	2901.1	11.6	11.6	5873.0	0	2339.6	12	1.69184	0.00320	20.3338	0.03844	1.6962	20.334	1.5222	0.00288	16.1246	16.12460	0.03048	7.9
CONNELL	12.5	CONL	20	3	1.04	8736.2	0	189.1	6.6	9752.9	11479.9	211.2	7.5	9922.2	9922.2	214.8	8	N/A	7563.0	0	163.7	6.6	0.12753	0.08162	0.84653	0.54178	0.12764	0.84714	0.02645	0.00000	0.54998	0.00000	0.00000	11.5
CONNELL	115	CONL	20	3	1.04	2704.4	0	538.7	2.8	2468.1	1118.5	491.6	2.9	1583.1	1583.1	315.3	3.8	3.8	2339.7	0	466	2.8	8.55481	0.06469	23.9608	0.18118	8.56474	24.0128	16.4625	0.12448	78.0148	78.01480	0.58990	2.7
CONNELL TAP	115	T 19/6	20	3	1.04	3671.0	0	731.2	3.2	3333.3	1515.6	663.9	3.3	2144.4	2144.4	427.1	4.1	4.1	3174.7	0	632.4	3.2	5.66325	0.04282	17.866	0.13509	5.67317	17.9181	11.5274	0.08716	57.7135	57.71350	0.43640	3.7
CONSER TAP	115	T 19/1	4	3	1.07	10171.1	0	2025.9	4.4	9319.1	5427.6	1856.2	4.5	7082.7	7082.7	1410.8	5	5	8812.8	0	1755.4	4.4	1.55229	0.01174	6.84289	0.05174	1.55354	6.83557	2.85319	0.02157	15.9575	15.95750	0.12066	10.2
CONYERS	115	T 11/5-6	5	3	1.07	8489.2	0	1690.9	4.1	7723.4	4079.1	1538.4	4.2	5512.5	5512.5	1098	4.8	4.8	7352.8	0	1464.6	4.1	1.97828	0.01496	8.12232	0.06142	1.98351	8.11879	3.98542	0.03014	21.5545	21.55450	0.16298	8.5
COOKE MT	115	CKMT	16	1	1.04	1822.0	0	362.9	2.8	1690.2	885.1	336.7	2.9	1198.1	1198.1	238.6	3.6	3.6	1584.7	0	315.6	2.8	12.7145	0.09614	35.6644	0.26967	12.6251	35.3514	20.5882	0.15568	95.5006	95.50060	0.72212	1.8
COOKE MT TAP	115	T 41/3	16	3	1.04	1880.9	0	374.6	2.8	1746.1	923.3	347.8	3	1245.7	1245.7	248.1	3.6	3.6	1636.1	0	325.9	2.8	12.2661	0.09275	34.5654	0.26136	12.1767	34.2523	19.7097	0.14903	91.3379	91.33790	0.69065	1.9
COOKS H TAP	69	T 10/7-8	10	3	1.07	6501.6	0	777.0	5.4	5638.0	765.2	673.8	5.4	1366.2	1366.2	163.3	5.8	5.8	5618.0	0	671.4	5.4	1.19702	0.02514	6.41747	0.13479	1.20497	6.44555	13.3269	0.27992	79.0034	79.00340	1.65939	6.5
COQUILLE	115		71	9	1.10	4363.2	0	869.1	6.2	4233.5	3778.1	843.2	6.2	4047.8	4047.8	806.3	6.3	6.3	3777.0	0	752.3	6.2	2.67857	0.02025	16.4928	0.12471	2.68033	16.5078	3.13165	0.02368	20.3606	20.36060	0.15396	4.4
COSMOPOLIS	115	COSM	10	3	1.07	10142.8	0	2020.3	4.5	9803.0	7848.4	1952.6	4.7	8826.0	8826	1758	5.3	5.3	8757.3	0	1744.3	4.5	1.51493	0.01146	6.81862	0.05156	1.53404	6.85772	1.44515	0.01093	9.9815	9.98150	0.07547	10.1
COUGAR	115	CUGR	4	3	1.09	3246.7	0	646.7	7.9	3237.4	3124.4	644.8	8.3	3167.8	3167.8	631	8.7	8.7	2796.9	0	557.1	7.9	2.80021	0.02117	22.2012	0.16787	2.84622	22.4346	2.23599	0.01691	23.7154	23.71540	0.17932	3.2
COURT ST	115	T 4/1	20	3	1.03	15012.1	0	2990.2	9.1	13641.5	7759.2	2717.2	8.8	10222.2	10222.2	2036.1	8	8	12989.4	0	2587.3	9.1	0.49524	0.00374	4.51371	0.03413	0.49562	4.52175	1.48338	0.01122	10.8166	10.81660	0.08179	15.0
COVINGT BK4	34.5	Bk4 tert	8	3	1.04	42755.2	0	2554.9	23.2	36959.0	0.1	2208.5	23.1	0.1	0.1	0	93515.1	N/A	36959.0	0	2208.5	23.1	0.02097	0.00176	0.48612	0.04084	0.02123	0.4879	0	0.00000	-4.90E+05	0.00000	0.00000	42.8
COVINGT BK4	230	COVI	8	3	1.09	46721.7	0	18612.6	14.7	46727.1	45911.8	18614.7	13.2	45695.3	45695.3	18203.7	12	12	39916.2	0	15901.5	14.5	0.21105	0.00040	3.10267	0.00587	0.22381	3.18707	0.35433	0.00067	3.21662	3.21662	0.00608	46.7
COVINGT BK4	525	COVI	8	3	1.04	20185.8	0	18355.5	18.5	19120.5	15057.1	17386.8	16.7	17132.6	17132.6	15579.1	14.4	14.4	17362.5	0	15788.2	18.2	0.84523	0.00031	15.6058	0.00566	0.88504	15.818	2.10424	0.00076	23.6846	23.68460	0.00859	20.2
COVINGT BK5	34.5	Bk5 tert	8	3	1.04	43145.9	0	2578.2	25.6	37294.5	0.1	2228.6	25.5	0.1	0.1	0	102431.2	N/A	37294.5	0	2228.6	25.5	0.01879	0.00158	0.48189	0.04049	0.01906	0.48371	0	0.00000	-4.90E+05	0.00000	0.00000	43.1
COVINGT BK5	230	COVI	8	3	1.09	44327.4	0	17658.8	14.8	44020.2	42283.2	17536.4	13.4	42744.6	42744.6	17028.3	12.1	12.1	37907.3	0	15101.2	14.6	0.22102	0.00042	3.27	0.00618	0.23353	3.35259	0.38426	0.00073	3.53932	3.53932	0.00669	44.3
COVINGT BK5	525	COVI	8	3	1.04	20914.8	0	19018.3	18.3	19660.1	14860.9	17877.4	16.7	17258.4	17258.4	15693.5	14.2	14.2	17988.7	0	16357.6	18	0.82103	0.00030	15.0597	0.00546	0.85983	15.2659	2.17167	0.00079	24.3712	24.37120	0.00884	20.9
COVINGT(MBW)	230	COVI	8	3	1.09	47619.4	0	18970.2	14.6	47875.4	47740.5	19072.2	13.1	47026.8	47026.8	18734.1	11.9	11.9	40668.2	0	16201.1	14.3	0.20908	0.00040	3.04419	0.00575	0.22194	3.12925	0.34341	0.00065	3.06358	3.06358	0.00579	47.9
COVINGT4 SS	13.8	COVI	8	3	1.04	713.0	0	17.0	3478.4	617.5	0.0	14.8	3456.8	0.0	0	0	4869129.1	N/A	617.5	0	14.8	3456.8	0.00335	0.00176	11.6698	6.12781	0.0034	11.6701	0	0.00000	-5.00E+07	0.00000	0.00000	0.7
COVINGT4 SS	34.5	COVI	8	3	1.04	5325.9	0	318.3	186.3	4611.3	0.1	275.6	185.1	0.1	0.1	0	12200318.3	N/A	4611.3	0	275.6	185.1	0.02097	0.00176	3.90607	0.32817	0.02123	3.90785	0	0.00000	-4.90E+05	0.00000	0.00000	5.3
COVINGT5 SS	13.8	COVI	8	3	1.04	664.5	0	15.9	4165.9	575.5	0.0	13.8	4137	0.0	0	0	6246254.2	N/A	575.5	0	13.8	4137	0.00301	0.00158	12.5244	6.57656	0.00305	12.5247	0	0.00000	-5.00E+07	0.00000	0.00000	0.7
COVINGT5 SS	34.5	COVI	8	3	1.04	5346.3	0	319.5	207.1	4629.0	0.1	276.6	205.7	0.1	0.1	0	13406524.2	N/A	4629.0	0	276.6	205.7	0.01879	0.00158	3.89184	0.32698	0.01906	3.89366	0	0.00000	-4.90E+05	0.00000	0.00000	5.3
COWL TPU TAP	230	T 47/3	8	3	1.10	19478.9	0	7759.8	8.7	17807.5	11586.2	7094	8.6	14434.8	14434.8	5750.4	8.2	8.2	16758.1	0	6676	8.7	0.85461	0.00162	7.45045	0.01408	0.87543	7.5481	1.9503	0.00369	15.1372	15.13720	0.02861	19.5
COWLITZ	115	COWL	5	3	1.06	23649.4	0	4710.6	10.0	21537.8	12644.4	4290	9.7	16478.9	16478.9	3282.4	8.9	8.9	20480.9	0	4079.5	9.9	0.29581	0.00224	2.96519	0.02242	0.30192	2.9646	0.8384	0.00634	6.81925	6.81925	0.05156	23.6
COWLITZ	230	COWLITZ	40	466	1.11	26487.0	0	10551.7	12.4	24610.4	18365.3	9804.1	12	21455.3	21455.3	8547.2	11.3	11.3	22687.9	0	9038.2	12.2	0.44569	0.00084	5.52577	0.01045	0.47102	5.64654	0.89011	0.00168	9.27947	9.27947	0.01754	26.5
COYOTE SPG E	525	CSGP	23	3	1.01	23818.4	0	21658.7	23.3	22362.3	16936.7	20334.7	20.7	19645.4	19645.4	17864.1	17.3	17.3	20467.9	0	18612	22.7	0.5542	0.00020	12.9	0.00468	0.59119	13.0997	1.56655	0.00057	20.8858	20.88580	0.00758	23.8
CRESSWELL	115		78	9	1.10	9976.9	0	1987.3	3.3	9140.3	5007.0	1820.6	3.4	6657.1	6657.1	1326	3.9	3.9	8622.2	0	1717.4	3.3	2.11774	0.01601	7.00852	0.05299	2.12029	7.03978	3.85054	0.02912	17.8602	17.86020	0.13505	10.0
CRESTN-S	230	CRESTN-S	8	14	1.09	28358.6	0	11297.3	9.6	28111.1	27184.2	11198.7	9.3	27560.0	27560	10979.1	9	9	24382.3	0	9713.2	9.6	0.52894	0.00100	5.09999	0.00964	0.53972	5.17368	0.67031	0.00127	5.45823	5.45823	0.01032	28.4
CRESTON	34.5	CRES	16	3	1.11	1221.2	0	73.0	13.0	1249.6	1317.5	74.7	13.3	1267.5	1267.5	75.7	13.5	13.5	1057.6	0	63.2	13	1.3896	0.11675	18.061	1.51741	1.38962	18.0614	1.07622	0.09042	16.0919	16.09190	1.35198	1.3
CRESTON	115	CRES	16	3	1.06	4177.3	0	832.1	5.2	3740.7	1732.0	745.1	5.3	2448.6	2448.6	487.7	5.8	5.8	3617.3	0	720.5	5.2	3.18576	0.02409	16.5811	0.12538	3.18596	16.5848	8.42116	0.06368	51.9719	51.97190	0.39298	4.2
CRYSTL S-LVE	115		24	33	1.06	3125.3	0	622.5	5.1	2868.6	1743.5	571.4	5.2	2254.5	2254.5	449.1	5.3	5.3	2726.1	0	543	5.1	4.29109	0.03245	22.0892	0.16703	4.28391	21.7618	8.73736	0.06607	48.1122	48.11220	0.36380	3.1
CUSICK	230	CUSI	16	3	1.04	7232.4	0	2881.2	11.7	6792.0	5186.5	2705.7	11.4	6031.7	6031.7	2402.9	11	11	6253.8	0	2491.3	11.6	1.63187	0.00308	19.1035	0.03611	1.65461	19.1608	2.95979	0.00560	30.4212	30.42120	0.05751	7.2
CUSTER BK1	34.5	Bk1 tert	9	3	1.10	28041.6	0	1675.6	47.0	24281.7	0.1	1451	47	0.1	0.1	0	306984.1	N/A	24281.7	0	1451	47	0.01662	0.00140	0.7809	0.06561	0.01664	0.7811	0	0.00000	-4.90E+05	0.00000	0.00000	28.0
CUSTER BK1	230	CUST	9	3	1.15	33774.5	0	13454.8	15.6	34357.1	35269.3	13686.9	14.8	34468.9	34468.9	13731.4	14	14	29217.5	0	11639.4	15.6	0.28872	0.00055	4.5171	0.00854	0.28986	4.52697	0.36635	0.00069	4.22774	4.22774	0.00799	35.3
CUSTER BK2	34.5	Bk2 tert	9	3	1.10	27788.4	0	1660.5	48.5	24062.5	0.0	1437.9	48.5	0.0	0	0	4654.9	N/A	24062.5	0	1437.9	48.5	0.01624	0.00136	0.78791	0.06620	0.01627	0.78811	0	0.00000	-5.00E+07	0.00000	0.00000	27.8
CUSTER BK2	230	CUST	9	3	1.15	33773.5	0	13454.4	15.6	34358.3	35251.0	13687.4	14.7	34459.6	34459.6	13727.7	14	14	29216.6	0	11639.1	15.6	0.28897	0.00055	4.5173	0.00854	0.29012	4.52719	0.36979	0.00070	4.23086	4.23086	0.00800	35.3
CUSTER E	525	CUST	9	3	1.12	22067.1	0	20066.2	12.6	21133.3	17614.2	19217.1	12.2	19567.8	19567.8	17793.5	11.5	11.5	19087.8	0	17357	12.6	1.21308	0.00044	15.2725	0.00554	1.21818	15.3089	2.06037	0.00075	21.0558	21.05580	0.00764	22.1
CUSTER1 SS	34.5	CUST	9	3	1.10	3230.0	0	193.0	408.0	2797.2	0.1	167.2	407.7	0.1	0.1	0	-43052503.4	N/A	2797.2	0	167.2	407.7	0.01662	0.00140	6.781	0.56971	0.01664	6.78119	0	0.00000	-4.90E+05	0.00000	0.00000	3.2
CYTE SP-UEC	115	CYTE SP	23	24	1.04	13897.3	0	2768.2	9.8	12901.9	9180.8	2569.9	9.6	11030.5	11030.5	2197.1	9.3	9.3	12006.3	0	2391.5	9.8	0.50481	0.00382	4.9473	0.03741	0.50696	4.97132	1.00598	0.00761	8.76916	8.76916	0.06631	13.9
DALLAS	115	DALLAS	71	9	1.08	5384.5	0	1072.5	5.4	4922.0	2848.2	980.4	5.6	3726.2	3726.2	742.2	6.2	6.2	4663.1	0	928.8	5.4	2.40243	0.01817	13.0505	0.09868	2.40366	13.05	4.34735	0.03287	30.6923	30.69230	0.23208	5.4
DALREED	230	DALREED	70	9	1.03	9512.1	0	3789.4	10.9	9007.3	7148.4	3588.3	10.6	8129.4	8129.4	3238.5	10	10	8204.0	0	3268.2	11	1.30933	0.00248	14.3301	0.02709	1.31353	14.4488	2.40399	0.00454	21.4826	21.48260	0.04061	9.5
DALREED TAP1	230	T 20/3	23	3	1.03	9521.2	0	3793.0	11.1	9016.2	7139.6	3591.8	10.7	8127.1	8127.1	3237.6	10	10	8211.9	0	3271.4	11.1	1.29264	0.00244	14.3185	0.02707	1.29649	14.4368	2.41511	0.00457	21.5248	21.52480	0.04069	9.5
DALREED TAP2	230	T 20/4	23	3	1.03	9502.5	0	3785.5	10.8	8996.9	7149.2	3584.1	10.5	8126.3	8126.3	3237.3	9.9	9.9	8195.6	0	3264.9	10.8	1.32749	0.00251	14.3429	0.02711	1.33201	14.4619	2.40275	0.00454	21.4716	21.47160	0.04059	9.5
DAVIS CR BK1	12.5	DAVC	26	3	1.12	1763.8	0	38.2	8.0	1786.0	1850.8	38.7	8.1	1804.3	1804.3	39.1	8.1	8.1	1525.9	0	33	8	0.56818	0.36364	4.56554	2.92195	0.57019	4.57529	0.52136	0.33367	4.24939	4.24939	2.71961	1.9
DAVIS CREEK	115	DAVC	26	3	1.08	2885.4	0	574.7	6.8	2676.1	2009.8	533	6.8	2333.3	2333.3	464.8	7	7	2460.6	0	490.1	6.7	3.62548	0.02741	24.4823	0.18512	3.78186	25.2376	5.57713	0.04217	41.1749	41.17490	0.31134	2.9
Dayton	59.8	Dytn	3	7	1.06	13612.0	0	1409.9	6.8	13288.0	11606.9	1376.3	7.1	12530.2	12530.2	1297.8	7.6	7.6	11787.5	0	1220.9	6.8	0.39157	0.01095	2.66904	0.07464	0.39197	2.66936	0.35796	0.01001	3.37871	3.37871	0.09448	13.6
Dayton	115	Dytn	3	7	1.10	12451.0	0	2480.1	5.2	11495.1	6859.3	2289.7	5.4	8847.5	8847.5	1762.3	6.4	6.4	10781.4	0	2147.5	5.2	1.11186	0.00841	5.74234	0.04342	1.11349	5.74363	1.59665	0.01207	12.9102	12.91020	0.09762	12.5
DAYTON-CREA	24.9		18	1	1.03	1511.8	0	65.2	11.0	1552.6	1641.5	67	11.3	1574.0	1574	67.9	11.6	11.6	1309.2	0	56.5	11	0.88862	0.14332	9.73622	1.57033	0.8887	9.73652	0.63966	0.10317	8.59439	8.59439	1.38617	1.6
DAYTON-CREA	115		18	1	1.03	2738.4	0	545.4	4.6	2482.4	1259.2	494.5	4.7	1725.3	1725.3	343.7	5.4	5.4	2371.2	0	472.3	4.6	5.31031	0.04015	24.3556	0.18416	5.31204	24.3619	10.8331	0.08191	68.0189	68.01890	0.51432	2.7
DAYTON-CREA*	115	T 40/3	18	3	1.03	4959.1	0	987.8	6.2	4548.7	2762.5	906	6.4	3547.8	3547.8	706.7	7.1	7.1	4293.7	0	855.2	6.2	2.18506	0.01652	13.59	0.10276	2.18679	13.5964	3.72467	0.02816	29.9629	29.96290	0.22656	5.0
DAYTON-MAS3	115		11	1	1.08	6678.4	0	1330.3	6.4	5957.5	2761.4	1186.7	6.4	3905.4	3905.4	777.9	6.7	6.7	5780.9	0	1151.5	6.3	1.66425	0.01258	10.569	0.07992	1.66705	10.5791	4.82086	0.03645	33.1325	33.13250	0.25053	6.7
DAYTON TAP	115	T 18/6	11	3	1.08	15153.9	0	3018.4	9.0	14026.4	9514.9	2793.9	8.8	11677.5	11677.5	2326	8.2	8.2	13109.2	0	2611.2	9	0.52026	0.00393	4.68641	0.03544	0.52305	4.69655	1.18236	0.00894	8.83845	8.83845	0.06683	15.2
DECATUR EAST	69		9	3	1.07	4117.7	0	492.1	6.7	4588.3	5077.5	548.4	5.5	4552.0	4552	544	5.1	5.1	3564.7	0	426	6.7	1.53171	0.03217	10.2587	0.21547	1.53262	10.2664	2.39539	0.05031	7.08867	7.08867	0.14889	5.1
DECATUR EAST	115		9	3	1.07	7461.7	0	1486.3	3.1	6841.8	4368.9	1362.8	3	5505.0	5505	1096.5	3	3	6454.9	0	1285.7	3.1	2.96842	0.02245	9.06263	0.06853	2.97095	9.08419	6.4108	0.04847	18.6123	18.61230	0.14074	7.5
DECATUR WEST	69		9	3	1.07	3816.5	0	456.1	6.0	3956.8	3874.8	472.9	5.4	3846.9	3846.9	459.8	4.9	4.9	3304.1	0	394.9	6	1.83308	0.03850	11.0403	0.23189	1.83399	11.0481	3.03758	0.06380	10.5388	10.53880	0.22136	4.0
DECATUR WEST	115		9	3	1.07	7194.5	0	1433.0	3.0	6713.5	4155.7	1337.2	2.9	5266.3	5266.3	1049	2.6	2.6	6223.9	0	1239.7	3	3.1048	0.02348	9.39079	0.07101	3.10733	9.41235	8.37363	0.06332	19.0182	19.01820	0.14380	7.2
DEER PRK	115	DEPK	16	3	1.07	6253.6	0	1245.6	10.4	5645.2	2814.6	1124.4	9.9	3881.8	3881.8	773.2	8.2	8.2	5414.7	0	1078.5	10.4	1.08385	0.00820	11.269	0.08521	1.08439	11.2736	4.4665	0.03377	31.7693	31.76930	0.24022	6.3
DELAMTR-CWTZ	115	DELMTR-C	5	34	1.06	9856.2	0	1963.2	4.3	9117.3	5298.1	1816	4.5	6893.3	6893.3	1373.1	5.5	5.5	8532.7	0	1699.6	4.3	1.61954	0.01225	6.97781	0.05276	1.62776	6.98102	2.29684	0.01737	16.2634	16.26340	0.12297	9.9
DELENA	115	DLNA	5	3	1.07	14814.7	0	2950.9	6.0	13558.6	8463.6	2700.7	6.1	10776.3	10776.3	2146.5	6.3	6.3	12833.9	0	2556.3	6	0.78171	0.00591	4.72378	0.03572	0.78731	4.71985	1.53241	0.01159	10.0584	10.05840	0.07606	14.8
DEMOSS	69	DEMO	22	3	1.06	1323.6	0	158.2	11.8	1389.8	1514.9	166.1	12.8	1413.0	1413	168.9	13.7	13.7	1146.3	0	137	11.8	2.70534	0.05682	31.8072	0.66808	2.70532	31.8041	1.13811	0.02390	25.8566	25.85660	0.54309	1.5
DEMOSS	115	DEMO	22	3	1.06	4122.6	0	821.2	3.8	3858.8	2316.7	768.6	4	2970.3	2970.3	591.7	5	5	3571.2	0	711.3	3.8	4.34759	0.03287	16.5091	0.12483	4.34754	16.5004	5.13908	0.03886	36.7151	36.71510	0.27762	4.1
DETROIT	230	DETR	3	3	1.07	7106.3	0	2831.0	8.6	7432.8	8080.1	2961	9	7612.0	7612	3032.4	9.3	9.3	6194.7	0	2467.8	8.7	2.30451	0.00436	19.9121	0.03764	2.25174	19.6546	1.47079	0.00278	16.2487	16.24870	0.03072	8.1
DETROIT-PH	13.8	DEPH	3	1	1.02	31480.8	0	752.5	26.1	27539.1	11.8	658.2	26.4	23.8	23.8	0.6	0	N/A	27533.2	0	658.1	26.5	0.00987	0.00518	0.25805	0.13550	0.00941	0.25299	1024.92	0.00000	-10.306	0.00000	0.00000	31.5
DETROIT1	13.8	DEPH	3	1	1.02	49340.2	0	1179.3	15.2	43303.5	6.4	1035.1	15.4	12.9	12.9	0.3	0	N/A	43300.3	0	1035	15.4	0.01086	0.00570	0.16461	0.08644	0.01028	0.16029	1892.94	0.00000	-10.394	0.00000	0.00000	49.3
DETROIT1 PH	230	DEPH	3	1	1.07	6989.6	0	2784.5	8.6	7308.6	7938.1	2911.5	9	7482.9	7482.9	2981	9.2	9.2	6093.0	0	2427.3	8.7	2.35154	0.00445	20.2428	0.03827	2.29771	19.9809	1.5019	0.00284	16.5502	16.55020	0.03129	7.9
DETROIT2	13.8	DEPH	3	1	1.02	51130.5	0	1222.1	16.1	44918.6	11.7	1073.7	16.3	23.8	23.8	0.6	0	N/A	44912.7	0	1073.5	16.3	0.00986	0.00518	0.15878	0.08338	0.00934	0.15433	1024.92	0.00000	-10.315	0.00000	0.00000	51.1
DETROIT2 PH	230	DEPH	3	1	1.07	6992.6	0	2785.7	8.6	7311.3	7937.8	2912.6	9	7484.6	7484.6	2981.6	9.2	9.2	6095.7	0	2428.3	8.7	2.34961	0.00444	20.234	0.03825	2.2958	19.9719	1.49728	0.00283	16.5559	16.55590	0.03130	7.9
DEVILS GAP E	115	DEVILGAP	445	2	1.04	11068.2	0	2204.6	5.2	11345.4	11610.9	2259.8	5.7	10949.1	10949.1	2180.9	6.1	6.1	9252.3	0	1842.9	5.1	1.1787	0.00891	6.13416	0.04638	1.32861	6.56313	0.57533	0.00435	5.99316	5.99316	0.04532	11.6
DEVILS GAP W	115	DEVILGAP	445	2	1.04	11066.8	0	2204.3	5.2	11344.0	11609.2	2259.6	5.7	10947.7	10947.7	2180.6	6.1	6.1	9251.2	0	1842.7	5.1	1.17878	0.00891	6.13496	0.04639	1.32869	6.56389	0.57533	0.00435	5.99404	5.99404	0.04532	11.6
DEXTER	12.5	DEXT	4	1	1.08	5251.9	0	113.7	26.4	5317.4	5469.8	115.1	27.3	5354.0	5354	115.9	28.2	28.2	4544.3	0	98.4	26.3	0.0563	0.03603	1.48892	0.95291	0.05704	1.49151	0.04219	0.02700	1.40156	1.40156	0.89700	5.5
DEXTER	115	DEXT	4	3	1.08	9612.5	0	1914.7	6.2	9178.0	7500.4	1828.1	6.5	8302.6	8302.6	1653.8	7.1	7.1	8200.5	0	1633.4	6.1	1.19457	0.00903	7.39357	0.05591	1.25691	7.61328	1.19755	0.00906	10.7491	10.74910	0.08128	9.6

DEXTER TAP	115	T 3/5	4	3	1.08	10388.3	0	2069.2	6.4	10014.8	8547.9	1994.8	6.7	9234.3	9234.3	1839.3	7.3	7.3	8855.7	0	1763.9	6.3	1.06718	0.00807	6.8485	0.05178	1.12722	7.06225	0.9768	0.00739	9.26519	9.26519	0.07006	10.4
DEXTER USCE	13.8	DXPH	4	1	1.06	9558.6	0	228.5	32.0	8182.4	3338.7	195.6	34.1	4739.9	4739.9	113.3	87.8	87.8	7918.1	0	189.3	30.3	0.02774	0.01457	0.88648	0.46549	0.03334	0.96698	0	0.00000	3.51192	3.51192	1.84411	9.6
DIAMDLAKE	115		16	1	1.04	6910.8	0	1376.5	5.4	6359.3	4057.1	1266.7	5.5	5114.6	5114.6	1018.8	5.8	5.8	5986.8	0	1192.5	5.4	1.83859	0.01390	9.86869	0.07462	1.83816	9.86216	3.27093	0.02473	20.3634	20.36340	0.15398	6.9
DIAMDLAKETAP	115	7/1--7/2	16	3	1.04	8360.0	0	1665.2	8.2	7780.3	5632.0	1549.7	8.1	6732.7	6732.7	1341.1	8	8	7242.8	0	1442.7	8.2	1.00937	0.00763	8.2367	0.06228	1.00893	8.23017	1.81213	0.01370	14.2069	14.20690	0.10742	8.4
DILLARD TAP	115	T 10/3	4	3	1.10	20345.1	0	4052.5	6.6	18881.3	13569.0	3760.9	6.5	16221.3	16221.3	3231	6.4	6.4	17555.5	0	3496.8	6.6	0.54168	0.00410	3.5504	0.02685	0.54328	3.57661	1.00663	0.00761	6.22375	6.22375	0.04706	20.3
DISC BAY	13.09	DIS	11	630	1.07	5924.4	0	134.3	14.5	6282.3	7182.8	142.4	14.9	6492.8	6492.8	147.2	15.1	15.1	5130.4	0	116.3	14.5	0.09389	0.05479	1.36015	0.79379	0.09395	1.36033	0.05797	0.03383	1.00353	1.00353	0.58567	7.2
DISC BAY	115	DIS	11	630	1.07	5061.0	0	1008.1	7.0	4659.4	2928.9	928.1	7.3	3708.9	3708.9	738.8	8.1	8.1	4380.7	0	872.6	7	1.97894	0.01496	13.8808	0.10496	1.98291	13.8949	3.10233	0.02346	29.1861	29.18610	0.22069	5.1
DIXIE	24.9	DIXI	24	3	1.07	1571.1	0	67.8	11.6	1615.4	1722.8	69.7	11.8	1643.4	1643.4	70.9	12.1	12.1	1360.5	0	58.7	11.6	0.84451	0.13621	9.78674	1.57848	0.84514	9.78714	0.63971	0.10318	8.50141	8.50141	1.37117	1.7
DIXIE	115	DIXI	24	3	1.03	2890.2	0	575.7	5.8	3044.4	3180.3	606.4	6.4	3029.0	3029	603.3	7	7	2502.5	0	498.5	5.8	3.99361	0.03020	23.2453	0.17577	4.00591	23.2532	1.55007	0.01172	20.3376	20.33760	0.15378	3.2
DIXNV C-PP&L	525		77	9	1.04	10764.8	0	9788.7	5.9	10317.8	8041.1	9382.2	5.9	9385.9	9386.3	8534.9	6	6	9551.2	0	8685.2	6.2	2.3433	0.00085	26.0854	0.00946	2.40736	26.3792	5.8175	0.00211	40.5939	40.59390	0.01473	10.8
DIXNV500-PPL	525		77	9	1.03	10986.4	0	9990.2	8.2	10334.1	7558.1	9397.1	8.4	9156.9	9157.3	8326.6	10.2	10.2	9628.0	0	8755	8.6	2.12901	0.00077	27.1231	0.00984	2.17828	27.3308	5.74679	0.00209	47.6393	47.63930	0.01728	11.0
DIXNVIL-PP&L	230		77	9	1.04	12797.6	0	5098.2	13.2	13355.4	14290.7	5320.4	11.8	13463.9	13463.9	5363.6	11	11	11049.6	0	4401.8	13.1	0.81729	0.00154	10.7537	0.02033	0.82402	10.8187	1.14562	0.00217	9.05394	9.05394	0.01712	14.3
DIXON	69	DIXN	15	3	1.10	6043.1	0	722.2	16.9	7134.0	9592.3	852.6	16	7415.2	7415.2	886.2	15.9	15.9	5233.7	0	625.5	16.9	0.42943	0.00902	7.25216	0.15232	0.42916	7.25169	0.25933	0.00545	3.22271	3.22271	0.06769	9.6
DIXON	230	DIXN	15	3	1.10	6949.1	0	2768.3	7.4	6532.8	5016.9	2602.5	7.5	5827.8	5827.8	2321.6	7.6	7.6	6018.9	0	2397.7	7.4	2.81921	0.00533	20.8692	0.03945	2.81625	20.8641	4.21271	0.00796	32.9518	32.95180	0.06229	6.9
DIXON BK1	13.8	Bk1 tert	15	3	1.10	15319.1	0	366.2	20.4	13266.9	0.0	317.1	20.4	0.0	0	0	1433.2	N/A	13266.9	0	317.1	20.4	0.02803	0.01472	0.57249	0.30061	0.02802	0.57247	0	0.00000	-5.00E+07	0.00000	0.00000	15.3
DOLARWAY	115		17	1	1.06	4365.0	0	869.4	4.6	3953.3	2010.0	787.4	4.7	2752.4	2752.4	548.2	5.4	5.4	3779.3	0	752.8	4.6	3.43476	0.02597	15.7918	0.11941	3.43538	15.7991	7.19408	0.05440	43.9986	43.99860	0.33269	4.4
DORENA	34.5	DORE	4	3	1.07	1562.9	0	93.4	12.0	1609.9	1716.1	96.2	12.4	1635.9	1635.9	97.8	12.8	12.8	1353.5	0	80.9	12	1.13215	0.09512	13.6218	1.14445	1.1323	13.6229	0.79116	0.06647	11.8125	11.81250	0.99244	1.7
DORENA	115	DORE	4	3	1.07	3481.0	0	693.4	5.3	3228.0	2290.5	643	5.3	2762.1	2762.1	550.2	5.4	5.4	3013.7	0	600.3	5.3	3.7888	0.02865	20.1031	0.15201	3.79042	20.1154	6.57845	0.04974	35.8169	35.81690	0.27083	3.5
DORENA TAP	115		71	9	1.07	4320.6	0	860.6	8.1	4129.2	3361.3	822.5	7.8	3779.8	3779.8	752.9	7.4	7.4	3740.3	0	745	8.1	2.02715	0.01533	16.3563	0.12368	2.02877	16.3687	3.47952	0.02631	23.2894	23.28940	0.17610	4.3
DOUGLAS-DOGW	115	DOUGLAS	17	15	1.07	12773.8	0	2544.4	24.9	13167.5	14025.6	2622.8	27.3	13347.9	13347.9	2658.7	29.5	29.5	11043.5	0	2199.7	24.8	0.22257	0.00168	5.53409	0.04185	0.2244	5.55307	0.09172	0.00069	4.80487	4.80487	0.03633	14.0
DOUGLAS-DOGW	230	DOUGLAS	17	15	1.06	37879.9	0	15090.3	19.8	38729.4	41266.3	15428.7	18.6	39052.8	39052.8	15557.5	17.9	17.9	32431.3	0	12919.7	19.6	0.18831	0.00036	3.72241	0.00704	0.19582	3.80802	0.22252	0.00042	3.29827	3.29827	0.00623	41.3
DRAIN	12.5	DRAN	4	3	1.07	6516.6	0	141.1	8.3	6974.8	7770.7	151	9.2	7089.5	7089.5	153.5	9.8	N/A	5643.2	0	122.2	8.3	0.14154	0.09059	1.17931	0.75476	0.14156	1.17946	0.0495	0.00000	0.89969	0.00000	0.00000	7.8
DRAIN	69	DRAN	4	3	1.07	2077.6	0	248.3	6.4	1982.7	1656.9	237	6.3	1843.3	1843.3	220.3	6.3	6.3	1799.0	0	215	6.4	3.19199	0.06704	20.3174	0.42675	3.19258	20.3219	4.512	0.09477	28.0428	28.04280	0.58901	2.1
DRAIN	115	DRAN	4	3	1.07	2857.9	0	569.3	3.0	2681.1	1811.0	534	3.1	2217.4	2217.4	441.7	3.4	3.4	2474.4	0	492.9	3	7.79031	0.05891	23.6677	0.17896	7.79194	23.68	11.4568	0.08663	45.126	45.12600	0.34122	2.9
DRISCOLL	115	DRIS	5	3	1.07	6347.4	0	1264.3	3.8	5811.5	3165.0	1157.6	3.9	4225.8	4225.8	841.7	4.5	4.5	5497.4	0	1095	3.8	2.86509	0.02166	10.8159	0.08178	2.86981	10.8132	5.22172	0.03948	27.585	27.58500	0.20858	6.3
DRISCOLL	230	DRIS	5	3	1.07	13202.2	0	5259.4	11.3	12100.7	7762.0	4820.6	11.1	9787.5	9787.5	3899.1	10.7	10.7	11446.6	0	4560	11.1	0.94744	0.00179	10.6801	0.02019	0.97008	10.6533	2.11427	0.00400	21.8671	21.86710	0.04134	13.2
DRISCOLL TAP	230	T 21/5	5	3	1.07	13202.5	0	5259.5	11.3	12097.4	7727.2	4819.3	11	9759.9	9759.9	3888.1	10.7	10.7	11446.9	0	4560.1	11.1	0.94903	0.00179	10.68	0.02019	0.97168	10.6532	2.14498	0.00405	21.9888	21.98880	0.04157	13.2
DRUMMOND	115	DRUM	24	3	1.05	3106.2	0	618.7	5.0	3451.0	3978.4	687.4	5.6	3483.2	3483.2	693.8	5.9	5.9	2684.4	0	534.7	5	4.39158	0.03321	22.0103	0.16643	4.47566	22.0899	1.20966	0.00915	15.0915	15.09150	0.11411	4.0
DRUMMOND	161	DRUM	24	3	1.05	2325.9	0	648.6	5.1	2479.9	2638.2	691.5	5.7	2469.2	2469.2	688.6	6.1	6.1	2010.6	0	560.7	5.1	8.01618	0.03093	41.1464	0.15874	8.16087	41.2716	2.95746	0.01141	34.4874	34.48740	0.13305	2.6
DRUMMOND BK2	12.5	DRUM	24	35	1.05	2585.1	0	56.0	18.9	2771.3	3207.3	60	20.4	2862.4	2862.4	62	21.3	21.3	2238.4	0	48.5	18.9	0.15478	0.09906	2.9275	1.87360	0.15577	2.92844	0.06234	0.03990	2.07813	2.07813	1.33000	3.2
DRUMMOND BK4	13.8	Bk4 tert	24	3	1.05	6807.8	0	162.7	14.2	5892.7	0.0	140.8	14.1	0.0	0	0	2106.9	N/A	5892.7	0	140.8	14.1	0.08648	0.04541	1.22607	0.64381	0.08772	1.22727	0	0.00000	-5.00E+07	0.00000	0.00000	6.8
DRUMMOND BK5	12.6	Bk5 tert	24	3	0.00	0.0	0	0.0	0.0	0.0	0.0	0	0	0.0	0	0	0	N/A	0.0	0	0	0	0	0.00000	-1.00E+08	0.00000	0	-1.00E+08	0	0.00000	-1.00E+08	0.00000	0.00000	
DRUMOND1	46	DRUM	24	35	1.05	2410.3	0	192.0	9.2	2506.2	2643.3	199.7	10	2520.2	2520.2	200.8	10.7	10.7	2086.1	0	166.2	9.1	1.25181	0.05916	11.5026	0.54360	1.26527	11.5154	0.58173	0.02749	10.0346	10.03460	0.47422	2.6
DRUMOND2	46	DRUM	24	35	1.05	2540.4	0	202.4	10.5	2936.1	3803.1	233.9	11.4	3019.8	3019.8	240.6	11.6	11.6	2180.9	0	173.8	10.4	1.04452	0.04936	10.9212	0.51612	1.07049	11.112	0.257	0.01215	5.55252	5.55252	0.26241	3.8
DUCKABUSH	12.5		11	1	1.07	3295.7	0	71.4	10.4	3389.8	3576.5	73.4	10.8	3430.4	3430.4	74.3	11.2	11.2	2854.1	0	61.8	10.4	0.22523	0.14415	2.3356	1.49478	0.22527	2.33574	0.15234	0.09750	2.0647	2.06470	1.32141	3.6
DUCKABUSH	115	T 37/1.1	11	3	1.07	3767.8	0	750.5	2.9	3471.5	1803.8	691.5	3	2441.6	2441.6	486.3	3.7	3.7	3262.0	0	649.7	2.9	6.16895	0.04665	17.846	0.13494	6.17226	17.858	10.4817	0.07926	48.6799	48.67990	0.36809	3.8
DUFFIN	138	DUFFIN	24	26	1.06	14474.4	0	3459.7	9.9	14436.8	13714.1	3450.7	9.3	14060.1	14060.1	3360.7	8.6	8.6	12512.7	0	2990.8	9.8	0.5884	0.00309	5.82956	0.03061	0.59969	5.84958	0.89878	0.00472	6.29563	6.29563	0.03306	14.5
DUFFIN 1	34.5		24	26	1.06	3766.7	0	225.1	18.3	3869.8	3938.7	231.2	22	3851.0	3851	230.1	26.9	26.9	3261.7	0	194.9	18.3	0.30696	0.02579	5.6205	0.47221	0.30767	5.62175	4.00E-10	0.00000	5.26334	5.26334	0.44220	3.9
DUFORT	115		16	1	1.04	3154.9	0	628.4	4.3	2821.0	1349.5	561.9	4.4	1868.7	1868.7	372.2	5.1	5.1	2699.9	0	537.8	4.3	4.95855	0.03749	21.3515	0.16145	5.12114	21.8529	11.2771	0.08527	65.7425	65.74250	0.49711	3.2
DUFUR-NWC	69	DUFUR-NW	22	1	1.07	661.3	0	79.0	7.9	637.6	556.6	76.2	7.9	604.5	604.5	72.2	7.8	7.8	572.7	0	68.4	7.9	8.0647	0.16939	64.0266	1.34481	8.06452	64.0227	10.7418	0.22562	82.0321	82.03210	1.72300	0.7
DUTCH CNY	115	T 13/8	5	3	1.09	8884.3	0	1769.6	4.0	8036.5	3933.3	1600.7	4.1	5453.2	5453.2	1086.2	4.7	4.7	7692.8	0	1532.3	4	1.97857	0.01496	7.92558	0.05993	1.98333	7.92715	4.35535	0.03293	23.1968	23.19680	0.17540	8.9
DUWAMISH	230	DUWAMISH	8	14	1.09	30052.6	0	11972.1	10.0	28868.4	24372.1	11500.4	9.5	26713.1	26713.1	10641.8	8.8	8.8	25827.7	0	10289	10	0.48	0.00091	4.81441	0.00910	0.49078	4.88809	0.87135	0.00165	6.52262	6.52262	0.01233	30.1
DWORS PH	115	DWPH	18	1	1.03	6262.6	0	1247.4	9.1	6316.4	6112.7	1258.1	10.1	6146.2	6146.2	1224.2	11.3	11.3	5386.7	0	1073	9.1	1.19687	0.00905	10.8951	0.08238	1.22509	11.0428	0.53813	0.00407	11.4357	11.43570	0.08647	6.3
DWORS PH	525	DWPH	18	1	1.03	12551.7	0	11413.6	16.1	11639.1	8384.7	10583.7	15.4	9976.0	9976	9071.4	14.2	14.2	10785.8	0	9807.8	16	1.53514	0.00056	24.7251	0.00897	1.5851	25.11	3.45928	0.00126	43.4392	43.43920	0.01576	12.6
DWORSHAK	525	DWOK	18	3	1.03	13338.2	0	12128.8	11.7	12480.5	8671.8	11348.8	14.7	10479.8	10479.8	9529.6	13.1	13.1	11604.7	0	10552.5	15.5	1.47397	0.00053	22.979	0.00834	1.52179	23.3418	3.75763	0.00136	42.4504	42.45040	0.01540	13.3
DWORSHK-SCAP	525	DWOK	18	3	1.01	14298.4	0	13001.9	3.0	13495.4	9992.2	12271.8	2.9	12100.0	12100.5	11002.9	2.9	2.9	12757.3	0	11600.5	2.8	1.58179	0.00057	8.19434	0.00297	1.63617	8.99194	3.5071	0.00127	21.3724	21.37240	0.00775	14.3
E ELLNBG	12.5	EAEL	17	3	1.06	7291.0	0	157.9	10.2	7708.2	8482.8	166.9	11.2	7842.4	7842.4	169.8	11.9	N/A	6313.9	0	136.7	10.2	0.10233	0.06549	1.04708	0.67013	0.10234	1.04716	0.04141	0.00000	0.8297	0.00000	0.00000	8.5
E ELLNBG	115	EAEL	17	3	1.06	3693.3	0	735.6	3.6	3368.4	1683.9	670.9	3.7	2314.1	2314.1	460.9	4.5	4.5	3197.9	0	637	3.6	5.1567	0.03899	18.3986	0.13912	5.15733	18.4059	9.72452	0.07353	52.4586	52.45860	0.39666	3.7
E ELLNBG TAP	115	T 34/8	17	3	1.06	4406.2	0	877.7	4.7	3991.1	2039.2	795	4.8	2788.0	2788	555.3	5.4	5.4	3815.0	0	759.9	4.7	3.35273	0.02535	15.661	0.11842	3.35336	15.6683	7.00371	0.05296	43.3589	43.35890	0.32786	4.4
E FOSS-CBEC	12.5	EAST FOS	22	1	1.05	1719.9	0	37.2	27.9	1798.6	1951.2	38.9	33.7	1828.3	1828.3	39.6	39.4	39.4	1489.5	0	32.2	27.9	0.15846	0.10141	4.42411	2.83143	0.15847	4.42408	0	0.00000	3.64063	3.64063	2.33000	2.0
E FOSS-CBEC	69	EAST FOS	22	1	1.05	1725.6	0	206.2	4.9	1848.4	1964.0	220.9	5.5	1838.4	1838.4	219.7	6	6	1494.4	0	178.6	4.9	4.82845	0.10142	23.8725	0.50142	4.8286	23.8717	1.58283	0.03325	19.9117	19.91170	0.41823	2.0
E GRNGVL	12.5	E GRNGVL	18	1	1.04	2594.9	0	56.2	6.9	2759.8	2980.3	59.8	7.7	2774.8	2774.8	60.1	8.3	8.3	2246.9	0	48.6	6.9	0.417	0.26688	2.87323	1.83887	0.41716	2.87408	0.14128	0.09042	2.33948	2.33948	1.49727	3.0
E GRNGVL	115	E GRNGVL	18	1	1.04	1363.1	0	271.5	1.9	1270.0	595.6	253	2.1	831.5	831.5	165.6	2.8	2.8	1179.7	0	235	1.9	23.3367	0.17646	45.176	0.34160	23.35	45.2479	37.8033	0.28585	144.929	144.92900	1.09587	1.4
E JACKSN-LVE	115		24	33	1.06	3112.1	0	619.9	5.2	2913.1	2023.2	580.2	5.3	2470.9	2470.9	492.2	5.5	5.5	2715.6	0	540.9	5.2	4.27819	0.03235	22.2088	0.16793	4.26885	21.8641	6.73207	0.05090	40.0076	40.00760	0.30251	3.1
E KELSO-CWTZ	115	E KELSO-	5	34	1.06	19907.6	0	3965.3	6.5	18140.4	10912.3	3613.3	6.5	14093.1	14093.1	2807.1	6.7	6.7	17235.2	0	3433	6.4	0.54192	0.00410	3.50182	0.02648	0.54905	3.5029	1.11437	0.00843	7.84887	7.84887	0.05935	19.9
E OMAK	115	EOMK	17	3	1.06	8355.6	0	1664.3	7.0	7564.9	4247.2	1506.8	7.1	5631.3	5631.3	1121.7	7.4	7.4	7235.5	0	1441.2	7	1.18463	0.00896	8.322	0.06293	1.18442	8.32361	2.61177	0.01975	20.4386	20.43860	0.15455	8.4
E OMAK	230	EOMK	17	3	1.06	6002.7	0	2391.3	8.4	5404.5	2779.6	2153	8.2	3799.6	3799.6	1513.7	7.6	7.6	5198.2	0	2070.8	8.4	2.7682	0.00523	23.2847	0.04402	2.76794	23.2872	8.91249	0.01685	63.619	63.61900	0.12026	6.0
E OMAK TAP	115	T 32/6	17	3	1.06	3972.2	0	791.2	3.9	3751.9	2517.6	747.3	4.1	3083.8	3083.8	614.2	4.8	4.8	3439.8	0	685.2	3.9	4.3931	0.03322	17.1006	0.12931	4.3928	17.1034	5.08572	0.03846	32.5985	32.59850	0.24649	4.0
E PINE	115	E PINE	8	14	1.10	24425.7	0	4865.2	8.8	25670.3	27789.9	5113.2	8.1	25929.4	25929.4	5164.8	7.7	7.7	21093.2	0	4201.5	8.8	0.33725	0.00255	2.96571	0.02243	0.33945	2.98256	0.41062	0.00310	2.41652	2.41652	0.01827	27.8
E PINE	230	E PINE	8	14	1.10	26574.8	0	10586.6	8.8	25790.5	21173.8	10274.2	7.9	23427.5	23427.5	9332.9	6.8	6.8	22866.3	0	9109.3	8.8	0.61948	0.00117	5.43813	0.01028	0.62952	5.50835	1.46714	0.00277	7.48017	7.48017	0.01414	26.6
E.COLFAX115	115	E.COLFAX	446	2	1.06	6832.4	0	1360.9	4.2	6220.0	3254.5	1238.9	4.3	4405.9	4405.9	877.6	5	5	5910.9	0	1177.4	4.2	2.39008	0.01807	9.98148	0.07547	2.39819	10.0014	4.55194	0.03442	26.8439	26.84390	0.20298	6.8
E.GRANTAP115	115	E.GRANTA	444	2	1.04	1377.6	0	274.4	1.9	1283.2	602.0	255.6	2.1	840.4	840.4	167.4	2.8	2.8	1192.2	0	237.5	1.9	23.0351	0.17418	44.7329	0.33824	23.0484	44.8049	37.3495	0.28242	143.401	143.40100	1.08432	1.4
EAGLE LK	13.8	EALK	20	3	1.03	5141.4	0	122.9	14.4	5410.8	6024.7	129.3	15.2	5548.0	5548	132.6	15.8	15.8	4452.4	0	106.4	14.4	0.11137	0.05848	1.59898	0.83962	0.11138	1.59911	0.05801	0.03046	1.24922	1.24922	0.65597	6.0
EAGLE LK	115	EALK	20	3	1.03	2795.0	0	556.7	6.6	2504.7	1271.8	498.9	6.5	1747.9	1747.9	348.2	6.4	6.4	2420.1	0	482.1	6.6	3.70561	0.02802	24.2892	0.18366	3.7062	24.2978	10.666	0.08065	67.8885	67.88850	0.51333	2.8
EAGLE RK	161	EAGLE RK	72	9	1.04	7683.3	0	2142.6	9.1	7415.2	6264.9	2067.8	8.5	6882.0	6882	1919.1	7.8	7.8	6634.0	0	1850	8.9	1.38276	0.00533	12.5234	0.04831	1.44807	12.5923	2.53883	0.00979	16.741	16.74100	0.06458	7.7
EAST HILLS	12.5	EHIL	24	1	1.06	3454.5	0	74.8	12.7	3860.5	4867.5	83.6	12.6	4040.7	4040.7	87.5	12.5	12.5	2991.5	0	64.8	12.7	0.17393	0.11132	2.20714	1.41257	0.17405	2.20745	0.10327	0.06609	1.24573	1.24573	0.79727	4.9
EAST HILLS	34.5	EHIL	24	3	1.06	2874.6	0	171.8	13.6	2953.7	3096.9	176.5	14.5	2981.2	2981.2	178.1	15.3	15.3	2489.0	0	148.7	13.6	0.53828	0.04522	7.32362	0.61530	0.53918	7.32597	0.30827	0.02590	6.54709	6.54709	0.55006	3.1
EAST HILLS	138	EHIL	24	3	1.06	6516.2	0	1557.5	3.4	5963.9	3331.4	1425.5	3.5	4403.4	4403.4	1052.5	3.9	3.9	5634.4	0	1346.8	3.4	3.68	0.01932	12.4244	0.06524	3.69451	12.4619	6.95804	0.03654	30.8244	30.82440	0.16186	6.5
EASTMNT-DOGW	115	EASTMONT	17	15	1.07	11843.8	0	2359.1	11.2	10838.0	6177.2	2158.8	10.4	8109.9	8109.9	1615.4	8.3	8.3	10242.3	0	2040.1	11.2	0.5325	0.00403	5.96409	0.04510	0.53399	5.98127	2.07076	0.01566	14.1003	14.10030	0.10662	11.8
ECHO LAKE N	525	ECOL	8	3	1.04	27716.5	0	25203.3	17.3	25912.4	18401.3	23562.8	15.2	21966.3	21966.3	19974.5	12.1	12.1	23833.4	0	21672.4	17	0.65917	0.00024	11.3916	0.00413	0.6885	11.5527	2.20429	0.00080	20.1024	20.10240	0.00729	27.7
EE CLOUS TAP	115		22	1	1.05	2138.8	0	426.0	27.8	2711.3	3934.2	540.1	25.9	2771.1	2771.1	552	26	26	1852.2	0	368.9	27.8	1.17488	0.00888	32.6183	0.24664	1.17508	32.6183	0.55636	0.00421	10.2825	10.28250	0.07775	3.9
EECLOUSE115	115		22	1	1.05	2159.6	0	430.2	32.4	2754.0	4025.8	548.5	30.6	2811.2	2811.2	559.9	30.8	30.8	1870.2	0	372.5	32.4	0.99735	0.00754	32.3096	0.24431	0.99755	32.3096	0.42363	0.00320	9.83901	9.83901	0.07440	4.0
EECLOUSE230	230		22	1	1.05	9098.1	0	3624.4	15.2	9418.3	10310.0	3752	15.2	9666.2	9666.2	3850.7	15.2	15.2	7879.2	0	3138.8	15.2	1.00809	0.00191	15.2979	0.02892	1.00888	15.2979	0.81906	0.00155	12.6013	12.60130	0.02382	10.3
EGYPT	115	EGYP	16	1	1.07	2731.1	0	544.0	3.6	2465.7	1079.7	491.1	3.7	1548.4	1548.4	308.4	4.6	4.6	2365.1	0	471.1	3.6	6.91832	0.05231	24.9768	0.18886	6.91856	24.9808	15.5004	0.11721	84.0109	84.01090	0.63524	2.7
EGYPT TAP	115	T 15/8	16	3	1.07	3987.0	0	794.1	5.6	3560.4	1616.1	709.2	5.6	2299.7	2299.7	458.1	6	6	3452.4	0	687.7	5.6	3.14633	0.02379	17.4727	0.13212	3.14657	17.4766	8.86381	0.06702	56.1354	56.13540	0.42446	4.0
ELECT PARK	69		10	1	1.07	10410.5	0	1244.2	22.9	11931.2	15326.5	1425.9	26.3	12391.1	12391.1	1480.9	27.2	27.2	9009.7	0	1076.8	22.8	0.17833	0.00375	4.08644	0.08583	0.17977	4.09192	0.02079	0.00044	2.1243	2.12430	0.04462	15.3
ELECT PARK	115		10	1	1.07	15552.6	0	3097.9	9.0	18130.6	23476.0	3611.4	10	18680.3	18680.3	3720.9	10.2	10.2	13446.0	0	2678.3	9	0.50189	0.00380	4.53554	0.03430	0.5059	4.55078	0.10844	0.00082	2.25649	2.25649	0.01706	23.5
ELECT PARK E	115		10	1	1.07	15552.6	0	3097.9	9.0	18128.6	23472.9	3611	10	18679.3	18679.3	3720.7	10.2	10.2	13446.0	0	2678.3	9	0.50189	0.00380	4.53554	0.03430	0.5059	4.55078	0.10904	0.00082	2.25704	2.25704	0.01707	23.5
ELISFORD-OKP	115	ELIS	17	16	1.06	2053.8	0	409.1	3.9	1855.2	874.4	369.5	4.1	1227.0	1227	244.4	4.7	4.7	1778.6	0	354.3	3.9	8.40532	0.06356	33.1601	0.25074	8.40511	33.1617	18.8282	0.14237	101.721	101.72100	0.76916	2.1
ELKTON-DOUE	69	ELKTON	4	1	1.07	1287.5	0	153.9	1.6	1254.0	881.0	149.9	1.6	1048.5	1048.5	125.3	1.9	1.9	1114.9	0	133.2	1.6	17.9675	0.37739	27.9042	0.58610	17.9681	27.9087	21.6005	0.45370	52.0627	52.06270	1.09352	1.3
ELLENSBURG	115	ELLN	17	3	1.06	4386.5	0	873.7	4.6	3973.4	2023.1	791.4	4.7	2769.1	2769.1	551.6	5.4	5.4	3798.0	0	756.5	4.6	3.42021	0.02586	15.7138	0.11882	3.42083	15.721	7.14778	0.05405	43.6997	43.69970	0.33043	4.4
ELLENSBURG 1	12	ELLN	17	1	1.06	5187.7	0	107.8	12.4	5335.0	5648.0	110.9	12.9	5408.0	5408	112.4	13.4	13.4	4492.6	0	93.4	12.4	0.11383	0.07905	1.41434	0.98218	0.11384	1.41442	0.07659	0.05319	1.24324	1.24324	0.86336	5.6
ELLENSBURG 2	34.5	ELLN	17	3	1.06	2706.6	0	161.7	12.6	2829.8	3083.2	169.1	13.5	2882.7	2882.7	172.3	14.3	14.3	2343.9	0	140.1	12.6	0.61621	0.05177	7.79446	0.65486	0.61627	7.79511	0.30839	0.02591	6.38022	6.38022	0.53604	3.1
ELLENSBURG 3	12	ELLN	17	1	1.06	6630.0	0	137.8	13.6	6881.6	7399.6	143	14.5	6993.7	6993.7	145.4	15.3	N/A	5741.6	0	119.3	13.6	0.08116	0.05636	1.10727	0.76894	0.08117	1.10735	0.04392	0.00000	0.93617	0.00000	0.00000	7.4
ELMA	69	ELMA	10	3	1.13	2380.1	0	284.4	7.2	2445.0	2545.3	292.2	6.9	2459.7	2459.7	294	6.7	6.7	2060.9	0	246.3	7.2	2.60464	0.05471	18.6698	0.39214	2.60594	18.676	2.90335	0.06098	16.7714	16.77140	0.35227	2.5
ELMA	115	ELMA	10	3	1.08	5809.2	0	1157.1	3.2	5470.8	3401.2	1089.7	3.4	4292.9	4292.9	855.1	4.1	4.1	5027.7	0	1001.4	3.2	3.68501	0.02786	11.7467	0.08882	3.68832	11.7623	4.46143	0.03373	25.0477	25.04770	0.18940	5.8
ELMA BK1	12.5	Bk1 tert	10	3	1.13	4372.8	0	94.7	9.6	3786.8	0.0	82	9.6	0.0	0	0	2178.7	N/A	3786.8	0	82	9.6	0.19196	0.12285	1.84873	1.18319	0.19201	1.84893	0	0.00000	-5.00E+07	0.00000	0.00000	4.4
ELMO	12.5	ELMO	15	1	1.05	5210.0	0	112.8	10.7	5430.4	5806.8	117.6	11.6	5496.1	5496.1	119	12.4	12.4	4514.8	0	97.7	10.8	0.13499	0.08639	1.45017	0.92811	0.13444	1.4484	0.06276	0.04017	1.22997	1.22997	0.78718	5.8
ELMO	115	ELMO	15	3	1.05	4480.8	0	892.5	2.3	4266.9	2773.3	849.9	2.5	3447.7	3447.7	686.7	2.8	2.8	3900.1	0	776.8	2.3	6.14325	0.04645	14.3582	0.10857	6.09635	14.2077	8.17571	0.06182	28.8016	28.80160	0.21778	4.5
ELTOPIA	13.8	ELOP	20	1	1.02	6411.4	0	153.2	10.7	6855.3	7610.2	163.9	12.1	6960.7	6960.7	166.4	13.3	N/A	5552.3	0	132.7	10.7	0.11852	0.06223	1.2634	0.66341	0.11852	1.26348	0.02662	0.00000	0.96961	0.00000	0.00000	7.6
ELTOPIA	115	ELOP	20	3	1.02	3171.5	0	631.7	3.2	2902.2	1472.3	578.1	3.3	2012.3	2012.3	400.8	4	4	2746.3	0	547	3.2	6.38196	0.04826	20.4026	0.15427	6.38202	20.4076	11.8287	0.08944	57.2258	57.22580	0.43271	3.2
ELY	115	T 9/12	20	3	1.03	8320.7	0	1657.4	6.7	7456.6	3801.3	1485.2	6.7	5215.9	5215.9	1038.9	6.8	6.8	7202.3	0	1434.6	6.7	1.21538	0.00919	8.10596	0.06129	1.21581	8.1143	3.27833	0.02479	22.5892	22.58920	0.17081	8.3
EMRG TIE1	115	T 18/1	11	3	1.07	7578.5	0	1509.5	8.7	6885.6	3893.0	1371.5	8.4	5141.3	5141.3	1024.1	7.7	7.7	6559.8	0	1306.6	8.7	1.07693	0.00814	9.35485	0.07074	1.07972	9.36443	3.23537	0.02446	22.5715	22.57150	0.17067	7.6
EMRG TIE2	115	T 18/1	11	3	1.07	7575.1	0	1508.8	8.7	6880.6	3879.9	1370.5	8.4	5129.1	5129.1	1021.6	7.7	7.7	6556.8	0	1306	8.7	1.07807	0.00815	9.35928	0.07077	1.08086	9.36887	3.24776	0.02456	22.6621	22.66210	0.17136	7.6
ENDERSBY-NWC	69	ENDERSBY	22	1	1.07	694.6	0	83.0	9.9	677.1	615.0	80.9	9.8	652.4	652.4	78	9.6	9.6	601.6	0	71.9	9.9	6.16372	0.12946	61.1255	1.28388	6.16354	61.1217	7.92023	0.16636	72.9318	72.93180	1.53186	0.7
ENERGIZER	230		22	1	1.06	20761.8	0	8270.9	22.3	21163.6	20613.8	8431	17.6	20722.6	20722.6	8255.3	14.4	14.4	18005.5	0	7172.9	22.2	0.30218	0.00057	6.74279	0.01275	0.30427	6.72374	0.7943	0.00150	6.77206	6.77206	0.01280	21.2
EUG-ALD-9/7	115	T 9/7	4	3	1.10	7339.6	0	1461.9	6.3	6574.0	3287.6	1309.4	6.3	4536.2	4536.2	903.6	6.6	6.6	6349.4	0	1264.7	6.3	1.56564	0.01184	9.8375	0.07439	1.56665	9.85923	4.16194	0.03147	28.1021	28.10210	0.21249	7.3
EUGENE	34.5	EUGE	4	3	1.10	3495.7	0	208.9	18.8	3528.4	3611.4	210.8	19	3552.0	3552	212.3	19.2	19.2	3026.9	0	180.9	18.8	0.33372	0.02804	6.26687	0.52652	0.33381	6.26881	0.29614	0.02488	5.96775	5.96775	0.50139	3.6
EUGENE	115	EUGE	4	3	1.10	21830.7	0	4348.4	8.0	20235.3	14077.6	4030.6	7.8	17063.0	17063	3398.7	7.4	7.4	18845.4	0	3753.7	8	0.41754	0.00316	3.32354	0.02513	0.41851	3.34509	0.8869	0.00671	6.07225	6.07225	0.04591	21.8
EUREKA-LMT	115	EURE	15	1	1.04	1122.4	0	223.6	2.7	1032.1	507.4	205.6	2.8	699.8	699.8	139.4	3.5	3.5	972.1	0	193.6	2.7	21.5328	0.16282	57.9156	0.43793	21.537	57.9095	38.4069	0.29041	170.089	170.08900	1.28612	1.1
EVANS TP	115	T 20/2-3	2	3	1.07	9741.7	0	1940.4	6.9	8746.7	4578.9	1742.2	6.9	6228.4	6228.4	1240.6	6.8	6.8	8434.8	0	1680.1	6.9	1.04347	0.00789	7.21327	0.05454	1.04687	7.21577	2.88354	0.02180	19.4059	19.40590	0.14674	9.7
EVERGREN	115		2	19	1.07	21622.7	0	4306.9	8.5	19930.8	12755.8	3969.9	8.1	16036.5	16036.5	3194.2	7.4	7.4	18713.4	0	3727.5	8.4	0.38647	0.00292	3.26781	0.02471	0.39088	3.27165	1.01606	0.00768	6.64964	6.64964	0.05028	21.6
FAIRGROUNDS	115	T 21/6	5	3	1.09	8964.6	0	1785.6	4.3	8062.8	3774.6	1606	4.4	5312.7	5312.7	1058.2	4.9	4.9	7762.7	0	1546.2	4.3	1.83619	0.01388	7.89686	0.05971	1.84057	7.89782	4.49161	0.03396	24.4263	24.42630	0.18470	9.0
FAIRMOUNT	115	FAMT	11	3	1.07	5642.8	0	1124.0	7.1	5265.9	3605.4	1048.9	7.4	4397.8	4397.8	876	8.3	8.3	4883.9	0	972.8	7.1	1.76377	0.01334	12.4552	0.09418	1.76781	12.4694	2.22896	0.01685	23.1534	23.15340	0.17507	5.6
FAIRMOUNT E	230	FAMT	11	3	1.07	5222.6	0	2080.5	9.5	4935.0	3786.4	1966	9.1	4383.4	4383.4	1746.2	8.4	8.4	4515.9	0	1799	9.4	2.85852	0.00540	27.0321	0.05110	2.87609	27.1152	5.68865	0.01075	42.3389	42.33890	0.08004	5.2
FAIRVIE-CCEC	24.9	FRVW	6	1	1.10	1540.5	0	66.4	15.6	1558.0	1600.3	67.2	15.8	1569.8	1569.8	67.7	16	16	1334.0	0	57.5	15.6	0.65622	0.10584	10.2258	1.64930	0.65631	10.2265	0.56725	0.09149	9.65548	9.65548	1.55731	1.6
FAIRVIEW	115	FAVW	6	3	1.10	5920.7	0	1179.3	6.4	7258.5	9953.2	1445.8	6.9	7421.1	7421.1	1478.2	7	7	5124.4	0	1020.7	6.4	1.89791	0.01435	12.1658	0.09199	1.89967	12.1808	0.39428	0.00298	4.82436	4.82436	0.03648	10.0
FAIRVIEW BK1	13.2	Bk1 tert	6	3	1.09	32709.6	0	747.8	8.7	28316.4	0.0	647.4	8.7	0.1	0.1	0	18226.2	N/A	28316.4	0	647.4	8.7	0.0292	0.01676	0.25278	0.14508	0.02923	0.25297	0	0.00000	-4.90E+05	0.00000	0.00000	32.7
FAIRVIEW NB	230	FAVW	6	3	1.05	4831.7	0	1924.8	6.2	5124.3	5495.7	2041.4	6.8	5139.3	5139.3	2047.4	7.4	7.4	4180.5	0	1665.4	6.2	4.59966	0.00870	28.5024	0.05388	4.60616	28.5567	1.76263	0.00333	23.6284	23.62840	0.04467	5.5
FAIRVIEW SS	13.2	Bk1 SS	6	3	1.09	3273.1	0	74.8	87.1	2834.5	0.0	64.8	87	0.1	0.1	0	2309960.3	N/A	2834.5	0	64.8	87	0.0292	0.01676	2.54279	1.45936	0.02923	2.54298	0	0.00000	-4.90E+05	0.00000	0.00000	3.3
FELIDA	115		2	19	1.07	14550.4	0	2898.2	5.2	13132.8	7048.5	2615.9	5.3	9496.2	9496.2	1891.5	5.5	5.5	12600.1	0	2509.8	5.2	0.9127	0.00690	4.78941	0.03621	0.92238	4.78823	2.18008	0.01648	12.4714	12.47140	0.09430	14.6
FERN RIDGE	13.8	FERD	4	1	1.09	6652.8	0	159.0	12.8	6807.4	7043.7	162.7	13.6	6842.3	6842.3	163.5	14.4	14.4	5760.9	0	137.7	12.8	0.10193	0.05352	1.30271	0.68405	0.10195	1.30295	0.05946	0.03122	1.19671	1.19671	0.62839	7.0
FERN RIDGE	115	T 7/5.1	4	3	1.09	9134.9	0	1819.5	2.5	8636.5	5247.1	1720.3	2.7	6671.3	6671.3	1328.8	3.2	3.2	7903.2	0	1574.2	2.5	2.94979	0.02230	7.36126	0.05566	2.95071	7.3778	3.74022	0.02828	16.3783	16.37830	0.12384	9.1
FERNHILL	115		5	1	1.07	5468.5	0	1089.3	4.4	5133.1	3608.7	1022.4	4.6	4349.3	4349.3	866.3	5	5	4736.3	0	943.4	4.4	2.86362	0.02165	12.6852	0.09592	2.86779	12.6818	3.96555	0.02999	22.718	22.71800	0.17178	5.5
FIDALGO	69	FIDA	9	3	1.07	4646.2	0	555.3	8.9	5125.7	5938.1	612.6	10.4	5212.9	5212.9	623	11.3	11.3	4022.0	0	480.7	8.9	1.02349	0.02150	9.13491	0.19187	1.02441	9.14268	0.11526	0.00242	6.20532	6.20532	0.13034	5.9
FIDALGO	115	FIDA	9	3	1.07	8359.8	0	1665.2	3.2	7729.1	4805.5	1539.5	3.3	6096.8	6096.8	1214.4	3.6	3.6	7230.7	0	1440.3	3.2	2.52093	0.01906	8.12975	0.06147	2.52346	8.15131	4.29568	0.03248	17.4629	17.46290	0.13204	8.4
FILBERT	12.5	FILB	3	1	1.10	10017.2	0	216.9	20.8	10198.8	10559.4	220.8	22	10281.2	10281.2	222.6	23.1	N/A	8675.1	0	187.8	20.8	0.03792	0.02427	0.78907	0.50500	0.03794	0.78908	0.0242	0.00000	0.72877	0.00000	0.00000	10.6
FILBERT	115	FILB	3	1	1.10	13908.6	0	2770.4	4.4	12665.2	6955.8	2522.7	4.5	9274.0	9274	1847.2	5	5	12043.5	0	2398.9	4.4	1.16079	0.00878	5.10405	0.03859	1.16293	5.10504	2.30828	0.01745	12.8816	12.88160	0.09740	13.9
FILBERT TAP	115	T 1/21	3	3	1.10	15546.5	0	3096.7	4.7	14180.2	8120.6	2824.5	4.8	10668.1	10668.1	2124.9	5.2	5.2	13461.7	0	2681.4	4.7	0.98092	0.00742	4.57901	0.03462	0.98306	4.58	1.92472	0.01455	10.9414	10.94140	0.08273	15.5
FIRST LIFT	34.5	1ST LIFT	24	1	1.04	3406.8	0	203.6	3.8	3183.2	2149.8	190.2	3.9	2636.3	2636.3	157.5	4.3	4.3	2949.9	0	176.3	3.8	1.55323	0.13050	5.90548	0.49615	1.55373	5.90723	2.30424	0.19359	11.2334	11.23340	0.94378	3.4
FIRST ST	115	T 6/11	25	3	1.04	8536.6	0	1700.4	5.9	7769.0	4425.6	1547.5	6	5825.9	5825.9	1160.4	6.6	6.6	7388.2	0	1471.6	5.9	1.35131	0.01022	7.95954	0.06019	1.35233	7.96977	2.62493	0.01985	19.1579	19.15790	0.14486	8.5
FISHCREEK	161	FISHCRK	72	9	1.03	5950.4	0	1659.3	4.2	5654.8	4157.6	1576.9	4.3	4887.0	4887	1362.8	4.8	4.8	5142.8	0	1434.1	4.1	3.76691	0.01453	15.6691	0.06045	3.82259	15.7222	4.40642	0.01700	26.2402	26.24020	0.10123	6.0
FLATHEAD	34.5	FLAT	15	1	1.05	9826.9	0	587.2	22.2	10395.3	11784.3	621.2	23.6	10716.9	10716.9	640.4	24.5	24.5	8510.2	0	508.5	22.2	0.09592	0.00806	2.12917	0.17888	0.09601	2.12924	0.04761	0.00400	1.5997	1.59970	0.13440	11.8
FLATHEAD	230	FLAT	15	3	1.05	5909.0	0	2354.0	11.0	5594.3	4207.5	2228.6	10.3	4915.4	4915.4	1958.2	9.1	9.1	5117.0	0	2038.5	11	2.14724	0.00406	23.532	0.04448	2.15095	23.535	5.03371	0.00952	37.6396	37.63960	0.07115	5.9
FLATHEAD-FEC	69	FLAT	15	1	1.05	4006.5	0	478.8	24.8	4187.6	4634.1	500.5	26.2	4297.5	4297.5	513.6	27.3	27.3	3469.7	0	414.7	24.8	0.42146	0.00885	10.4484	0.21946	0.4218	10.4487	0.22813	0.00479	8.32981	8.32981	0.17496	4.6
FLORENCE	115	FLORENCE	6	1	1.08	5376.0	0	1070.8	3.8	5181.1	4025.5	1032	4	4602.0	4602	916.7	4.4	4.4	4651.9	0	926.6	3.8	3.42092	0.02587	12.926	0.09774	3.42565	12.9479	3.54922	0.02684	19.8178	19.81780	0.14985	5.4
FOR GROV	115	FORG	3	3	1.10	17002.4	0	3386.6	5.5	15500.2	9265.2	3087.4	5.6	11992.7	11992.7	2388.8	5.8	5.8	14722.2	0	2932.4	5.5	0.76318	0.00577	4.21386	0.03186	0.76534	4.21485	1.54987	0.01172	9.52318	9.52318	0.07201	17.0
FOR GROV1	12.5	FORG	3	1	1.09	10173.4	0	220.3	21.4	10316.4	10629.0	223.4	22.1	10396.2	10396.2	225.1	22.8	N/A	8810.4	0	190.7	21.4	0.03628	0.02322	0.77522	0.49614	0.0363	0.77524	0.02731	0.00000	0.72568	0.00000	0.00000	10.6
FOR GROV2	12.5	FORG	3	1	1.09	10183.5	0	220.5	21.1	10326.7	10640.1	223.6	21.8	10406.8	10406.8	225.3	22.5	N/A	8819.1	0	190.9	21.1	0.03673	0.02351	0.77443	0.49564	0.03676	0.77444	0.02776	0.00000	0.72488	0.00000	0.00000	10.6
FORD PR TAP	69	T 12/12	10	3	1.06	6307.2	0	753.8	5.3	5469.0	785.9	653.6	5.3	1393.6	1393.6	166.6	5.8	5.8	5446.6	0	650.9	5.2	1.25852	0.02643	6.60753	0.13878	1.26857	6.64499	13.0416	0.27393	76.7371	76.73710	1.61179	6.3
FOSSIL	69	FOSS	22	3	1.05	1774.5	0	212.1	5.3	1936.9	2123.6	231.5	6.1	1935.0	1935	231.3	6.6	6.6	1536.8	0	183.7	5.3	4.38181	0.09204	23.2759	0.48889	4.38197	23.2751	0.93575	0.01965	17.8824	17.88240	0.37560	2.1
FOSSIL	115	FOSS	22	3	1.05	1765.4	0	351.6	3.3	1643.5	872.2	327.4	3.6	1169.8	1169.8	233	4.8	4.8	1528.9	0	304.5	3.3	11.3842	0.08608	37.7736	0.28562	11.3851	37.77	13.6704	0.10337	99.3142	99.31420	0.75096	1.8
FOSTER TAP	115	T 7/1	4	3	1.06	5950.4	0	1185.2	5.0	5896.8	4992.6	1174.6	5.3	5504.9	5504.9	1096.5	6	6	5222.2	0	1040.2	5	2.34218	0.01771	11.6076	0.08777	2.22751	11.3117	1.74619	0.01320	14.9572	14.95720	0.11310	6.0
FOSTER W TAP	115	T 3/11	20	3	1.03	15811.5	0	3149.4	9.2	14399.9	8365.5	2868.3	9	10932.4	10932.4	2177.6	8.1	8.1	13680.5	0	2725	9.3	0.4635	0.00350	4.28623	0.03241	0.46387	4.29427	1.36301	0.01031	9.98468	9.98468	0.07550	15.8
FOSTER-USCE	115	FOSE	4	3	1.06	5859.7	0	1167.2	4.9	5699.3	4480.9	1135.2	5.3	5139.4	5139.4	1023.7	6	6	5133.3	0	1022.5	5	2.39457	0.01811	11.7976	0.08921	2.29678	11.5365	2.13248	0.01612	17.2727	17.27270	0.13061	5.9
FOSTERC	115	FOST	17	3	1.05	4978.2	0	991.6	5.6	4620.1	3122.4	920.3	5.8	3837.3	3837.3	764.3	6.2	6.2	4310.4	0	858.6	5.6	2.44581	0.01849	13.7946	0.10431	2.44672	13.7999	3.82434	0.02892	26.2298	26.22980	0.19833	5.0
FOSTERC-NVEC	13.8	FOST	17	1	1.06	2902.3	0	69.4	12.0	2966.7	3091.0	70.9	12.5	2993.7	2993.7	71.6	12.9	12.9	2513.5	0	60.1	12	0.24069	0.12639	2.88971	1.51739	0.24069	2.88975	0.16869	0.08858	2.62901	2.62901	1.38049	3.1
FOSTERC-NVEC	115	FOST	17	3	1.06	3734.0	0	743.8	3.6	3527.2	2339.5	702.6	3.8	2878.7	2878.7	573.4	4.5	4.5	3233.5	0	644.1	3.6	5.00016	0.03781	18.1044	0.13690	4.99986	18.1072	5.89483	0.04457	35.127	35.12700	0.26561	3.7
FOSTRC-DOGW	115	FSTC	17	15	1.05	4992.1	0	994.4	5.7	4633.2	3135.0	922.9	5.8	3850.9	3850.9	767	6.2	6.2	4322.5	0	861	5.7	2.42333	0.01832	13.7589	0.10404	2.42424	13.7642	3.78996	0.02866	26.1187	26.11870	0.19749	5.0
FOUR L B1730	115	FOLK	16	3	1.06	5388.3	0	1073.3	2.9	4916.9	2299.7	979.4	3.1	3224.3	3224.3	642.2	3.8	3.8	4662.0	0	928.6	2.9	4.20761	0.03182	12.3146	0.09312	4.21317	12.3382	8.11198	0.06134	38.4602	38.46020	0.29081	5.4
FOUR L B1732	115	B1732	16	3	1.05	8824.0	0	1757.6	5.5	7913.3	3824.2	1576.2	5.6	5327.6	5327.6	1061.2	6.1	6.1	7629.5	0	1519.7	5.5	1.41548	0.01070	7.80956	0.05905	1.42095	7.83467	3.5236	0.02664	23.2761	23.27610	0.17600	8.8
FOUR L B239	115	B239	16	3	1.06	8909.5	0	1774.7	3.8	8064.5	3922.1	1606.3	4	5440.2	5440.2	1083.6	4.6	4.6	7704.0	0	1534.5	3.8	1.98045	0.01498	7.61698	0.05760	1.98601	7.6406	4.1943	0.03171	22.539	22.53900	0.17043	8.9
FOUR LAKES	115	FOLK	16	3	1.05	5869.9	0	1169.2	3.6	5316.6	2466.4	1059	3.7	3471.7	3471.7	691.5	4.5	4.5	5078.0	0	1011.5	3.6	3.19041	0.02412	11.4969	0.08693	3.19588	11.522	6.64567	0.05025	36.0801	36.08010	0.27282	5.9
FOURTH PLAIN	115		2	19	1.07	22183.8	0	4418.7	8.2	20313.8	12514.2	4046.2	8	15992.1	15992.1	3185.4	7.4	7.4	19199.3	0	3824.2	8.2	0.38638	0.00292	3.18259	0.02406	0.39097	3.18621	1.01226	0.00765	6.85231	6.85231	0.05181	22.2
FR-BC #2 TIE	115	TW 4/5	20	1	1.03	12717.9	0	2533.2	5.6	11639.3	7225.2	2318.4	5.7	9208.3	9208.3	1834.2	5.9	5.9	11005.5	0	2192.1	5.6	0.94696	0.00716	5.27833	0.03991	0.94739	5.28667	1.80375	0.01364	11.3445	11.34450	0.08578	12.7
FR-HDGS TIE	115	TWR 5/1	20	1	1.03	13588.7	0	2706.7	8.9	12399.4	7609.8	2469.8	8.7	9748.2	9748.2	1941.7	8.4	8.4	11758.4	0	2342.1	8.9	0.56203	0.00425	4.98734	0.03771	0.56245	4.99568	1.36822	0.01035	10.8571	10.85710	0.08210	13.6
FRANKLIN	230	FRAN	20	3	1.04	10270.1	0	4091.3	9.9	9691.4	7511.5	3860.8	10.2	8656.8	8656.8	3448.6	10.8	10.8	8873.4	0	3534.9	9.9	1.34908	0.00255	13.3271	0.02519	1.35142	13.3899	1.68357	0.00318	20.7555	20.75550	0.03924	10.3
FRANKLIN BK1	12.5	FRAN	20	3	1.03	8308.2	0	179.9	15.9	8356.7	8492.3	180.9	15.9	8398.8	8398.8	181.8	16	N/A	7194.7	0	155.8	15.9	0.05603	0.03586	0.89048	0.56991	0.05604	0.89058	0.05337	0.00000	0.86163	0.00000	0.00000	8.5
FRANKLIN BK2	12.5	FRAN	20	3	1.03	6497.3	0	140.7	20.7	6527.4	6609.3	141.3	20.8	6552.5	6552.5	141.9	20.9	20.9	5626.6	0	121.8	20.7	0.05495	0.03517	1.13961	0.72935	0.05496	1.13971	0.0523	0.03347	1.11075	1.11075	0.71088	6.6
FRANKLIN BK4	13.2	Bk4 tert	20	3	1.03	75029.9	0	1715.4	13.7	64945.3	0.0	1484.8	13.7	0.0	0	0	185.8	N/A	64945.3	0	1484.8	13.7	0.00762	0.00437	0.10398	0.05968	0.00762	0.10408	0	0.00000	-5.00E+07	0.00000	0.00000	75.0
FRANKLIN EB	115	FRAN	20	3	1.03	27818.4	0	5541.0	10.9	27290.3	25058.3	5435.8	10.5	26322.2	26322.2	5243	10.1	10.1	24050.5	0	4790.5	10.9	0.22347	0.00169	2.44137	0.01846	0.2239	2.44972	0.31962	0.00242	2.84377	2.84377	0.02150	27.8
FREDERICKSON	230	COVINGTO	8	1	1.09	21134.1	0	8419.2	10.8	19683.6	16923.5	7841.4	10.8	17832.3	17832.3	7103.9	11.2	11.2	17344.6	0	6909.6	10.1	0.63382	0.00120	6.83065	0.01291	0.78968	7.57705	0.74805	0.00141	9.88596	9.88596	0.01869	21.1
FREEWATR	69	FREW	20	3	1.03	3336.3	0	398.7	3.7	3044.1	1602.5	363.8	3.8	2164.2	2164.2	258.6	4.4	4.4	2886.9	0	345	3.7	3.21958	0.06762	11.8916	0.24977	3.22825	11.9113	6.12226	0.12859	31.7708	31.77080	0.66731	3.3
FREEWATR BK1	13.8	FREW	20	1	1.03	5681.2	0	135.8	8.2	6253.3	7323.0	149.5	9.1	6398.0	6398	152.9	9.6	N/A	4918.6	0	117.6	8.1	0.17613	0.09249	1.43622	0.75416	0.17647	1.43701	0.04734	0.00000	0.96056	0.00000	0.00000	7.3
FREEWATR BK2	13.8	FREW	20	1	1.03	6571.7	0	157.1	7.7	7382.2	8874.5	176.5	8.8	7551.1	7551.1	180.5	9.2	N/A	5689.3	0	136	7.7	0.16038	0.08422	1.24058	0.65143	0.16072	1.24138	0.03159	0.00000	0.76492	0.00000	0.00000	8.9
FROMAN	12.5	FROM	4	1	1.07	3394.5	0	73.5	13.8	3426.6	3487.7	74.2	14.1	3440.9	3440.9	74.5	14.3	14.3	2940.0	0	63.7	13.8	0.16492	0.10555	2.27313	1.45480	0.16476	2.27266	0.13972	0.08942	2.18303	2.18303	1.39714	3.5
FROMAN	115	T 6/6-7	4	3	1.07	8988.1	0	1790.3	3.6	8352.2	5111.7	1663.6	3.7	6537.3	6537.3	1302.1	4.2	4.2	7804.9	0	1554.6	3.6	2.13288	0.01613	7.62615	0.05766	2.11947	7.58578	3.33964	0.02525	16.5561	16.55610	0.12519	9.0
FT RCK1N	525	T 88/2	26	3	1.03	14279.1	0	12984.4	3.3	13328.4	4447.6	12119.8	3.6	7324.5	7324.5	6660.4	6.9	6.9	13075.6	0	11890	3.5	1.92937	0.00070	17.4728	0.00634	1.96403	17.572	14.3483	0.00521	91.6667	91.66670	0.03326	14.3
FT RCK1S	525	T 88/2	26	3	1.03	14279.0	0	12984.3	3.3	13328.3	4447.6	12119.8	3.6	7324.3	7324.3	6660.2	6.9	6.9	13075.5	0	11889.9	3.5	1.9293	0.00070	17.4743	0.00634	1.96398	17.5735	14.3484	0.00521	91.6684	91.66840	0.03326	14.3
FT RCK2N	525	PGE	26	7	1.03	13899.4	0	12639.1	3.4	12956.7	4371.0	11781.9	3.8	7105.1	7105.1	6460.9	7.1	7.1	12724.5	0	11570.7	3.8	2.00894	0.00073	18.4801	0.00670	2.04059	18.5702	14.4057	0.00523	93.7237	93.72370	0.03400	13.9
FT RCK2S	525	PGE	26	7	1.03	13899.3	0	12639.0	3.4	12956.7	4371.0	11781.8	3.8	7104.9	7105	6460.7	7.1	7.1	12724.4	0	11570.6	3.8	2.00886	0.00073	18.4815	0.00671	2.04052	18.5716	14.4058	0.00523	93.7249	93.72490	0.03400	13.9
FT RCK3N	525	T 88/3	26	3	1.03	15623.7	0	14207.0	4.5	14074.9	4694.9	12798.7	4.4	7766.0	7766	7061.8	6.1	6.1	13889.8	0	12630.4	4.4	1.88058	0.00068	16.1115	0.00585	1.90855	16.2044	15.8682	0.00576	86.8452	86.84520	0.03151	15.6
FT RCK3S	525	T 88/3	26	3	1.03	15626.8	0	14209.9	4.5	14077.1	4695.2	12800.7	4.4	7765.2	7765.2	7061.1	6.1	6.1	13892.5	0	12632.8	4.4	1.87967	0.00068	16.1179	0.00585	1.90765	16.2108	15.8697	0.00576	86.846	86.84600	0.03151	15.6
FT ROCK-MEC	115	FT ROCK	21	1	1.07	1424.0	0	283.6	6.8	1273.1	637.4	253.6	6.8	880.0	880	175.3	6.8	6.8	1232.3	0	245.5	6.8	7.27592	0.05502	49.1317	0.37151	7.2868	49.2043	20.702	0.15654	140.185	140.18500	1.06000	1.4
G COUL 2	230	G COULEE	17	27	1.05	58259.5	0	23208.9	17.7	60488.7	65733.7	24097	19.1	61446.2	61446.2	24478.4	20.3	20.3	50186.8	0	19993	17.7	0.13559	0.00026	2.39574	0.00453	0.13619	2.42131	0.06398	0.00012	2.00006	2.00006	0.00378	65.7
G COULEE	115	G COULEE	17	27	1.05	15925.0	0	3172.0	17.8	15813.3	14789.6	3149.8	20.1	15329.3	15329.3	3053.4	23.5	23.5	13784.0	0	2745.6	17.8	0.24596	0.00186	4.39023	0.03320	0.24632	4.39498	0.08947	0.00068	4.90643	4.90643	0.03710	15.9
G COULEE	525	G COULEE	17	27	1.03	40780.2	0	37082.5	28.1	41397.6	41651.7	37643.9	27.4	41905.2	41905.2	38105.5	26.8	26.8	35908.0	0	32652.1	28	0.27191	0.00010	7.63648	0.00277	0.26365	7.38495	0.29708	0.00011	7.27152	7.27152	0.00264	41.9
G COULEE 2	115	T 2/7	17	3	1.06	12286.0	0	2447.2	9.8	11432.1	8336.1	2277.1	9.9	9928.7	9928.7	1977.7	10	10	10635.6	0	2118.5	9.8	0.5773	0.00437	5.67323	0.04290	0.57764	5.67786	0.96178	0.00727	9.71207	9.71207	0.07344	12.3
GARDINER	13.8	GARD	6	3	1.08	9946.1	0	237.7	11.9	10484.1	11591.2	250.6	12.8	10704.5	10704.5	255.9	13.5	N/A	8612.0	0	205.8	11.9	0.07269	0.03817	0.86543	0.45444	0.07275	0.86574	0.03323	0.00000	0.68307	0.00000	0.00000	11.6
GARDINER	115	GARD	6	3	1.08	5941.9	0	1183.5	4.3	5853.6	5039.7	1165.9	4.6	5451.0	5451	1085.8	5	5	5141.2	0	1024.1	4.3	2.73812	0.02070	11.7975	0.08921	2.74258	11.819	2.28404	0.01727	15.2204	15.22040	0.11509	5.9
GARIBLDI	24.9	GARIBLDI	3	1	1.08	3683.9	0	158.9	17.2	3816.3	4065.2	164.6	18.9	3865.4	3865.4	166.7	20.4	20.4	3190.4	0	137.6	17.2	0.2463	0.03973	4.22497	0.68144	0.2464	4.22497	0.09895	0.01596	3.63605	3.63605	0.58645	4.1
GARIBLDI	115	GARIBLDI	3	1	1.08	5560.9	0	1107.6	4.0	5057.6	2581.2	1007.4	4.1	3527.1	3527.1	702.5	4.8	4.8	4815.8	0	959.2	4	3.14294	0.02377	12.5614	0.09498	3.14505	12.5614	6.2171	0.04701	34.8326	34.83260	0.26338	5.6
GARISN1E	525	GARR	14	3	1.05	13145.0	0	11953.1	1.5	12808.7	5763.2	11647.3	1.5	9461.6	9462.2	8603.7	1.7	1.7	11876.9	0	10799.9	1.3	3.45103	0.00125	-11.244	-0.00408	3.45211	-11.208	8.87472	0.00322	36.8889	36.88890	0.01338	13.1
GARISN1W	525	GARR	14	3	1.08	12805.8	0	11644.7	2.4	12126.5	5925.8	11026.9	2.3	9004.2	9004.8	8187.8	2.4	2.4	11554.5	0	10506.8	2.2	2.98134	0.00108	4.95525	0.00180	2.97797	4.62316	9.0556	0.00329	45.6962	45.69620	0.01658	12.8
GARISN2E	525	GARR	14	3	1.05	13144.9	0	11953.0	1.5	12808.8	5763.7	11647.3	1.5	9462.5	9463	8604.5	1.6	1.6	11876.9	0	10799.9	1.3	3.45173	0.00125	-11.244	-0.00408	3.45281	-11.208	8.86876	0.00322	36.884	36.88400	0.01338	13.1
GARISN2W	525	GARR	14	3	1.08	12809.5	0	11648.0	2.4	12130.2	5924.3	11030.3	2.3	9005.0	9005.6	8188.5	2.4	2.4	11557.9	0	10509.9	2.1	2.98144	0.00108	4.92297	0.00179	2.97809	4.59146	9.0548	0.00329	45.7251	45.72510	0.01659	12.8
GARRISON	230	GARR	14	3	1.13	17431.9	0	6944.4	12.9	16261.6	11117.4	6478.2	12	13595.8	13595.8	5416.2	10.4	10.4	15116.4	0	6021.9	12.9	0.66422	0.00126	8.56077	0.01618	0.6636	8.53813	1.84767	0.00349	15.7757	15.77570	0.02982	17.4
GARRISON BK1	34.5	Bk1 tert	14	3	1.07	13834.0	0	826.7	25.1	11983.0	0.0	716.1	25.1	0.0	0	0	4684.4	N/A	11983.0	0	716.1	25.1	0.06128	0.00515	1.53804	0.12922	0.06126	1.53744	0	0.00000	-5.00E+07	0.00000	0.00000	13.8
GARRISON W	525	GARR	14	3	1.07	11241.1	0	10221.8	13.0	10211.6	5369.0	9285.7	12.3	7289.6	7289.6	6628.6	9.9	9.9	9764.0	0	8878.6	13	2.1967	0.00080	28.649	0.01039	2.1927	28.4788	8.92629	0.00324	75.1291	75.12910	0.02726	11.2
GC 1195 SWYD	11.95	G COULEE	2	27	1.01	7918.7	0	163.9	21.3	7923.1	6451.8	164	13.7	7123.3	7123.3	147.4	8.8	8.8	6857.8	0	141.9	21.3	0.04146	0.02903	0.88313	0.61843	0.04146	0.88313	0.25127	0.17596	1.16321	1.16321	0.81456	7.9
GC KX17A	300	KX17A hi	17	3	1.04	11996.1	0	6233.4	27.9	12019.4	12003.1	6245.4	29	11984.0	11984	6227.1	30.3	30.3	10375.4	0	5391.2	27.9	0.53642	0.00060	14.952	0.01661	0.53781	14.9911	0.40962	0.00046	14.9627	14.96270	0.01663	12.0
GESL MON	12.5	GEMO	6	1	1.06	5661.8	0	122.6	17.8	5899.6	6454.6	127.7	18.8	6032.0	6032	130.6	19.6	19.6	4903.0	0	106.2	17.8	0.07616	0.04874	1.35521	0.86733	0.07618	1.35538	0.04241	0.02714	1.10658	1.10658	0.70821	6.5
GESL MON	115	T 46/5-6	6	3	1.07	3323.3	0	661.9	7.4	3034.0	1861.9	604.3	7.5	2385.9	2385.9	475.2	7.8	7.8	2877.1	0	573.1	7.4	2.86495	0.02166	21.1187	0.15969	2.86662	21.1327	5.60557	0.04239	46.0802	46.08020	0.34843	3.3
GIFFORD115	115	GIFFORD1	445	2	1.05	2261.2	0	450.4	1.2	2181.8	1102.4	434.6	1.3	1496.5	1496.5	298.1	1.9	1.9	1958.7	0	390.2	1.2	19.4936	0.14740	23.7534	0.17961	19.4927	23.7347	26.7383	0.20218	75.3217	75.32170	0.56954	2.3
GLADE	13.8	GLAD	20	3	0.98	9528.2	0	227.7	13.4	9668.8	9939.6	231.1	14.6	9668.2	9668.2	231.1	15.9	N/A	8199.3	0	196	14	0.06132	0.03220	0.82098	0.43110	0.05668	0.83188	0.03449	0.00000	0.77641	0.00000	0.00000	9.9
GLADE	115	GLAD	20	3	1.03	11529.6	0	2296.5	6.6	10330.6	5325.3	2057.7	6.6	7276.1	7276.1	1449.3	6.7	6.7	9971.9	0	1986.3	6.6	0.88804	0.00671	5.85254	0.04425	0.88729	5.86828	2.37953	0.01799	16.1107	16.11070	0.12182	11.5
GLASCOW	115	GLASCOW	6	1	1.09	3678.1	0	732.6	3.2	3413.4	2064.3	679.9	3.4	2644.7	2644.7	526.8	3.8	3.8	3183.9	0	634.2	3.2	5.8139	0.04396	18.8296	0.14238	5.81617	18.8463	9.171	0.06935	41.8696	41.86960	0.31659	3.7
GLASCOW TAP	115	T 20/1	6	3	1.09	4323.2	0	861.1	3.4	4035.3	2614.5	803.8	3.5	3258.1	3258.1	649	3.9	3.9	3742.2	0	745.4	3.4	4.78625	0.03619	16.0681	0.12150	4.78852	16.0848	7.14065	0.05399	32.4607	32.46070	0.24545	4.3
GOLD BEACH 1	12.5	GOBE	6	1	1.07	5802.4	0	125.6	29.3	6133.0	6827.4	132.8	35.3	6273.2	6273.2	135.8	40.6	40.6	5024.7	0	108.8	29.3	0.04528	0.02898	1.3258	0.84851	0.0453	1.32596	0	0.00000	1.02812	1.02812	0.65800	6.8
GOLD BEACH 1	115	GOBE	6	3	1.07	2778.7	0	553.5	6.6	2523.9	1456.6	502.7	6.7	1910.8	1910.8	380.6	7	7	2405.8	0	479.2	6.6	3.83278	0.02898	25.1949	0.19051	3.83445	25.209	7.99071	0.06042	59.6633	59.66330	0.45116	2.8
GOLD BEACH 2	115	GOBE	6	3	1.07	2769.2	0	551.6	6.1	2519.2	1453.7	501.8	6.2	1906.1	1906.1	379.7	6.7	6.7	2397.6	0	477.6	6.1	4.12388	0.03118	25.2371	0.19083	4.12555	25.2511	8.28727	0.06266	59.7316	59.73160	0.45166	2.8
GOLDEND	69	GOLD	22	3	1.10	1617.6	0	193.3	21.7	1473.5	814.1	176.1	19.4	1083.3	1083.3	129.5	14	14	1400.9	0	167.4	21.7	1.24651	0.02618	27.0623	0.56842	1.24659	27.0623	6.13069	0.12877	66.9315	66.93150	1.40583	1.6
GOLDEND	115	GOLD	22	3	1.05	2134.6	0	425.2	26.9	2703.2	3917.4	538.4	25	2763.4	2763.4	550.4	25.2	25.2	1848.6	0	368.2	26.9	1.21329	0.00917	32.6805	0.24711	1.21349	32.6805	0.58154	0.00440	10.3638	10.36380	0.07837	3.9
GOODNOE HILL	230		76	9	1.06	23231.8	0	9254.9	24.7	23687.5	23794.1	9436.4	20.8	23545.5	23545.5	9379.9	18.1	18.1	20147.8	0	8026.3	24.5	0.24414	0.00046	6.0315	0.01140	0.2471	6.01427	0.49637	0.00094	5.79494	5.79494	0.01095	23.8
GOOSELK-NVEC	13.8		17	1	1.06	2203.9	0	52.7	12.3	2227.3	2275.5	53.2	12.5	2239.2	2239.2	53.5	12.7	12.7	1908.7	0	45.6	12.3	0.30936	0.16244	3.80362	1.99728	0.30936	3.80366	0.26498	0.13914	3.62647	3.62647	1.90426	2.3
GOOSELK-NVEC	115	T 21/9.1	17	3	1.06	5526.6	0	1100.8	4.0	5012.5	2504.9	998.4	4.1	3448.0	3448	686.8	4.7	4.7	4785.6	0	953.2	4	3.08175	0.02330	12.3019	0.09302	3.08175	12.305	6.42068	0.04855	35.0625	35.06250	0.26512	5.5
GORDON HOLOW	69	T 1/3	22	3	1.06	1320.2	0	157.8	11.7	1383.5	1502.4	165.3	12.7	1405.6	1405.6	168	13.5	13.5	1143.4	0	136.6	11.7	2.72582	0.05725	31.8877	0.66977	2.7258	31.8846	1.19049	0.02501	26.1623	26.16230	0.54951	1.5
GORMLEY	115		3	1	1.09	8653.4	0	1723.6	4.1	7862.3	3980.2	1566.1	4.2	5453.9	5453.9	1086.3	4.9	4.9	7493.4	0	1492.6	4.1	1.99397	0.01508	8.15543	0.06167	1.99561	8.15666	3.9807	0.03010	22.8476	22.84760	0.17276	8.7
GOSHEN	161		72	9	1.04	20246.2	0	5645.9	8.7	21813.9	26132.6	6083	8.5	22625.0	22625	6309.2	8.2	8.2	17386.9	0	4848.5	8.3	0.54383	0.00210	4.75702	0.01835	0.61418	4.83019	0.39576	0.00153	3.17234	3.17234	0.01224	26.1
GOSHEN	345		77	9	1.04	10871.1	0	6496.1	9.1	10552.8	9616.5	6305.9	8.9	10153.8	10153.8	6067.5	8.7	8.7	9367.1	0	5597.4	8.7	2.08643	0.00175	19.017	0.01598	2.28039	19.1907	2.62771	0.00221	22.8402	22.84020	0.01919	10.9
GOSHEN BK1	13.2	Bk1 tert	24	3	1.05	7785.1	0	178.0	14.2	6741.3	0.0	154.1	14.2	0.0	0	0	1769.8	N/A	6741.3	0	154.1	14.2	0.0717	0.04115	1.02097	0.58596	0.07216	1.02117	0	0.00000	-5.00E+07	0.00000	0.00000	7.8
GOSHEN BK2	13.2	Bk2 tert	24	3	1.05	7782.1	0	177.9	14.2	6738.7	0.0	154.1	14.2	0.0	0	0	1771.4	N/A	6738.7	0	154.1	14.2	0.0717	0.04115	1.02137	0.58619	0.07215	1.02157	0	0.00000	-5.00E+07	0.00000	0.00000	7.8
GOSHEN BPA	115	GOSH	24	3	1.05	10280.4	0	2047.7	12.5	10682.6	11799.0	2127.8	12.2	10972.4	10972.4	2185.5	11.9	11.9	8890.8	0	1770.9	12.1	0.53779	0.00407	6.72934	0.05088	0.57133	6.74525	0.47576	0.00360	5.43425	5.43425	0.04109	11.8
GOSHEN BPA	161	GOSH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GOSHEN PP&L	115	GOSH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Grand Ronde	115	Grnd	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GRANT TAP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GRANDVIEW	115	GRAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GRANDVIEW 1	12.5	GRAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GRANDVIEW 2	12.5	GRAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

GRAYS RV	12.5	GRAR	5	1	1.07	1867.9	0	40.4	12.8	1896.3	1953.6	41.1	13.2	1909.8	1909.8	41.3	13.5	13.5	1617.7	0	35	12.8	0.32093	0.20540	4.11846	2.63581	0.32099	4.11847	0.25295	0.16189	3.85108	3.85108	2.46469	2.0
GRAYS RV	115	T 27/4	5	3	1.07	3485.3	0	694.2	3.4	3181.0	1630.5	633.6	3.5	2222.7	2222.7	442.7	4.1	4.1	3018.2	0	601.2	3.4	5.75384	0.04351	19.5388	0.14774	5.75848	19.5402	11.1517	0.08432	54.0185	54.01850	0.40846	3.5
GREEN BLUFF	13.8	GRBF	16	1	1.08	4159.0	0	99.4	11.7	4246.2	4406.1	101.5	12.2	4279.0	4279	102.3	12.7	12.7	3601.7	0	86.1	11.7	0.17505	0.09192	2.05222	1.07762	0.17506	2.05232	0.12299	0.06458	1.88261	1.88261	0.98856	4.4
GREEN BLUFF	115	GRBF	16	3	1.08	5793.8	0	1154.0	3.3	5261.8	2450.6	1048.1	3.4	3446.0	3446	686.4	4.1	4.1	5016.3	0	999.2	3.3	3.61571	0.02734	11.7784	0.08906	3.61616	11.7848	7.50127	0.05672	36.8119	36.81190	0.27835	5.8
GREEN PTR	115	GRPT	4	3	1.06	4881.1	0	972.2	5.9	5352.2	5824.4	1066.1	6.8	5408.6	5408.6	1077.3	7.7	7.7	4301.0	0	856.7	6	2.40262	0.01817	14.1706	0.10715	2.23926	13.6975	0.37801	0.00286	10.7202	10.72020	0.08106	5.8
GREEN VLY	69	GRNV	4	3	1.07	2136.3	0	255.3	23.2	2100.5	1960.5	251	22.3	2044.4	2044.4	244.3	21.2	21.2	1849.9	0	221.1	23.2	0.85444	0.01795	19.8411	0.41674	0.85502	19.8456	1.22836	0.02580	22.5006	22.50060	0.47260	2.1
GREEN VLY	230	T 47/4-5	4	3	1.06	4706.4	0	1874.9	6.7	4316.6	2833.9	1719.6	6.8	3534.7	3534.7	1408.1	6.8	6.8	4072.4	0	1622.3	6.7	4.41171	0.00834	29.7181	0.05618	4.41811	29.7681	8.56421	0.01619	59.2542	59.25420	0.11201	4.7
GREENTIMBER	115		24	35	1.05	2511.0	0	500.2	4.0	2566.9	2490.3	511.3	4.3	2496.5	2496.5	497.3	4.6	4.6	2170.1	0	432.3	4	6.69488	0.05062	26.9432	0.20373	6.78611	27.0383	4.40045	0.03327	27.8577	27.85770	0.21064	2.6
GRIZZLY N	525	GRIZ	21	3	1.03	30103.3	0	27373.7	12.4	26681.1	9862.1	24261.8	11.5	14795.7	14795.7	13454.1	8.2	8.2	25955.9	0	23602.4	12.2	0.83571	0.00030	10.3278	0.00375	0.86218	10.4172	5.94476	0.00216	42.0364	42.03640	0.01525	30.1
GRNBERRY	115		4	1	1.10	2273.8	0	452.9	3.2	2065.9	924.9	411.5	3.3	1315.8	1315.8	262.1	4.1	4.1	1968.6	0	392.1	3.2	9.7328	0.07359	30.6586	0.23182	9.73377	30.6801	19.754	0.14937	100.737	100.73700	0.76172	2.3
GRNDV SS-PPL	115		70	9	1.05	5444.5	0	1084.5	4.2	5005.0	2969.2	996.9	4.3	3843.1	3843.1	765.5	4.8	4.8	4714.5	0	939.1	4.2	2.96898	0.02245	12.5131	0.09462	2.96916	12.5165	5.15254	0.03896	28.4918	28.49180	0.21544	5.4
GUM ST	115	T 6/10	20	3	1.03	10443.8	0	2080.2	8.8	9436.8	5161.6	1879.7	8.6	6904.5	6904.5	1375.3	8.1	8.1	9038.8	0	1800.4	8.8	0.73795	0.00558	6.4885	0.04906	0.73837	6.49684	2.15539	0.01630	16.4246	16.42460	0.12419	10.4
GUTHRIE	69	GUTHRIE	45	9	1.06	1514.9	0	181.0	4.1	1421.3	997.3	169.9	4.2	1203.0	1203	143.8	4.5	4.5	1312.0	0	156.8	4.1	6.64011	0.13947	27.0572	0.56831	6.64022	27.056	9.42956	0.19806	48.6582	48.65820	1.02202	1.5
H2F2 TAP	115	TW 6/1	20	3	1.04	14571.2	0	2902.4	10.5	13243.7	7578.4	2638	10.1	9941.8	9941.8	1980.3	8.8	8.8	12581.1	0	2506	10.5	0.4477	0.00339	4.70559	0.03558	0.45044	4.73399	1.43958	0.01089	11.2122	11.21220	0.08478	14.6
HAAKENSO	115	HAAKENSO	40	467	1.07	17349.2	0	3455.7	7.4	15814.3	10415.8	3150	7.3	12910.9	12910.9	2571.7	7.2	7.2	14902.1	0	2968.3	7.3	0.55151	0.00417	4.05976	0.03070	0.57286	4.12497	1.14638	0.00867	8.17484	8.17484	0.06181	17.3
HAGEN TAP 1	115	T 17/8	5	3	1.07	2046.1	0	407.6	2.8	1874.1	901.3	373.3	2.9	1252.8	1252.8	249.5	3.6	3.6	1771.8	0	352.9	2.8	11.6513	0.08810	32.6791	0.24710	11.6561	32.6829	21.8132	0.16494	98.5297	98.52970	0.74503	2.0
HAGEN TAP 2	115	Bv 14/2	5	3	1.07	2224.9	0	443.2	3.1	2030.2	981.4	404.4	3.2	1363.1	1363.1	271.5	3.9	3.9	1926.7	0	383.8	3.1	9.82515	0.07429	30.352	0.22950	9.82998	30.3557	19.1752	0.14499	90.6121	90.61210	0.68516	2.2
HALSEY MILL	115		4	1	1.07	4012.3	0	799.2	4.6	3617.6	1763.3	720.6	4.7	2451.0	2451	488.2	5.3	5.3	3475.8	0	692.3	4.6	3.7486	0.02834	17.3821	0.13143	3.74982	17.3712	8.69192	0.06572	51.0586	51.05860	0.38608	4.0
HALSY TAP N	115	T 18/3	4	3	1.07	4049.0	0	806.5	4.6	3651.3	1783.2	727.3	4.7	2477.1	2477.1	493.4	5.3	5.3	3507.6	0	698.7	4.6	3.71951	0.02812	17.2233	0.13023	3.72073	17.2125	8.60064	0.06503	50.4674	50.46740	0.38161	4.0
HALSY TAP S	115	T 18/4	4	3	1.07	4048.7	0	806.4	4.6	3651.1	1783.2	727.2	4.7	2477.0	2477	493.4	5.3	5.3	3507.3	0	698.6	4.6	3.71951	0.02812	17.2247	0.13024	3.72073	17.2138	8.60064	0.06503	50.4687	50.46870	0.38162	4.0
HAMPTON	24.9	HAMP	21	3	1.07	747.6	0	32.2	9.8	761.1	783.8	32.8	10.1	765.3	765.3	33	10.4	10.4	647.4	0	27.9	9.8	2.10294	0.33918	20.5148	3.30879	2.10311	20.5159	1.58251	0.25524	19.1309	19.13090	3.08558	0.8
HAMPTON	115	T 46/2.1	21	3	1.07	1870.3	0	372.5	3.3	1723.0	946.4	343.2	3.4	1257.3	1257.3	250.4	4	4	1619.2	0	322.5	3.3	11.1	0.08393	36.4177	0.27537	11.1036	36.4411	18.5968	0.14062	92.0672	92.06720	0.69616	1.9
HANAFORD	525	TRANSALT	10	36	1.02	21464.3	0	19518.0	22.3	21370.4	20655.5	19432.7	20.4	21017.5	21017.5	19111.8	18.7	18.7	18557.5	0	16874.9	21.7	0.64858	0.00024	14.4532	0.00524	0.68273	14.5001	1.03219	0.00037	15.3095	15.30950	0.00555	21.5
HANAFORD TAP	525		10	36	1.02	21546.3	0	19592.6	22.2	21476.0	20860.4	19528.7	20.4	21162.7	21162.7	19243.8	18.8	18.8	18628.3	0	16939.2	21.7	0.64858	0.00024	14.398	0.00522	0.68273	14.445	1.00463	0.00036	15.1165	15.11650	0.00548	21.5
HANFORD N	525	HANF	25	3	1.02	36854.0	0	33512.3	22.7	33794.8	19283.7	30730.5	18.5	25196.5	25196.5	22911.9	11.5	11.5	31746.3	0	28867.8	22.5	0.36909	0.00013	8.38999	0.00304	0.38154	8.47957	2.45203	0.00089	19.8418	19.84180	0.00720	36.9
HANGMAN	115	Inland	16	1	1.06	7312.0	0	1456.5	3.7	6617.8	3133.2	1318.2	3.8	4383.1	4383.1	873.1	4.5	4.5	6324.2	0	1259.7	3.7	2.49995	0.01890	9.25686	0.07000	2.50563	9.28096	5.31101	0.04016	28.3276	28.32760	0.21420	7.3
HANGMAN TAP	115	HANGMANT	447	2	1.06	9915.2	0	1975.0	4.0	8969.8	4398.3	1786.7	4.1	6084.9	6084.9	1212	4.7	4.7	8571.8	0	1707.4	4	1.72892	0.01307	6.85649	0.05184	1.73459	6.88059	3.68153	0.02784	20.0827	20.08270	0.15185	9.9
HANNA-DOGW	115		17	15	1.07	24574.4	0	4894.9	11.9	24612.8	20482.9	4902.5	9.2	22317.0	22317	4445.2	6.8	6.8	21222.6	0	4227.2	11.9	0.24167	0.00183	2.88253	0.02180	0.24293	2.89869	0.90801	0.00687	3.67248	3.67248	0.02777	24.6
HAPPY VL	115	HAPY	11	3	1.07	3359.0	0	669.1	14.0	3322.7	3168.1	661.8	14.4	3258.7	3258.7	649.1	14.9	14.9	2907.1	0	579.1	14	1.50328	0.01137	21.0981	0.15953	1.5093	21.1247	1.36503	0.01032	23.0383	23.03830	0.17420	3.4
HAPPY VL	230	HAPY	11	3	1.07	4063.3	0	1618.7	7.6	4077.2	4037.4	1624.2	7.8	4044.1	4044.1	1611.1	8	8	3513.5	0	1399.7	7.6	4.56616	0.00863	34.6637	0.06553	4.59022	34.7704	3.9208	0.00741	35.1393	35.13930	0.06643	4.1
HARBOR	115	CCEC	6	1	1.07	1347.9	0	268.5	2.9	1239.4	623.0	246.9	3	853.0	853	169.9	3.7	3.7	1167.1	0	232.5	2.9	17.2344	0.13032	49.6406	0.37535	17.236	49.6546	29.9504	0.22647	141.314	141.31400	1.06854	1.3
HARISBRG	12.5	HARB	4	3	1.15	3485.9	0	75.5	11.9	3552.3	3703.3	76.9	12.1	3591.1	3591.1	77.8	12.4	12.4	3018.7	0	65.4	11.9	0.20011	0.12807	2.3758	1.52051	0.20012	2.37608	0.15928	0.10194	2.16864	2.16864	1.38793	3.7
HARISBRG	115	HARB	4	3	1.10	4473.1	0	891.0	5.1	4016.1	1906.5	800	5.2	2672.1	2672.1	532.2	5.7	5.7	3871.2	0	771.1	5.1	3.16162	0.02391	16.0424	0.12130	3.16259	16.064	7.76703	0.05873	48.7905	48.79050	0.36893	4.5
HARISBRG-TAP	115	23/10-11	4	3	1.10	4481.8	0	892.7	5.1	4023.9	1910.7	801.5	5.2	2677.7	2677.7	533.4	5.7	5.7	3878.8	0	772.6	5.1	3.15104	0.02383	16.012	0.12107	3.15201	16.0336	7.74585	0.05857	48.6833	48.68330	0.36812	4.5
HARNEY	115	HARN	21	3	1.09	1406.6	0	280.2	3.4	1518.4	1717.5	302.4	3.5	1546.7	1546.7	308.1	3.6	3.6	1218.0	0	242.6	3.4	14.4853	0.10953	49.1495	0.37164	14.4893	49.1618	8.10308	0.06127	36.4803	36.48030	0.27584	1.7
HARVALUM	230	HRVL	22	3	1.06	11786.9	0	4695.6	14.4	11171.1	8387.7	4450.2	13.1	9802.4	9802.4	3905	11.1	11.1	10207.7	0	4066.5	14.3	0.82906	0.00157	11.9011	0.02250	0.83014	11.901	2.21452	0.00419	19.0586	19.05860	0.03603	11.8
HARVEST WND	230		22	1	1.05	7700.6	0	3067.7	12.1	7319.5	6006.4	2915.9	12.1	6748.4	6748.4	2688.4	12	12	6668.6	0	2656.6	12.1	1.48646	0.00281	18.0407	0.03410	1.48586	18.0428	2.18801	0.00414	25.6692	25.66920	0.04852	7.7
HARVEY1	115		22	1	1.07	17946.8	0	3574.8	11.8	17116.3	13335.7	3409.3	10.9	15317.6	15317.6	3051.1	9.7	9.7	15556.9	0	3098.7	11.8	0.33605	0.00254	3.95394	0.02990	0.33595	3.94651	0.76409	0.00578	5.97337	5.97337	0.04517	17.9
HARVEY2	115		22	1	1.07	17946.8	0	3574.8	11.8	17116.3	13335.7	3409.3	10.9	15317.6	15317.6	3051.1	9.7	9.7	15556.9	0	3098.7	11.8	0.33605	0.00254	3.95394	0.02990	0.33595	3.94651	0.76409	0.00578	5.97337	5.97337	0.04517	17.9
HASKILL TAP	230	T 47/4	15	3	1.04	4760.5	0	1896.5	11.4	4452.1	3019.3	1773.6	10.6	3701.7	3701.7	1474.6	8.9	8.9	4129.3	0	1645	11.4	2.54483	0.00481	29.0027	0.05483	2.5306	28.9107	7.48247	0.01414	53.7095	53.70950	0.10153	4.8
HAT ROCK	115	HTRK	23	3	1.03	7599.3	0	1513.7	23.2	7766.7	7998.8	1547	20.1	7777.6	7777.6	1549.2	18	18	6566.9	0	1308	22.4	0.38994	0.00295	9.03158	0.06829	0.41667	9.06971	0.66337	0.00502	8.35626	8.35626	0.06319	8.0
HAT ROCK	230	HTRK	23	3	1.03	13662.9	0	5442.9	10.5	12602.8	8429.4	5020.6	9.6	10344.4	10344.4	4120.9	8.4	8.4	11737.8	0	4676	10	0.95101	0.00180	10.0099	0.01892	1.0579	10.1624	2.72612	0.00515	19.3872	19.38720	0.03665	13.7
HAT ROCK BK1	13.8	Bk1 tert	23	3	1.03	12026.8	0	287.5	35.7	10411.2	0.0	248.9	35.4	0.0	0	0	2959	N/A	10411.2	0	248.9	35.4	0.01919	0.01008	0.68519	0.35979	0.01958	0.68574	0	0.00000	-5.00E+07	0.00000	0.00000	12.0
HATTON	24.9		20	1	1.04	4006.3	0	172.8	5.3	4651.8	5676.0	200.6	6.2	4699.1	4699.1	202.7	6.5	6.5	3468.4	0	149.6	5.3	0.6888	0.11109	3.65437	0.58941	0.68926	3.65681	0.07775	0.01254	2.08801	2.08801	0.33677	5.7
HATTON	115	HATTON	20	1	1.04	1918.6	0	382.2	2.6	1755.8	778.5	349.7	2.7	1108.9	1108.9	220.9	3.5	3.5	1660.4	0	330.7	2.6	13.0338	0.09855	33.411	0.25264	13.0437	33.4631	24.573	0.18581	112.252	112.25200	0.84879	1.9
HATTON TAP	115	T 5/5	20	3	1.04	3015.3	0	600.6	2.9	2747.0	1244.8	547.2	3	1762.3	1762.3	351	3.9	3.9	2608.3	0	519.5	2.9	7.42368	0.05613	21.5772	0.16315	7.4336	21.6293	14.5655	0.11014	70.1635	70.16350	0.53054	3.0
HATWAI	230	HTWA	18	2	1.06	20872.8	0	8315.1	14.4	21123.3	21891.4	8414.9	14	21238.6	21238.6	8460.9	13.7	13.7	17965.0	0	7156.7	14.3	0.46763	0.00088	6.74008	0.01274	0.48151	6.82314	0.50047	0.00095	6.30374	6.30374	0.01192	21.9
HATWAI	525	HTWA	18	3	1.02	15575.7	0	14163.4	16.4	14561.8	10958.1	13241.5	15.2	12720.3	12720.3	11566.9	13.4	13.4	13335.5	0	12126.3	16.2	1.20735	0.00044	19.8129	0.00719	1.26059	20.2673	2.97752	0.00108	32.6323	32.63230	0.01184	15.6
HATWAI BK1	34.5	Bk1 tert	18	3	1.01	34312.3	0	2050.4	35.2	29672.3	0.0	1773.1	35	0.0	0	0	2510.9	N/A	29672.3	0	1773.1	35	0.01665	0.00140	0.58638	0.04927	0.01695	0.58807	0	0.00000	-5.00E+07	0.00000	0.00000	34.3
HAUS-CLPUD	12.47		6	1	1.09	8721.9	0	188.4	10.6	9200.1	9951.4	198.7	12	9296.8	9296.8	200.8	13.1	N/A	7552.5	0	163.1	10.6	0.08429	0.05421	0.89559	0.57594	0.08432	0.8958	0.02415	0.00000	0.73305	0.00000	0.00000	10.0
HAUS-CLPUD	115		6	1	1.09	4144.7	0	825.6	3.3	3846.9	2403.6	766.3	3.4	3042.3	3042.3	606	3.7	3.7	3587.6	0	714.6	3.3	5.11467	0.03867	16.6911	0.12621	5.11734	16.7086	8.24273	0.06233	35.5162	35.51620	0.26855	4.1
HAUSER TAP	115	T 14/3-4	6	3	1.09	4403.2	0	877.1	3.3	4105.6	2604.3	817.8	3.4	3272.6	3272.6	651.9	3.8	3.8	3811.2	0	759.1	3.3	4.77609	0.03611	15.723	0.11889	4.77876	15.7405	7.15948	0.05414	32.7229	32.72290	0.24743	4.4
HAWKINS	12.47		4	20	1.10	9813.0	0	211.9	89.5	9956.6	10255.6	215.1	107.6	10027.8	10027.8	216.6	131.3	N/A	8496.9	0	183.5	89.5	0.00901	0.00579	0.80617	0.51843	0.00902	0.80645	0	0.00000	0.75418	0.00000	0.00000	10.3
HAWKINS	115	HAWKINS	4	20	1.10	16258.9	0	3238.5	5.8	14645.7	8141.8	2917.2	5.8	10821.9	10821.9	2155.6	5.9	5.9	14043.7	0	2797.3	5.8	0.76591	0.00579	4.42157	0.03343	0.76711	4.4453	1.84836	0.01398	11.0742	11.07420	0.08374	16.3
HAY MILL	12.5	HAYM	24	1	1.06	12007.8	0	260.0	19.1	12289.1	12936.7	266.1	19.8	12453.2	12453.2	269.6	20.5	N/A	10397.5	0	225.1	19	0.03348	0.02143	0.63816	0.40842	0.03357	0.63834	0.02294	0.00000	0.56984	0.00000	0.00000	12.9
HAY MILL	138	5/10-6/1	24	3	1.06	10054.8	0	2403.3	6.5	9283.8	6136.7	2219	6.3	7611.6	7611.6	1819.4	5.9	5.9	8695.7	0	2078.5	6.5	1.28484	0.00675	8.32673	0.04372	1.29648	8.3485	2.96254	0.01556	16.2503	16.25030	0.08533	10.1
HAYFORD115	115	HAYFORD1	447	2	1.05	9539.4	0	1900.1	5.5	8564.9	4208.2	1706	5.6	5830.3	5830.3	1161.3	6.1	6.1	8246.9	0	1642.7	5.5	1.31095	0.00991	7.22356	0.05462	1.31642	7.24867	3.18324	0.02407	21.0925	21.09250	0.15949	9.5
HAZELDELL	115		2	19	1.07	28425.5	0	5662.0	8.1	26493.8	18801.1	5277.2	7.8	22624.1	22624.1	4506.4	7.4	7.4	24607.0	0	4901.4	8	0.30524	0.00231	2.48096	0.01876	0.31372	2.482	0.65069	0.00492	4.37304	4.37304	0.03307	28.4
HAZELWOD	12.5	HAZELWOD	3	9	1.07	8187.2	0	177.3	30.6	9112.1	11322.0	197.3	33.4	9503.5	9503.5	205.8	34.4	N/A	7090.8	0	153.5	30.6	0.03098	0.01983	0.94677	0.60593	0.03099	0.94664	0.00909	0.00000	0.55378	0.00000	0.00000	11.3
HAZELWOD	20.8	HAZELWOD	3	9	1.07	2851.4	0	102.7	21.1	3030.3	3463.3	109.2	22.5	3127.9	3127.9	112.7	23.3	23.3	2469.5	0	89	21.1	0.21418	0.04951	4.52079	1.04493	0.21422	4.52043	0.10151	0.02346	3.32503	3.32503	0.76854	3.5
HAZELWOD	69		71	9	1.10	6636.6	0	793.2	13.9	7105.4	8358.7	849.2	13.9	7392.4	7392.4	883.5	13.8	13.8	5742.5	0	686.3	13.8	0.47195	0.00991	6.58237	0.13826	0.48022	6.59323	0.33459	0.00703	4.55153	4.55153	0.09560	8.4
HAZELWOD	115		71	9	1.07	16891.2	0	3364.5	7.7	16547.8	14978.9	3296.1	7.9	15898.0	15898	3166.7	8.2	8.2	14646.5	0	2917.4	7.7	0.54436	0.00412	4.18823	0.03167	0.54562	4.17744	0.54184	0.00410	4.99699	4.99699	0.03778	16.9
HEBO	20.8	HEBO	3	1	1.08	4130.7	0	148.8	9.9	4324.9	4636.4	155.8	10.9	4369.5	4369.5	157.4	11.7	11.7	3577.3	0	128.9	9.9	0.31568	0.07297	3.13362	0.72430	0.31573	3.13364	0.12906	0.02983	2.63235	2.63235	0.60844	4.6
HEBO	115	HEBO	3	3	1.08	4399.2	0	876.3	2.7	4079.0	2106.5	812.5	2.8	2853.8	2853.8	568.4	3.6	3.6	3809.7	0	758.8	2.7	5.70464	0.04314	15.3227	0.11586	5.70625	15.3234	8.80503	0.06658	42.215	42.21500	0.31921	4.4
HEBO TAP	115	T 15/1-2	3	3	1.08	4408.6	0	878.1	2.7	4087.8	2111.7	814.2	2.8	2860.5	2860.5	569.8	3.6	3.6	3817.8	0	760.5	2.7	5.69009	0.04303	15.291	0.11562	5.6917	15.2917	8.77858	0.06638	42.1092	42.10920	0.31841	4.4
HEDGES	115	HEDGES	20	1	1.03	10534.9	0	2098.4	4.9	9603.3	5547.2	1912.8	5	7263.6	7263.6	1446.8	5.4	5.4	9117.7	0	1816.1	4.9	1.29482	0.00979	6.34302	0.04796	1.29525	6.35136	2.54592	0.01925	15.0019	15.00190	0.11344	10.5
HEGLAR	138		24	1	1.05	2919.7	0	697.9	4.4	2614.3	1240.2	624.9	4.4	1739.4	1739.4	415.7	4.7	4.7	2526.1	0	603.8	4.4	6.41659	0.03369	27.9219	0.14662	6.43067	27.9746	17.3587	0.09115	85.1797	85.17970	0.44728	2.9
HELMVILLE-ME	50		14	30	1.14	1354.2	0	117.3	3.7	1306.4	1125.4	113.1	3.8	1229.1	1229.1	106.4	3.8	3.8	1172.6	0	101.6	3.7	6.31656	0.25266	23.5291	0.94116	6.31817	23.5374	7.7615	0.31046	30.8362	30.83620	1.23345	1.4
HEMINGWAY	230		26	26	1.00	15172.8	0	6044.4	12.9	14711.7	12264.6	5860.7	11.5	13552.9	13552.9	5399.1	9.9	9.9	13126.1	0	5229	12.8	0.67556	0.00128	8.73868	0.01652	0.69456	8.75595	1.58825	0.00300	11.7934	11.79340	0.02229	15.2
HEMINGWAY	525		26	26	1.04	9406.8	0	8553.8	4.8	8817.8	5012.5	8018.2	5.2	6837.0	6837	6217	7.2	7.2	8438.2	0	7673.1	5.2	3.65436	0.00133	30.277	0.01098	3.73536	30.3719	11.7775	0.00427	76.6853	76.68530	0.02782	9.4
HENKLE ST	115	HENK	10	1	1.07	4392.1	0	874.8	4.1	3986.7	2028.4	794.1	4.3	2774.1	2774.1	552.6	4.9	4.9	3801.1	0	757.1	4.1	3.79934	0.02873	15.6833	0.11859	3.81112	15.7035	7.71226	0.05832	43.712	43.71200	0.33053	4.4
HEYBURN	138	HEBN	24	3	1.06	9628.7	0	2301.5	5.2	8902.3	5878.4	2127.9	5.1	7290.3	7290.3	1742.6	4.8	4.8	8327.0	0	1990.3	5.2	1.66256	0.00873	8.63357	0.04533	1.67443	8.65648	3.80656	0.01999	16.8065	16.80650	0.08825	9.6
HIDEAWAY	12.5	HIDE	4	1	1.10	8420.4	0	182.3	24.6	8509.0	8709.7	184.2	25.3	8561.1	8561.1	185.4	26	N/A	7290.9	0	157.9	24.6	0.03825	0.02448	0.94185	0.60278	0.03827	0.94219	0.03045	0.00000	0.89531	0.00000	0.00000	8.7
HIDEAWAY	115	HIDE	4	3	1.10	18284.2	0	3642.0	6.0	17003.7	12558.5	3386.9	6	14836.8	14836.8	2955.3	6	6	15778.0	0	3142.8	6	0.65964	0.00499	3.93891	0.02978	0.66168	3.9676	1.1251	0.00851	6.65466	6.65466	0.05032	18.3
HIDEAWAY TAP	115	T 6/3	4	3	1.10	18716.2	0	3728.0	6.1	17459.1	13096.6	3477.6	6.1	15353.8	15353.8	3058.3	6.1	6.1	16149.4	0	3216.7	6.1	0.63054	0.00477	3.8503	0.02911	0.63258	3.879	1.06294	0.00804	6.34783	6.34783	0.04800	18.7
HIGHLAND	115	T 11/7	20	3	1.03	8478.0	0	1688.7	6.9	7568.0	3657.4	1507.4	6.9	5106.9	5106.9	1017.2	6.8	6.8	7337.3	0	1461.5	6.9	1.15918	0.00877	8.01288	0.06059	1.16042	8.02358	3.53995	0.02677	23.8579	23.85790	0.18040	8.5
HIGHLANDS-GH	115	HIGHLN-G	10	1	1.07	9839.8	0	1960.0	4.5	9518.0	7580.2	1895.9	4.7	8540.7	8540.7	1701.2	5.3	5.3	8495.0	0	1692.1	4.4	1.57719	0.01193	7.02363	0.05311	1.59778	7.06508	1.45828	0.01103	10.3566	10.35660	0.07831	9.8
HILLS CR	6.6	HLSC	4	1	1.05	31651.0	0	361.8	6.8	27104.2	7.7	309.8	6.8	15.2	15.2	0.2	-0.1	N/A	27100.3	0	309.8	6.8	0.01836	0.04215	0.12517	0.28735	0.01911	0.12798	790.831	0.00000	-45.961	0.00000	0.00000	31.7
HILLS CR	115	HLSC	4	3	1.07	2726.1	0	543.0	2.6	2968.7	2912.1	591.3	3	2807.2	2807.3	559.2	3.4	3.4	2344.8	0	467.1	2.6	9.442	0.07140	24.2776	0.18357	9.5904	24.6027	2.54252	0.01923	23.8758	23.87580	0.18054	3.0
HILLTOP	24.9		1	32	1.08	9494.0	0	409.5	27.6	8213.9	0.0	354.3	27.5	0.0	0	0	5466.6	N/A	8213.9	0	354.3	27.5	0.05923	0.00955	1.63662	0.26397	0.05987	1.63984	0	0.00000	-5.00E+07	0.00000	0.00000	9.5
HILLTOP	230	HLTP	26	3	1.08	4046.0	0	1611.8	8.9	4100.4	4130.8	1633.5	9.4	4072.6	4072.6	1622.4	9.9	9.9	3490.5	0	1390.5	8.9	3.96046	0.00749	35.3019	0.06673	4.01874	35.5702	2.68066	0.00507	34.4639	34.46390	0.06515	4.1
HILLTOP	345		1	32	1.04	2566.1	0	1533.4	8.9	2555.7	2409.8	1527.2	9.5	2482.2	2482.2	1483.3	10.2	10.2	2219.2	0	1326.1	8.9	9.02876	0.00759	80.5546	0.06768	9.1557	80.7682	6.38904	0.00537	88.8647	88.86470	0.07466	2.6
HLFMOON-INLD	13.8	HALFMOON	16	1	1.07	6913.4	0	165.2	54.6	7039.8	7342.5	168.3	59.1	7121.2	7121.2	170.2	63.7	63.7	5986.9	0	143.1	54.6	0.02261	0.01187	1.23485	0.64842	0.02262	1.23494	0.01127	0.00592	1.12678	1.12678	0.59167	7.3
HLFMOON-INLD	115	T 9/6	16	3	1.07	9429.3	0	1878.2	9.5	8538.5	4565.1	1700.8	9.2	6149.7	6149.7	1224.9	8	8	8162.5	0	1625.9	9.5	0.78787	0.00596	7.50473	0.05675	0.78846	7.5112	2.70938	0.02049	19.4289	19.42890	0.14691	9.4
HOBACK-LVE	115		24	33	1.06	2911.0	0	579.8	5.4	2725.8	1889.1	542.9	5.3	2310.7	2310.7	460.3	5	5	2542.2	0	506.4	5.4	4.40479	0.03331	23.8151	0.18008	4.38942	23.4063	9.13035	0.06904	42.5362	42.53620	0.32163	2.9
HOLCOMB	115	HOLC	10	3	1.07	4669.4	0	930.1	4.3	4247.6	2266.0	846.1	4.4	3050.7	3050.7	607.7	5	5	4042.2	0	805.2	4.3	3.44004	0.02601	14.7868	0.11181	3.44858	14.7971	6.83845	0.05171	38.7615	38.76150	0.29309	4.7
HOLCOMB TAP	115	T 33/7-8	10	3	1.07	4670.3	0	930.3	4.3	4248.5	2266.6	846.2	4.4	3051.5	3051.5	607.8	5	5	4043.1	0	805.3	4.3	3.43762	0.02599	14.7842	0.11179	3.44616	14.7945	6.83506	0.05168	38.7512	38.75120	0.29301	4.7
HOLMES	115	HOLMES	40	467	1.07	17667.5	0	3519.1	6.2	16164.4	10759.4	3219.7	6.2	13262.9	13262.9	2641.8	6.3	6.3	15172.6	0	3022.2	6.1	0.64539	0.00488	3.97111	0.03003	0.66674	4.03633	1.21643	0.00920	7.8705	7.87050	0.05951	17.7
HOOD RVR	12.5	HORV	22	3	1.07	3043.8	0	65.9	17.0	3074.0	3143.5	66.6	17.3	3092.9	3092.9	67	17.5	17.5	2636.1	0	57.1	17	0.14867	0.09515	2.52863	1.61832	0.14868	2.52859	0.12825	0.08208	2.40911	2.40911	1.54183	3.1
HOOD RVR	115	HORV	22	3	1.07	6911.3	0	1376.6	5.9	6206.2	3222.9	1236.2	5.9	4396.6	4396.6	875.7	6	6	5986.3	0	1192.4	5.9	1.72856	0.01307	10.1166	0.07650	1.72886	10.1132	4.55162	0.03442	27.503	27.50300	0.20796	6.9
HOPKINS RDG	115	HPR	18	10	1.02	6060.8	0	1207.2	7.2	6175.7	6404.6	1230.1	7.3	6227.0	6227	1240.3	7.5	7.5	5247.9	0	1045.3	7.2	1.54479	0.01168	11.099	0.08392	1.5455	11.1028	1.26096	0.00953	10.2285	10.22850	0.07734	6.4
HOPLAND	115		70	9	1.05	9826.4	0	1957.3	4.8	9157.9	6406.9	1824.1	4.9	7753.6	7753.6	1544.4	5.2	5.2	8506.1	0	1694.3	4.8	1.44472	0.01092	6.94455	0.05251	1.44511	6.95088	2.23751	0.01692	12.5812	12.58120	0.09513	9.8
HORN BU TAP	115	T 11/4	23	3	1.03	4485.8	0	893.5	11.5	4382.4	3993.3	872.9	11.2	4223.0	4223	841.2	10.9	10.9	3882.8	0	773.4	11.5	1.32819	0.01004	15.2589	0.11538	1.32927	15.2754	1.80297	0.01363	18.0711	18.07110	0.13664	4.5
HORN BUTTE	115		23	1	1.03	3631.7	0	723.4	10.4	3936.9	4504.5	784.2	11.8	4020.5	4020.5	800.8	12.7	12.7	3144.0	0	626.2	10.4	1.80385	0.01364	18.7937	0.14211	1.80449	18.8081	0.41256	0.00312	13.4032	13.40320	0.10135	4.5
HORN RAP	115	T 4/15	25	3	1.04	10921.7	0	2175.4	6.0	9916.3	5551.0	1975.2	6.1	7353.9	7353.9	1464.8	6.7	6.7	9448.9	0	1882.1	6	1.0404	0.00787	6.21883	0.04702	1.04212	6.23153	2.08955	0.01580	15.3309	15.33090	0.11592	10.9
HORSE BUTTE	115	HBUT	24	54	1.05	5811.3	0	1157.5	7.8	5627.4	4804.9	1120.9	8	5279.9	5279.9	1051.7	8.4	8.4	5051.2	0	1006.1	7.8	1.51914	0.01149	11.9078	0.09004	1.53898	11.8166	1.64616	0.01245	15.6327	15.63270	0.11821	5.8
HORSE HV	115	HORS	23	3	1.05	9571.2	0	1906.4	19.3	9236.3	7930.1	1839.7	18.1	8663.0	8663	1725.5	16.6	16.6	8278.4	0	1648.9	19.3	0.37591	0.00284	7.26513	0.05493	0.37846	7.28345	0.69728	0.00527	9.5203	9.52030	0.07199	9.6
HORSE HV	230	HORS	23	3	1.05	10651.1	0	4243.1	11.2	10057.5	7889.5	4006.6	10.9	9039.3	9039.3	3601	10.4	10.4	9198.1	0	3664.3	11.2	1.15936	0.00219	13.0214	0.02462	1.16956	13.0946	2.09488	0.00396	19.8835	19.88350	0.03759	10.7
HORSE HV BK1	13.8	Bk1 tert	23	3	1.05	36390.5	0	869.8	17.2	31496.9	0.0	752.8	17.2	0.0	0	0	492.8	N/A	31496.9	0	752.8	17.2	0.01335	0.00701	0.22918	0.12034	0.01339	0.22945	0	0.00000	-5.00E+07	0.00000	0.00000	36.4
HORSE R TAP	230	T 11/6	9	3	1.10	35136.6	0	13997.4	10.6	32897.4	24468.9	13105.4	10.1	28619.4	28619.4	11401.2	9.1	9.1	30184.8	0	12024.8	10.5	0.39043	0.00074	4.12629	0.00780	0.39812	4.19296	0.87136	0.00165	6.85589	6.85589	0.01296	35.1
HORSERANCH	230	HRS	9	10	1.10	29163.9	0	11618.1	11.1	26698.4	16328.9	10635.9	10.4	20808.7	20808.7	8289.6	8.8	8.8	25099.1	0	9998.8	11.1	0.44706	0.00085	4.97448	0.00940	0.45446	5.03676	1.46447	0.00277	10.8548	10.85480	0.02052	29.2
HOT SPRG	230	HOTS	15	2	1.09	15156.5	0	6037.9	13.4	14571.1	12285.3	5804.7	12.8	13552.4	13552.4	5398.9	11.9	11.9	13107.7	0	5221.7	13.4	0.70903	0.00134	9.49341	0.01795	0.71299	9.51959	1.25009	0.00236	12.815	12.81500	0.02422	15.2
HOT SPRG BK1	34.5	Bk1 tert	15	3	1.03	26849.1	0	1604.4	24.8	23243.4	0.1	1388.9	24.8	0.1	0.1	0	159413	N/A	23243.4	0	1388.9	24.8	0.03088	0.00259	0.7669	0.06443	0.03096	0.76747	0	0.00000	-4.90E+05	0.00000	0.00000	26.8
HOT SPRG BK1	230	HOTS	15	3	1.09	15157.5	0	6038.3	13.4	14588.2	12382.7	5811.5	12.8	13612.0	13612	5422.6	12	12	13108.7	0	5222.1	13.4	0.70641	0.00134	9.49317	0.01795	0.71035	9.51923	1.21826	0.00230	12.6791	12.67910	0.02397	15.2
HOT SPRG N	525	HOTS	15	3	1.04	8038.8	0	7309.9	14.7	7424.3	4944.2	6751.1	14.1	6116.2	6116.2	5561.6	12.6	12.6	6954.2	0	6323.7	14.7	2.64578	0.00096	38.9977	0.01415	2.66054	39.0824	6.88405	0.00250	75.5602	75.56020	0.02741	8.0
HOT SPRGSS	34.5	HOTS	15	3	1.03	3006.8	0	179.7	221.9	2603.8	0.1	155.6	221.7	0.1	0.1	0	-22259345.5	N/A	2603.8	0	155.6	221.7	0.03088	0.00259	6.85365	0.57582	0.03096	6.85421	0	0.00000	-4.90E+05	0.00000	0.00000	3.0
HUGHES-SEC	12.5	BRUSH CL	3	1	1.08	13146.1	0	284.6	26.1	13398.6	14008.0	290.1	27.1	13563.4	13563.4	293.7	28	N/A	11384.9	0	246.5	26.1	0.0226	0.01446	0.59008	0.37765	0.02261	0.59008	0.01609	0.00000	0.53578	0.00000	0.00000	14.0
HUGHES-SEC	115	T 9/5	3	3	1.08	15428.3	0	3073.1	8.3	14115.1	8905.2	2811.5	8.3	11292.6	11292.6	2249.3	8	8	13361.5	0	2661.4	8.3	0.55063	0.00416	4.59626	0.03475	0.55182	4.59601	1.24676	0.00943	9.63504	9.63504	0.07285	15.4
HYCOM-CWTZ	230	HYCOM-CW	5	34	1.07	25631.4	0	10210.8	10.6	23781.4	16126.2	9473.8	9.9	19824.2	19824.2	7897.4	8.9	8.9	22226.9	0	8854.6	10.2	0.52031	0.00098	5.49812	0.01039	0.56112	5.47948	1.30536	0.00247	10.3104	10.31040	0.01949	25.6
IDAHOME	34.5	IDAH	24	3	1.05	3719.4	0	222.3	11.5	3972.6	4492.3	237.4	12.6	4063.8	4063.8	242.8	13.3	13.3	3216.4	0	192.2	11.5	0.48875	0.04106	5.6262	0.47269	0.49472	5.64237	0.18283	0.01536	4.19376	4.19376	0.35234	4.5
IDAHOME	138	IHOM	24	3	1.05	3585.1	0	856.9	4.7	3221.1	1671.7	769.9	4.7	2267.2	2267.2	541.9	5.1	5.1	3086.8	0	737.8	4.7	4.89463	0.02570	22.9187	0.12035	4.99017	23.1774	11.5932	0.06088	62.9868	62.98680	0.33074	3.6
Indian	115	Indn	3	7	1.07	18860.0	0	3756.6	8.6	19591.7	21138.5	3902.4	8.9	19933.0	19933	3970.4	9.2	9.2	16331.6	0	3253	8.6	0.43768	0.00331	3.75471	0.02839	0.4387	3.75535	0.28926	0.00219	3.1564	3.15640	0.02387	21.1
ING 500	500	ING	1	28	1.14	24830.0	0	21503.4	11.1	24282.3	22320.6	21029.1	10.9	23495.7	23495.7	20347.9	10.7	10.7	21491.6	0	18612.2	11.1	1.18416	0.00047	13.157	0.00526	1.1857	13.1715	1.52408	0.00061	15.3712	15.37120	0.00615	24.8
INTALCO BK1	13.8	Int fdr1	9	3	1.15	56564.9	0	1352.0	29.5	49029.8	953.3	1171.9	29	1874.9	1874.9	44.8	7.7	7.7	48981.3	0	1170.8	29.5	0.0055	0.00289	0.1622	0.08517	0.00551	0.16223	1.88592	0.99030	14.2408	14.24080	7.47784	56.6
INTALCO BK2	13.8	Int fdr2	9	3	1.15	28636.7	0	684.5	32.7	24823.3	470.0	593.3	32.1	924.8	924.8	22.1	7.7	7.7	24798.7	0	592.7	32.7	0.0098	0.00515	0.32043	0.16826	0.0098	0.32047	3.81495	2.00323	28.8936	28.89360	15.17202	28.6
INTALCO BK3	13.8	Int fdr3	9	3	1.15	56574.6	0	1352.3	29.5	49038.2	953.3	1172.1	29	1874.9	1874.9	44.8	7.7	7.7	48989.7	0	1171	29.5	0.0055	0.00289	0.16217	0.08516	0.00551	0.1622	1.88592	0.99030	14.2408	14.24080	7.47784	56.6
INTALCO BK4	13.8	Int fdr4	9	3	1.15	53205.1	0	1271.7	31.0	46123.5	976.8	1102.5	30.4	1918.3	1918.3	45.9	7.6	7.6	46072.2	0	1101.2	31	0.00556	0.00292	0.17245	0.09055	0.00556	0.17249	1.85452	0.97381	13.8899	13.88990	7.29358	53.2
INTALCO BK5	13.8	Int fdr5	9	3	1.15	53205.1	0	1271.7	31.0	46123.4	976.8	1102.5	30.4	1918.3	1918.3	45.9	7.6	7.6	46072.2	0	1101.2	31	0.00556	0.00292	0.17245	0.09055	0.00556	0.17249	1.8545	0.97380	13.8898	13.88980	7.29353	53.2
INTALCO BK6	13.8	Int fdr6	9	3	1.15	53534.3	0	1279.6	30.2	46398.0	991.3	1109	29.8	1946.4	1946.4	46.5	9.2	9.2	46357.2	0	1108	30.2	0.00567	0.00298	0.17138	0.08999	0.00567	0.17142	1.52321	0.79984	13.7228	13.72280	7.20584	53.5
INTALCO BK7	13.8	Int fdr7	9	3	1.15	53534.1	0	1279.6	30.2	46397.8	991.3	1109	29.8	1946.4	1946.4	46.5	9.2	9.2	46357.0	0	1108	30.2	0.00567	0.00298	0.17138	0.08999	0.00567	0.17142	1.52317	0.79982	13.7228	13.72280	7.20584	53.5
INTALCO-E	230	INTA	9	3	1.15	21202.1	0	8446.3	12.7	21762.5	23187.5	8669.6	12.9	22135.2	22135.2	8818	13.1	13.1	18348.8	0	7309.7	12.7	0.5679	0.00107	7.19338	0.01360	0.56906	7.20328	0.44124	0.00083	6.27792	6.27792	0.01187	23.2
INTALCO-W	230	INTA	9	3	1.15	21048.5	0	8385.1	12.5	21583.4	22927.8	8598.2	12.7	21933.0	21933	8737.5	12.9	12.9	18216.0	0	7256.8	12.5	0.58017	0.00110	7.24525	0.01370	0.58133	7.25516	0.45136	0.00085	6.36327	6.36327	0.01203	22.9
IONE	12.5	IONE	23	3	1.04	2352.8	0	50.9	7.4	2573.5	3001.0	55.7	8.1	2637.9	2637.9	57.1	8.4	8.4	2037.5	0	44.1	7.4	0.42575	0.27248	3.16609	2.02630	0.42578	3.16637	0.15339	0.09817	2.15603	2.15603	1.37986	3.0
IONE	69	IONE	23	3	1.04	1301.6	0	155.6	3.7	1183.0	591.9	141.4	3.8	814.0	814	97.3	4.5	4.5	1127.0	0	134.7	3.7	8.29888	0.17431	30.7768	0.64644	8.29966	30.7854	16.8398	0.35370	87.6466	87.64660	1.84093	1.3
IRBY INLD	34.5		446	2	1.04	2487.6	0	148.7	9.6	2627.2	2877.8	157	10.4	2668.2	2668.2	159.4	11.1	11.1	2153.9	0	128.7	9.6	0.86909	0.07302	8.31536	0.69862	0.86861	8.31939	0.35696	0.02999	6.65588	6.65588	0.55920	2.9
IRBY TAP	115	IRBYTP11	445	2	1.04	3592.7	0	715.6	3.2	3280.4	1618.9	653.4	3.4	2231.5	2231.5	444.5	4.1	4.1	3108.1	0	619.1	3.2	5.69034	0.04303	18.4387	0.13942	5.68504	18.4835	10.5897	0.08007	53.6539	53.65390	0.40570	3.6
IRONDALE	115	IRO	11	630	1.07	4025.1	0	801.8	6.8	3665.8	2120.3	730.2	6.9	2776.5	2776.5	553	7.5	7.5	3484.4	0	694	6.8	2.58085	0.01951	17.4471	0.13193	2.58488	17.4614	4.91106	0.03713	41.1329	41.13290	0.31102	4.0
ISTHMUS	230		77	9	1.05	3678.7	0	1465.5	6.7	3902.5	4176.9	1554.7	7.5	3910.6	3910.6	1557.9	8.1	8.1	3183.6	0	1268.2	6.7	5.5864	0.01056	37.5078	0.07090	5.59291	37.5622	1.86498	0.00353	31.1504	31.15040	0.05889	4.2
JACKSON-LVE	115		24	33	1.06	3199.1	0	637.2	5.2	2997.5	2117.0	597.1	5.3	2568.0	2568	511.5	5.5	5.5	2792.2	0	556.2	5.2	4.11968	0.03115	21.6127	0.16342	4.11012	21.2662	6.53496	0.04941	38.0111	38.01110	0.28742	3.2
JCT CITY	34.5	JUCY	4	1	1.15	1564.0	0	93.5	13.1	1354.3	0.2	80.9	13.1	0.5	0.5	0	-21321.3	N/A	1354.3	0	80.9	13.1	1.11586	0.09375	14.6275	1.22894	1.11595	14.6297	4.45285	0.00000	-1.40E+05	0.00000	0.00000	1.6
JCT CITY	115	JUCY	4	3	1.10	8590.9	0	1711.2	6.4	7761.5	4287.2	1546	6.4	5712.8	5712.8	1137.9	6.8	6.8	7430.6	0	1480.1	6.4	1.32119	0.00999	8.4097	0.06359	1.32216	8.43126	2.98362	0.02256	21.1491	21.14910	0.15992	8.6
JCT CITY TAP	115	T 34/2	4	3	1.10	8639.6	0	1720.9	6.4	7804.0	4310.6	1554.5	6.5	5744.3	5744.3	1144.2	6.8	6.8	7472.6	0	1488.4	6.4	1.30664	0.00988	8.36341	0.06324	1.30761	8.38497	2.96482	0.02242	21.0358	21.03580	0.15906	8.6
JD SW SS	13.2	JDSS	22	3	1.01	491.1	0	11.2	3.7	467.7	383.7	10.7	3.7	430.8	430.8	9.8	3.8	3.8	425.3	0	9.7	3.7	4.08335	2.34352	15.1632	8.70248	4.08337	15.1645	5.60822	3.21868	21.5847	21.58470	12.38791	0.5
JDAY PH SS	4.16	JDPH	22	1	1.01	18529.5	0	133.5	4440.3	19810.3	23241.5	142.7	5293.1	20609.1	20609.1	148.5	5731.3	N/A	16038.8	0	115.6	4251.9	0.00003	0.00017	0.13119	0.75808	0.00003	0.13132	9.10E-15	0.00000	0.09134	0.00000	0.00000	23.2
JDAY PH#1	525	JDPH	22	3	1.02	34196.3	0	31095.6	20.5	32664.8	27173.4	29703	19.2	30164.5	30164.5	27429.4	17.5	17.5	29498.1	0	26823.4	20.2	0.44045	0.00016	9.03748	0.00328	0.4594	9.10824	0.85758	0.00031	12.5768	12.57680	0.00456	34.2
JDAY PH#2	525	JDPH	22	3	1.02	34207.0	0	31105.4	20.7	32755.0	27572.6	29785	19.3	30414.1	30414.1	27656.3	17.7	17.7	29507.4	0	26831.9	20.3	0.43743	0.00016	9.03476	0.00328	0.45637	9.1055	0.83185	0.00030	12.3311	12.33110	0.00447	34.2
JDAY PH#3	525	JDPH	22	3	1.02	34187.5	0	31087.6	20.5	32727.2	27523.9	29759.7	19.2	30376.7	30376.7	27622.4	17.6	17.6	29490.7	0	26816.7	20.1	0.44133	0.00016	9.03977	0.00328	0.46027	9.11043	0.83576	0.00030	12.3582	12.35820	0.00448	34.2
JDAY PH#4	525	JDPH	22	3	1.02	34100.9	0	31008.9	20.6	32588.0	27163.5	29633.1	19.3	30121.3	30121.3	27390.1	17.5	17.5	29416.1	0	26748.9	20.2	0.43999	0.00016	9.06281	0.00329	0.4589	9.13363	0.8548	0.00031	12.5704	12.57040	0.00456	34.1
JDAY SS BPA	4.16	JDSS	22	1	1.01	9359.2	0	67.4	1.0	9072.9	3155.8	65.4	0.9	4875.3	4875.3	35.1	0.3	N/A	8103.8	0	58.4	1	0.18658	1.07815	0.18068	1.04406	0.18658	0.18082	1.04301	0.00000	0.12007	0.00000	0.00000	9.4
JDAY SS BPA	13.2	JDSS	22	3	1.01	634.4	0	14.5	6.4	683.3	713.0	15.6	7.7	672.2	672.2	15.4	9.1	9.1	549.4	0	12.6	6.4	1.87832	1.07801	12.0115	6.89365	1.87835	12.0128	9.98E-09	0.00000	10.1937	10.19370	5.85038	0.7
JENKINS	115	T 24/7	17	3	1.07	4918.3	0	979.7	5.3	4461.9	2403.1	888.7	5.5	3228.1	3228.1	643	6.1	6.1	4258.2	0	848.2	5.3	2.65464	0.02007	14.1519	0.10701	2.6553	14.16	5.41218	0.04092	36.6214	36.62140	0.27691	4.9
JERITA	69	JERITA	18	1	1.01	372.8	0	44.5	3.2	361.7	307.3	43.2	3.3	336.4	336.4	40.2	3.4	3.4	322.3	0	38.5	3.2	32.258	0.67755	102.982	2.16303	32.2596	103.347	36.2484	0.76136	137.961	137.96100	2.89773	0.4
JERITA-INLD	12.47	JERITA	18	1	1.01	940.4	0	20.3	5.7	1084.5	1344.4	23.4	6.4	1106.3	1106.3	23.9	6.6	6.6	813.8	0	17.6	5.7	1.33286	0.85714	7.61511	4.89715	1.33292	7.62702	0.27928	0.17960	4.25157	4.25157	2.73411	1.3
JOHN DAY	230	JDTW	22	3	1.06	27416.9	0	10922.1	37.7	27696.8	27513.0	11033.6	31.7	27563.5	27563.5	10980.5	27.4	27.4	23828.0	0	9492.4	36.4	0.1367	0.00026	5.15078	0.00974	0.14528	5.11412	0.27882	0.00053	5.10045	5.10045	0.00964	27.7
JOHN DAY BK1	34.5	Bk1 tert	22	3	1.01	25720.4	0	1536.9	51.7	22282.3	0.0	1331.5	51.4	0.0	0	0	4916.3	N/A	22282.3	0	1331.5	51.4	0.01519	0.00128	0.78529	0.06598	0.01536	0.78474	0	0.00000	-5.00E+07	0.00000	0.00000	25.7
JOHN DAY E	525	JDAY	22	3	1.02	44519.8	0	40483.0	20.8	42985.2	35355.7	39087.6	17.2	39239.2	39239.2	35681.3	13.5	13.5	38376.6	0	34896.9	20.4	0.33334	0.00012	6.94363	0.00252	0.352	7.00752	1.05675	0.00038	9.64605	9.64605	0.00350	44.5
JONES CYN S	230	JCSB	23	3	1.03	9163.3	0	3650.4	12.6	9812.0	11366.6	3908.8	13.4	10088.5	10088.5	4019	13.9	13.9	7889.8	0	3143.1	12.7	1.17716	0.00223	14.8479	0.02807	1.18017	15.0213	0.54483	0.00103	10.6125	10.61250	0.02006	11.4
JORDAN TAP	69	T1	23	1	1.04	1305.3	0	156.0	3.7	1186.4	594.1	141.8	3.8	816.8	816.8	97.6	4.5	4.5	1130.3	0	135.1	3.7	8.2627	0.17355	30.6916	0.64465	8.26347	30.7002	16.7698	0.35223	87.3076	87.30760	1.83381	1.3
JORDAN-CBEC	69		23	1	1.04	1252.8	0	149.7	3.6	1139.7	565.3	136.2	3.7	779.4	779.4	93.1	4.3	4.3	1084.8	0	129.7	3.6	8.93933	0.18776	31.8872	0.66976	8.9401	31.8957	17.9062	0.37610	91.8566	91.85660	1.92936	1.3
JOSO	115	T 15/5	20	3	1.03	7620.0	0	1517.8	6.6	6965.6	4405.4	1387.5	6.6	5580.7	5580.7	1111.6	6.7	6.7	6596.4	0	1313.9	6.6	1.34575	0.01018	8.8349	0.06680	1.34707	8.84227	2.70265	0.02044	18.5305	18.53050	0.14012	7.6
JUNIPER CYN	230	BIG EDDY	22	1	1.05	7277.9	0	2899.3	13.7	7020.8	5230.3	2796.9	12.3	6211.8	6211.8	2474.6	10.1	10.1	6429.8	0	2561.5	13.7	1.38983	0.00263	19.0325	0.03598	1.33669	18.2805	3.89769	0.00737	29.4339	29.43390	0.05564	7.3
KALISPEL-FEC	69		15	1	1.05	3046.1	0	364.0	6.3	3464.4	4130.5	414	7.4	3509.8	3509.8	419.5	7.8	7.8	2639.0	0	315.4	6.3	2.13928	0.04493	13.5293	0.28417	2.13926	13.5189	0.22807	0.00479	8.3287	8.32870	0.17494	4.1
KALISPELL	34.5	KALI	15	3	1.05	4337.6	0	259.2	7.2	4725.6	5370.0	282.4	8	4801.7	4801.7	286.9	8.6	8.6	3757.5	0	224.5	7.2	0.66347	0.05574	4.76961	0.40072	0.66346	4.76699	0.18299	0.01537	3.42605	3.42605	0.28784	5.4
KALISPELL	115	KALI	15	3	1.05	4518.4	0	900.0	2.7	4262.6	2846.6	849	2.8	3498.1	3498.1	696.8	3.1	3.1	3916.5	0	780.1	2.7	5.30855	0.04014	14.4451	0.10923	5.3085	14.4162	7.46354	0.05644	27.9681	27.96810	0.21148	4.5
KEELER	525	KEEL	3	3	1.03	18687.5	0	16993.0	17.8	17942.1	14977.7	16315.2	16.5	16622.4	16622.4	15115.2	14.9	14.9	16177.6	0	14710.7	17.5	0.93793	0.00034	16.6946	0.00606	0.97102	16.7057	1.85528	0.00067	22.8688	22.86880	0.00830	18.7
KEELER BK1	13.2	Bk1 tert	3	3	1.09	39027.4	0	892.3	25.6	33797.5	0.0	772.7	25.6	0.1	0.1	0	44797.3	N/A	33797.5	0	772.7	25.6	0.0083	0.00476	0.21275	0.12210	0.00833	0.21276	0	0.00000	-4.90E+05	0.00000	0.00000	39.0
KEELER BK1	115	Bnk1 Low	3	3	1.09	31398.9	0	6254.2	11.1	32346.0	33933.6	6442.9	11.8	32609.8	32609.8	6495.4	12.4	12.4	27184.8	0	5414.8	11	0.20722	0.00157	2.295	0.01735	0.2096	2.29606	0.11956	0.00090	2.0436	2.04360	0.01545	33.9
KEELER BK2	34.5	Bk2 tert	3	3	1.04	45224.7	0	2702.4	59.9	39163.2	0.0	2340.2	59.2	0.0	0	0	3318.3	N/A	39163.2	0	2340.2	59.2	0.00761	0.00064	0.45634	0.03834	0.0078	0.4564	0	0.00000	-5.00E+07	0.00000	0.00000	45.2
KEELER BK2	525	KEEL	3	3	1.03	18640.6	0	16950.4	17.7	17898.9	14959.5	16276	16.5	16592.6	16592.7	15088.1	14.9	14.9	16137.0	0	14673.8	17.4	0.94391	0.00034	16.7366	0.00607	0.977	16.7476	1.85072	0.00067	22.8863	22.88630	0.00830	18.6
KEELER BK3	13.2	Bk3 tert	3	3	1.09	23099.9	0	528.1	34.7	20005.0	0.0	457.4	34.7	0.1	0	0	102229.5	N/A	20005.0	0	457.4	34.7	0.01032	0.00592	0.35797	0.20545	0.01034	0.35798	0	0.00000	-4.90E+05	0.00000	0.00000	23.1
KEELER BK3	115	Bnk3 Low	3	3	1.09	30692.2	0	6113.4	11.4	31021.8	31215.4	6179.1	11.8	30944.2	30944.2	6163.7	12.3	12.3	26573.2	0	5293	11.3	0.2067	0.00156	2.34815	0.01776	0.20907	2.3492	0.15156	0.00115	2.29376	2.29376	0.01734	31.2
KEELER EB	115	KEEL	3	3	1.09	31801.1	0	6334.3	10.8	32481.9	33480.9	6469.9	11.4	32611.5	32611.5	6495.7	11.9	11.9	27532.8	0	5484.1	10.8	0.20916	0.00158	2.26571	0.01713	0.21156	2.26678	0.13729	0.00104	2.10049	2.10049	0.01588	33.5
KEELER EB	230	KEEL	3	3	1.09	30233.4	0	12044.1	12.6	32646.5	38703.0	13005.4	12.9	33936.6	33936.6	13519.4	12.9	12.9	26174.1	0	10427	12.5	0.37653	0.00071	4.7606	0.00900	0.38508	4.76313	0.22535	0.00043	3.20112	3.20112	0.00605	38.7
KEELER SVC	20	KEEL	3	3	1.07	65119.9	0	2255.8	33.0	56394.2	173.8	1953.6	32.8	346.7	346.7	12	93.6	93.6	56392.4	0	1953.5	32.8	0.00573	0.00143	0.18885	0.04721	0.00579	0.18887	1.12561	0.28140	106.089	106.08900	26.52225	65.1
KEELER1SS	13.2	Bk1 SS	3	3	1.09	2952.9	0	67.5	339.2	2557.3	0.0	58.5	338.6	0.1	0.1	0	10589363.1	N/A	2557.3	0	58.5	338.6	0.0083	0.00476	2.81393	1.61497	0.00833	2.81394	0	0.00000	-4.90E+05	0.00000	0.00000	3.0
KEELER3 SS	13.2	Bk3 SS	3	3	1.09	2473.4	0	56.5	324.2	2142.0	0.0	49	323.8	0.1	0.1	0	14117864.8	N/A	2142.0	0	49	323.8	0.01032	0.00592	3.34465	1.91956	0.01034	3.34465	0	0.00000	-4.90E+05	0.00000	0.00000	2.5
KELLER	34.5	KELL	17	3	1.10	635.7	0	38.0	10.2	642.7	662.5	38.4	10.2	648.8	648.8	38.8	10.2	10.2	550.6	0	32.9	10.2	3.37433	0.28350	34.3853	2.88891	3.37436	34.3858	3.14231	0.26400	32.3038	32.30380	2.71403	0.7
KELLER	115	KELL	17	3	1.05	3287.9	0	654.9	9.0	2970.4	1539.4	591.7	8.7	2096.9	2096.9	417.7	7.6	7.6	2847.1	0	567.1	9	2.3601	0.01785	21.1679	0.16006	2.36043	21.1725	8.30238	0.06278	56.9998	56.99980	0.43100	3.3
KELLER TAP	115	T 2/2	17	3	1.05	13461.8	0	2681.4	9.7	12723.9	10038.5	2534.4	9.8	11495.7	11495.7	2289.8	10.1	10.1	11653.0	0	2321.1	9.7	0.53495	0.00404	5.17445	0.03913	0.53528	5.17908	0.73011	0.00552	7.83268	7.83268	0.05923	13.5
KENNEDY	115	T 2/7	25	3	1.05	10555.5	0	2102.5	5.4	9598.0	5380.7	1911.8	5.5	7120.5	7120.5	1418.3	6.1	6.1	9130.9	0	1818.7	5.4	1.18734	0.00898	6.41065	0.04847	1.19017	6.42526	2.33357	0.01765	15.7731	15.77310	0.11927	10.6
KENNEWCK TAP	115	T 7/7	20	3	1.03	9847.4	0	1961.5	8.8	8884.3	4760.9	1769.6	8.6	6414.9	6414.9	1277.8	8.1	8.1	8522.9	0	1697.6	8.8	0.78424	0.00593	6.8813	0.05203	0.78467	6.88965	2.36177	0.01786	17.8809	17.88090	0.13521	9.8
KENNEWICK	115	KENN	20	3	1.03	9259.3	0	1844.3	7.9	8331.9	4412.1	1659.6	7.8	5973.1	5973.1	1189.7	7.5	7.5	8014.2	0	1596.3	7.9	0.92707	0.00701	7.30715	0.05525	0.9275	7.3155	2.65935	0.02011	19.3331	19.33310	0.14619	9.3
KERR	115	KERR	15	40	1.06	8427.5	0	1678.6	5.8	10627.0	14467.8	2116.8	6.7	10815.1	10815.1	2154.2	6.8	6.8	7407.3	0	1475.4	5.9	1.42006	0.01074	8.20494	0.06204	1.3351	7.97122	0.06604	0.00050	3.08419	3.08419	0.02332	14.5
KERR-BPA	115	KERR	15	3	1.06	8426.4	0	1678.4	5.8	10624.4	14464.0	2116.2	6.7	10813.1	10813.1	2153.8	6.8	6.8	7406.3	0	1475.2	5.9	1.42117	0.01075	8.20584	0.06205	1.33622	7.97214	0.06733	0.00051	3.08545	3.08545	0.02333	14.5
KETTLE F TAP	115	T 14/5	16	3	1.04	5403.5	0	1076.3	6.6	5271.5	4263.2	1050	7.2	4828.8	4828.8	961.8	8.2	8.2	4739.5	0	944	6.7	1.89903	0.01436	12.6233	0.09545	1.80971	12.3103	1.47311	0.01114	17.6058	17.60580	0.13313	5.4
KETTLEFLS115	115	KETTLEFL	445	2	1.04	5409.1	0	1077.4	6.6	5295.6	4331.4	1054.8	7.2	4875.0	4875	971	8.3	8.3	4745.4	0	945.2	6.7	1.89774	0.01435	12.61	0.09535	1.80658	12.2922	1.38832	0.01050	17.2381	17.23810	0.13034	5.4
KINZUA-CBEC	69	KINZUA	23	1	1.04	955.2	0	114.2	3.2	869.3	403.3	103.9	3.3	567.6	567.6	67.8	4.1	4.1	827.2	0	98.9	3.2	12.9935	0.27292	41.4485	0.87058	12.9943	41.457	25.8463	0.54288	130.2	130.20000	2.73472	1.0
KINZUA-CPEC	69	KINZUA-C	22	1	1.06	1407.1	0	168.2	4.5	1371.8	1110.7	163.9	4.8	1242.1	1242.1	148.5	5.4	5.4	1218.6	0	145.6	4.5	6.51169	0.13677	29.1515	0.61230	6.51184	29.1507	5.47118	0.11492	41.5071	41.50710	0.87181	1.4
KITSAP BK1	13.2	Bk1 tert	11	3	1.07	15246.9	0	348.6	21.3	13202.7	0.0	301.9	21.2	0.0	0	0	94416.2	N/A	13202.7	0	301.9	21.2	0.02522	0.01447	0.53588	0.30755	0.02525	0.53601	0	0.00000	-4.90E+05	0.00000	0.00000	15.2
KITSAP BK1	230	KTSA	11	3	1.07	6306.1	0	2512.2	9.5	6079.0	5152.7	2421.7	9.8	5666.9	5666.9	2257.5	10.5	10.5	5456.7	0	2173.8	9.4	2.37639	0.00449	22.4582	0.04245	2.38761	22.4949	2.41194	0.00456	30.0977	30.09770	0.05690	6.3
KITSAP BK2	230	KTSA	11	3	1.07	6403.6	0	2551.0	11.0	6206.5	5501.3	2472.5	10.8	5913.3	5913.3	2355.7	10.5	10.5	5541.0	0	2207.4	11	2.01238	0.00380	22.1477	0.04187	2.0236	22.1844	2.82025	0.00533	27.5899	27.58990	0.05215	6.4
KITSAP N	115	KTSA	11	3	1.07	13955.5	0	2779.7	10.7	13869.6	13568.8	2762.6	10.7	13746.7	13746.7	2738.2	10.8	10.8	12074.7	0	2405.1	10.6	0.47684	0.00361	5.08373	0.03844	0.47964	5.09294	0.47797	0.00361	5.3078	5.30780	0.04013	14.0
KITSAP SS	13.2	KTSA	11	3	1.07	1359.7	0	31.1	238.6	1177.5	0.0	26.9	238.4	0.0	0	0	-58378298.1	N/A	1177.5	0	26.9	238.4	0.02522	0.01447	6.01593	3.45267	0.02525	6.01605	0	0.00000	-4.90E+05	0.00000	0.00000	1.4
KLAHANIE	230	KLA	8	10	1.09	14722.0	0	5864.8	12.9	13527.4	8434.5	5389	12.1	10690.0	10690.1	4258.6	10.1	10.1	12706.8	0	5062	12.9	0.76208	0.00144	9.84542	0.01861	0.77088	9.91144	2.47936	0.00469	20.8434	20.84340	0.03940	14.7
KLAMTH COGEN	525		77	9	1.03	16548.4	0	15047.9	12.6	15370.3	11253.3	13976.7	12	13344.0	13344	12134	11.5	11.5	14275.0	0	12980.6	12	1.4962	0.00054	18.8719	0.00685	1.6726	19.0073	2.95794	0.00107	32.2853	32.28530	0.01171	16.5
KLAMTH FALLS	69		71	9	1.09	9041.7	0	1080.6	15.7	11297.9	16205.0	1350.2	14.6	11431.0	11431	1366.1	14.6	14.6	7711.1	0	921.6	15.6	0.30636	0.00643	4.80512	0.10093	0.31968	4.95346	0.1527	0.00321	1.64033	1.64033	0.03445	16.2
KLAMTH FALLS	230		77	9	1.05	7225.6	0	2878.5	8.3	7156.4	6947.0	2850.9	8.1	7015.8	7015.8	2794.9	7.9	7.9	6197.4	0	2468.9	8.3	2.29412	0.00434	19.0968	0.03610	2.35639	19.4655	2.82464	0.00534	20.3936	20.39360	0.03855	7.2
KLONDIKE	115	KSCH	22	3	1.05	5925.1	0	1180.2	42.5	6145.1	6747.1	1224	43.1	6310.6	6310.6	1257	43.6	43.6	5132.2	0	1022.3	42.4	0.27538	0.00208	11.7137	0.08857	0.27648	11.7093	0.20566	0.00156	9.57156	9.57156	0.07237	6.7
KNAPPA	115	KNAPPA	79	9	1.07	5362.2	0	1068.1	4.0	4952.7	2995.3	986.5	4.2	3845.1	3845.1	765.9	4.7	4.7	4644.2	0	925.1	4	3.1963	0.02417	12.8644	0.09727	3.20068	12.8612	5.19946	0.03932	28.5059	28.50590	0.21555	5.4
KSHS	115		22	1	1.05	5915.9	0	1178.4	41.6	6135.2	6733.2	1222	42.3	6299.3	6299.3	1254.7	42.7	42.7	5124.3	0	1020.7	41.5	0.28213	0.00213	11.7315	0.08871	0.28323	11.727	0.20844	0.00158	9.59422	9.59422	0.07255	6.7
KSHS IV	230	KSCH	22	3	1.05	13069.2	0	5206.4	21.9	12517.8	10230.1	4986.7	20.1	11490.4	11490.4	4577.4	17.6	17.6	11331.2	0	4514	21.8	0.48708	0.00092	10.69	0.02021	0.49322	10.6652	1.08937	0.00206	15.1005	15.10050	0.02855	13.1
L1025 TAP	34.5		24	1	1.05	4506.3	0	269.3	15.1	4457.0	4181.5	266.3	16.1	4337.1	4337.1	259.2	17.3	17.3	3901.8	0	233.2	15.1	0.30508	0.02563	4.61297	0.38756	0.3057	4.61478	0.2188	0.01838	5.15847	5.15847	0.43339	4.5
L1026 TAP	34.5		24	1	1.05	4511.1	0	269.6	15.2	4461.5	4187.6	266.6	16.1	4342.6	4342.6	259.5	17.4	17.4	3905.9	0	233.4	15.2	0.30288	0.02545	4.60809	0.38715	0.3035	4.6099	0.2188	0.01838	5.1499	5.14990	0.43267	4.5
LA GRAND-OTE	69	L GRAND2	23	1	1.05	3754.5	0	448.7	16.4	4390.5	5849.3	524.7	17.2	4572.9	4572.9	546.5	17.3	17.3	3251.1	0	388.5	16.4	0.67763	0.01423	11.1085	0.23332	0.67863	11.1111	0.22872	0.00480	5.14649	5.14649	0.10810	5.8
LA GRANDE	69	LAGD	23	3	1.05	4425.9	0	528.9	17.8	5365.9	7488.6	641.3	17.5	5562.8	5562.8	664.8	17.5	17.5	3832.4	0	458	17.8	0.52897	0.01111	9.4254	0.19797	0.52996	9.42798	0.2292	0.00481	3.64218	3.64218	0.07650	7.5
LA GRANDE	230	LAGD	23	3	1.05	4818.5	0	1919.6	6.5	4751.2	4336.8	1892.7	6.7	4563.0	4563	1817.8	7.1	7.1	4170.8	0	1661.5	6.5	4.41701	0.00835	28.5631	0.05399	4.42809	28.5917	3.92063	0.00741	33.5145	33.51450	0.06335	4.8
LA GRANDEBK1	13.8	Bk1 tert	23	3	1.05	11888.9	0	284.2	21.4	10295.3	0.0	246.1	21.4	0.0	0	0	1835.1	N/A	10295.3	0	246.1	21.4	0.03281	0.01723	0.7021	0.36867	0.03285	0.7022	0	0.00000	-5.00E+07	0.00000	0.00000	11.9
LACAMAS	115		2	19	1.07	19611.9	0	3906.4	8.8	17819.3	10099.3	3549.4	8.6	13325.9	13325.9	2654.3	7.8	7.8	16974.7	0	3381.1	8.8	0.40886	0.00309	3.61188	0.02731	0.41279	3.61562	1.23045	0.00930	8.68952	8.68952	0.06571	19.6
LACLEDE	115	LACL	16	3	1.04	5622.8	0	1120.0	6.3	5043.6	2771.3	1004.6	6.3	3678.3	3678.3	732.7	6.5	6.5	4824.0	0	960.9	6.2	1.94039	0.01467	12.1469	0.09185	2.01192	12.3703	4.58189	0.03465	31.2446	31.24460	0.23625	5.6
LACLEDE-NLI	12.5	LACL	16	1	1.09	3347.0	0	72.5	14.3	3397.4	3524.9	73.6	14.4	3431.5	3431.5	74.3	14.6	14.6	2896.8	0	62.7	14.2	0.16435	0.10518	2.34253	1.49922	0.16528	2.34563	0.1393	0.08915	2.16741	2.16741	1.38714	3.5
LAGOON	69	T 11/16	20	3	1.02	5715.3	0	683.0	6.0	5285.9	3584.2	631.7	6.1	4363.6	4363.6	521.5	6.6	6.6	4901.7	0	585.8	5.8	1.17984	0.02478	7.03275	0.14772	1.25439	7.16137	1.76348	0.03704	13.5094	13.50940	0.28375	5.7
LAKECRHDRO	13.8		15	1	1.04	5853.1	0	139.9	5.9	6011.1	5936.7	143.7	6.4	5883.4	5883.4	140.6	7.1	7.1	5057.2	0	120.9	5.9	0.23712	0.12451	1.39133	0.73059	0.23682	1.39801	0.11352	0.05961	1.38186	1.38186	0.72561	6.0
LAKESIDE-CLP	115	LKSI	6	3	1.09	4592.1	0	914.7	3.3	4289.8	2761.2	854.5	3.5	3448.3	3448.3	686.9	3.9	3.9	3974.6	0	791.7	3.3	4.5041	0.03406	15.0783	0.11401	4.50711	15.0966	6.57837	0.04974	30.7316	30.73160	0.23238	4.6
LAKESIDE-FEC	230	bv 20/1	15	3	1.06	5918.3	0	2357.7	10.6	5464.2	3420.5	2176.8	9.9	4335.3	4335.3	1727.1	8.4	8.4	5124.4	0	2041.4	10.6	2.23806	0.00423	23.7437	0.04488	2.24124	23.7528	7.04862	0.01332	49.4936	49.49360	0.09356	5.9
LANCASTER	230	LANC	16	3	1.05	20421.1	0	8135.2	12.7	19861.7	17651.2	7912.3	12.3	18974.6	18974.6	7558.9	11.9	11.9	17721.6	0	7059.8	12.7	0.53564	0.00101	6.77633	0.01281	0.53069	6.7487	0.76618	0.00145	8.34525	8.34525	0.01578	20.4
LANE	115	LANE	4	3	1.09	25507.7	0	5080.8	12.0	24438.5	20544.7	4867.8	11.6	22693.0	22693	4520.1	11	11	22025.9	0	4387.3	12	0.23689	0.00179	2.83399	0.02143	0.23757	2.85063	0.39069	0.00295	3.86615	3.86615	0.02923	25.5
LANE	230	LANE	4	3	1.08	16984.8	0	6766.3	15.1	16186.6	12780.9	6448.3	13.8	14547.3	14547.3	5795.2	11.9	11.9	14668.6	0	5843.5	15.1	0.56056	0.00106	8.459	0.01599	0.56517	8.50587	1.35538	0.00256	12.6254	12.62540	0.02387	17.0
LANE BK1	13.2	Bk1 tert	4	3	1.09	16204.0	0	370.5	22.6	14030.0	0.0	320.8	22.6	0.1	0.1	0	96403.7	N/A	14030.0	0	320.8	22.6	0.02268	0.01302	0.51356	0.29474	0.02268	0.51378	0	0.00000	-4.90E+05	0.00000	0.00000	16.2
LANE BK3	525	LANE	4	3	1.03	8040.5	0	7311.4	17.8	7526.3	5340.6	6843.8	16.1	6407.1	6407.1	5826.2	13.3	13.3	6950.5	0	6320.2	17.8	2.17693	0.00079	38.806	0.01408	2.19953	38.9484	6.61536	0.00240	68.1581	68.15810	0.02473	8.0
LANE SS	13.2	Bk1 SS	4	3	1.09	4075.9	0	93.2	90.1	3529.6	0.0	80.7	90.1	0.1	0.1	0	1752771	N/A	3529.6	0	80.7	90.1	0.02268	0.01302	2.04356	1.17284	0.02268	2.04379	0	0.00000	-4.90E+05	0.00000	0.00000	4.1

LANES CK-LVE	115		24	33	1.07	1974.0	0	393.2	3.3	1914.9	1464.8	381.4	3.1	1695.0	1695	337.6	2.8	2.8	1722.0	0	343	3.3	10.46	0.07909	34.2656	0.25910	10.4327	33.7332	20.7205	0.15668	50.0559	50.05590	0.37849	2.0
LANGLOIS	12.5	LANG	6	3	1.13	3198.1	0	69.2	12.7	3277.9	3467.6	71	13	3327.3	3327.3	72	13.3	13.3	2769.5	0	60	12.7	0.20025	0.12816	2.55011	1.63207	0.20027	2.5503	0.15186	0.09719	2.25474	2.25474	1.44303	3.5
LANGLOIS	115	LANG	6	3	1.08	3105.4	0	618.6	6.1	2826.6	1675.2	563	6.2	2175.8	2175.8	433.4	6.5	6.5	2688.5	0	535.5	6.1	3.74158	0.02829	22.8812	0.17301	3.7433	22.8957	7.69377	0.05818	52.3306	52.33060	0.39569	3.1
LANGLOIS TAP	115	T 15/2-3	6	3	1.08	3137.1	0	624.9	6.2	2855.4	1697.8	568.8	6.3	2202.6	2202.6	438.7	6.6	6.6	2716.0	0	541	6.2	3.63966	0.02752	22.6602	0.17134	3.64138	22.6747	7.51388	0.05682	51.6071	51.60710	0.39022	3.1
LAPINE	115	LAPI	21	3	1.06	5220.9	0	1039.9	11.5	5105.6	4662.7	1017	11.9	4912.9	4912.9	978.6	12.4	12.4	4509.2	0	898.2	11.5	1.17175	0.00886	13.492	0.10202	1.18261	13.5645	1.10321	0.00834	15.9802	15.98020	0.12083	5.2
LAPINE	230	LAPI	21	3	1.06	5017.1	0	1998.7	7.0	4866.5	4194.4	1938.7	7.3	4546.0	4546	1811	7.9	7.9	4322.5	0	1722	7	3.98572	0.00753	27.8391	0.05263	4.02894	28.1278	3.67164	0.00694	36.4095	36.40950	0.06883	5.0
LAPINE BK1	13.8	Bk1 tert	21	3	1.06	22269.7	0	532.3	12.9	19259.6	0.0	460.3	12.9	0.0	0	0	605.2	N/A	19259.6	0	460.3	12.9	0.02938	0.01543	0.37885	0.19893	0.02954	0.37989	0	0.00000	-5.00E+07	0.00000	0.00000	22.3
LAPINE BK2	115	LAPI	21	3	1.06	3826.7	0	762.2	15.6	3756.4	3477.2	748.2	16.2	3636.5	3636.5	724.3	17.2	17.2	3307.5	0	658.8	15.5	1.18158	0.00893	18.3981	0.13912	1.19238	18.4702	1.00985	0.00764	21.2337	21.23370	0.16056	3.8
LARENE	115	T 17/7-8	16	3	1.07	4025.3	0	801.8	5.6	3594.0	1631.1	715.9	5.7	2321.4	2321.4	462.4	6	6	3485.6	0	694.3	5.6	3.0962	0.02341	17.3188	0.13096	3.09645	17.3228	8.75898	0.06623	55.6504	55.65040	0.42080	4.0
LARENE-INLD	12.5	LREN	16	1	1.12	1712.2	0	37.1	11.7	1728.9	1768.9	37.4	11.8	1740.1	1740.1	37.7	11.9	11.9	1482.8	0	32.1	11.7	0.40023	0.25615	4.68308	2.99717	0.40023	4.68313	0.36025	0.23056	4.45944	4.45944	2.85404	1.8
LARSON-GPUD	230		17	21	1.05	10816.6	0	4309.0	9.7	10075.8	6899.7	4013.9	9.2	8418.6	8418.6	3353.7	8.2	8.2	9359.1	0	3728.4	9.7	1.3256	0.00251	12.8783	0.02434	1.32643	12.9015	3.38799	0.00640	23.756	23.75600	0.04491	10.8
LATHAM	115	LATHAM	4	1	1.07	4766.7	0	949.5	12.8	4644.2	4054.5	925.1	11.9	4380.4	4380.4	872.5	10.8	10.8	4126.3	0	821.9	12.8	1.16731	0.00883	14.8932	0.11261	1.16893	14.9055	2.1484	0.01624	18.7632	18.76320	0.14188	4.8
LATHAM TAP	115	T 22/8-9	4	3	1.07	5289.1	0	1053.5	14.9	5354.0	5363.5	1066.4	13.8	5323.9	5323.9	1060.4	12.9	12.9	4578.4	0	912	14.9	0.90015	0.00681	13.4331	0.10157	0.90178	13.4454	1.29137	0.00976	13.1279	13.12790	0.09927	5.4
LEBANON	115	LEBA	4	3	1.07	5821.9	0	1159.6	3.6	5444.7	3332.0	1084.5	3.8	4267.4	4267.4	850	4.4	4.4	5073.5	0	1010.6	3.6	3.24692	0.02455	11.7276	0.08868	3.17503	11.5907	4.60606	0.03483	25.2506	25.25060	0.19093	5.8
LEDBEDER	115	LEDB	25	3	1.04	10735.4	0	2138.3	5.6	9726.9	5323.0	1937.5	5.7	7110.1	7110.1	1416.2	6.2	6.2	9287.3	0	1849.9	5.6	1.12508	0.00851	6.30971	0.04771	1.1274	6.32297	2.36209	0.01786	16.0295	16.02950	0.12121	10.7
LEDBEDER 1	12.5	LEDB	25	1	1.04	2840.9	0	61.5	15.3	2857.5	2896.2	61.9	15.4	2868.2	2868.2	62.1	15.5	15.5	2460.2	0	53.3	15.3	0.17176	0.10993	2.62692	1.68123	0.17179	2.62708	0.15847	0.10142	2.55238	2.55238	1.63352	2.9
LEDBEDER 2	12.5	LEDB	25	1	1.04	8220.6	0	178.0	17.5	8368.7	8700.2	181.2	18	8452.9	8452.9	183	18.6	N/A	7118.6	0	154.1	17.5	0.05201	0.03329	0.90828	0.58130	0.05204	0.90844	0.03872	0.00000	0.83373	0.00000	0.00000	8.7
LESLIE LRE	69		24	1	1.09	2087.3	0	249.5	3.8	1941.5	1300.5	232	3.9	1602.6	1602.6	191.5	4.2	4.2	1807.5	0	216	3.8	5.23363	0.10993	20.0873	0.42191	5.23674	20.0915	8.3489	0.17536	38.7168	38.71680	0.81321	2.1
LEVEY	115	LEVY	20	3	1.02	11528.8	0	2296.4	15.1	11777.9	12499.6	2346	15.1	11989.5	11989.5	2388.1	15.1	15.1	9980.0	0	1987.9	15.1	0.38922	0.00294	5.8676	0.04437	0.38928	5.87256	0.34564	0.00261	5.18612	5.18612	0.03921	12.5
LEVEY TAP	115	T 1/3	20	3	1.02	11556.4	0	2301.9	15.6	11805.9	12532.1	2351.6	15.6	12019.4	12019.4	2394.1	15.6	15.6	10003.9	0	1992.6	15.6	0.37599	0.00284	5.85437	0.04427	0.37605	5.85933	0.33241	0.00251	5.17289	5.17289	0.03911	12.5
LEWS+CLK	115	LEWS+CLK	70	9	1.07	6116.0	0	1218.2	5.6	6545.4	7168.3	1303.7	6.1	6603.4	6603.4	1315.3	6.5	6.5	5297.3	0	1055.1	5.6	2.03228	0.01537	11.453	0.08660	2.03627	11.4492	0.83692	0.00633	9.04304	9.04304	0.06838	7.2
LEXINGTO BK1	13.8	Bk1 tert	5	3	1.07	39638.1	0	947.4	16.8	34311.2	0.0	820.1	16.7	0.0	0	0	448.5	N/A	34311.2	0	820.1	16.7	0.01274	0.00669	0.21375	0.11224	0.01288	0.21395	0	0.00000	-5.00E+07	0.00000	0.00000	39.6
LEXINGTON	115	LEXI	5	3	1.06	21635.3	0	4309.4	8.9	20289.8	15200.7	4041.4	9	17845.0	17845	3554.5	9.3	9.3	18724.9	0	3729.7	8.8	0.36326	0.00275	3.24289	0.02452	0.37148	3.24611	0.52941	0.00400	5.31235	5.31235	0.04017	21.6
LEXINGTON	230	LEXI	5	3	1.06	17306.0	0	6894.2	8.8	16257.2	12747.5	6476.4	8.7	14635.0	14635	5830.2	8.6	8.6	14940.4	0	5951.8	8.7	0.91789	0.00174	8.12014	0.01535	0.95727	8.16738	1.45662	0.00275	12.5101	12.51010	0.02365	17.3
LIBBY	115	LIBY	15	3	1.04	6638.0	0	1322.2	14.6	7573.5	9837.4	1508.5	15	7924.4	7924.4	1578.4	15.2	15.2	5746.8	0	1144.7	14.9	0.7127	0.00539	10.4252	0.07883	0.68289	10.4343	0.32576	0.00246	5.34384	5.34384	0.04041	9.8
LIBBY	230	LIBY	15	3	1.05	7495.5	0	2986.0	16.5	9157.1	12799.3	3647.9	16.1	9530.7	9530.7	3796.7	16.2	16.2	6543.6	0	2606.8	16.8	1.11931	0.00212	18.4886	0.03495	1.0682	18.195	0.49738	0.00094	6.93541	6.93541	0.01311	12.8
LIBBY BK1	13.8	Bk1 tert	15	3	1.04	17346.2	0	414.6	20.7	15016.3	0.0	358.9	20.9	0.0	0	0	1232.2	N/A	15016.3	0	358.9	20.9	0.02319	0.01218	0.47924	0.25165	0.02266	0.47965	0	0.00000	-5.00E+07	0.00000	0.00000	17.3
LIBBY-FEC	115	LIBB	15	1	1.04	4319.0	0	860.3	5.5	4091.3	3276.0	814.9	5.7	3703.1	3703.1	737.6	5.9	5.9	3717.3	0	740.4	5.6	2.85213	0.02157	15.7862	0.11937	2.84451	15.99	3.67702	0.02780	23.5659	23.56590	0.17819	4.3
LIBBY-G1-2	230	LBPH	15	1	1.05	7244.8	0	2886.1	16.7	9076.6	12959.7	3615.9	17.8	9369.3	9369.3	3732.5	18	18	6324.9	0	2519.7	16.9	1.14708	0.00217	19.1291	0.03616	1.09533	18.8243	0.22367	0.00042	6.43233	6.43233	0.01216	13.0
LIBBY-G3-5	230	LBPH	15	1	1.05	7327.0	0	2918.9	16.9	9451.5	13850.6	3765.2	18.1	9664.0	9664	3849.9	18.2	18.2	6398.2	0	2548.9	17.1	1.12021	0.00212	18.9152	0.03576	1.06811	18.6051	0.17193	0.00033	5.51377	5.51377	0.01042	13.9
LIND115	115	LIND115	445	2	1.05	3951.3	0	787.0	1.8	3698.3	1820.2	736.6	2	2499.5	2499.5	497.9	2.6	2.6	3418.8	0	681	1.8	8.40457	0.06355	15.5193	0.11735	8.41027	15.5524	13.2765	0.10039	47.0317	47.03170	0.35563	4.0
Linneman	115	Lnmn	2	7	1.09	15901.8	0	3167.4	10.4	17477.0	18859.2	3481.2	7.9	17271.3	17271.3	3440.2	6.9	6.9	13766.1	0	2742	10.3	0.43727	0.00331	4.52639	0.03423	0.43902	4.5297	0.92744	0.00701	3.37429	3.37429	0.02551	18.9
Linneman	230	Lnmn	2	7	1.09	25997.7	0	10356.7	11.5	25418.4	22334.7	10126	10.6	23998.6	23998.6	9560.4	9.6	9.6	22485.0	0	8957.4	11.5	0.47922	0.00091	5.52676	0.01045	0.48575	5.54091	0.90081	0.00170	6.86436	6.86436	0.01298	26.0
LION MT	230	T 14/4.1	15	3	1.06	5806.7	0	2313.2	10.7	5383.5	3499.3	2144.7	10	4366.9	4366.9	1739.7	8.6	8.6	5028.0	0	2003	10.6	2.2648	0.00428	24.1292	0.04561	2.26806	24.1365	6.68878	0.01264	47.7577	47.75770	0.09028	5.8
LITTLE G	525	LIGO	18	3	1.02	25094.1	0	22818.7	23.5	23621.1	19266.2	21479.3	20	21199.3	21199.3	19277.1	16.3	16.3	21126.6	0	19211	22.8	0.52271	0.00019	12.2822	0.00446	0.58375	12.9849	1.56681	0.00057	18.3065	18.30650	0.00664	25.1
LITTLE G PH	525	LIPH	18	3	1.02	23536.6	0	21402.5	23.7	22194.0	18484.3	20181.6	20.7	20139.2	20139.2	18313.1	17.5	17.5	19816.9	0	18020	23	0.55309	0.00020	13.0928	0.00475	0.61772	13.8398	1.44605	0.00052	18.9382	18.93820	0.00687	23.5
LOCHNER	115	T 3/3	4	3	1.07	12147.4	0	2419.6	4.4	11367.8	7815.9	2264.3	4.5	9531.0	9531	1898.4	4.9	4.9	10539.6	0	2099.3	4.4	1.30543	0.00987	5.72009	0.04325	1.30164	5.69846	1.90774	0.01443	10.5557	10.55570	0.07982	12.1
LOCHNER-CPI	12.5	LCNR	4	1	1.07	6581.1	0	142.5	9.3	6663.1	6847.6	144.3	9.4	6712.5	6712.5	145.3	9.5	9.5	5700.0	0	123.4	9.3	0.1257	0.08045	1.17039	0.74905	0.12566	1.17014	0.11028	0.07058	1.10281	1.10281	0.70580	6.8
LOLO230	230	LOLO230	444	2	1.06	15218.5	0	6062.6	11.2	14637.1	12437.5	5831	10.7	13626.0	13626	5428.2	10	10	13119.0	0	5226.3	11.1	0.82338	0.00156	9.19946	0.01739	0.83752	9.2838	1.42801	0.00270	12.3094	12.30940	0.02327	15.2
LOMO	525	LOMO	20	3	1.02	30445.9	0	27685.2	24.0	28704.3	23001.7	26101.6	20.4	25643.2	25643.2	23318	16.3	16.3	25792.7	0	23454	23.4	0.42249	0.00015	10.1219	0.00367	0.46157	10.5717	1.32499	0.00048	15.323	15.32300	0.00556	30.4
LOMO PH	525	LMPH	20	1	1.02	28735.6	0	26130.0	24.4	27129.5	21947.6	24669.6	20.9	24373.9	24373.9	22163.8	17	17	24365.5	0	22156.2	23.9	0.43941	0.00016	10.7234	0.00389	0.47872	11.1805	1.30602	0.00047	15.9899	15.98990	0.00580	28.7
LONE PN-NVEC	11.95	LONE PNE	17	27	1.01	2404.8	0	49.8	3.8	2161.8	996.1	44.7	3.9	1408.9	1408.9	29.2	4.3	4.3	2082.6	0	43.1	3.8	0.74158	0.51930	2.81518	1.97138	0.74158	2.81519	1.88031	1.31672	8.89216	8.89216	6.22689	2.4
LONGVIEW	69	LONG	5	3	1.11	16098.2	0	1923.9	34.5	18873.7	25136.6	2255.6	30.2	19633.3	19633.3	2346.4	29.3	29.3	13945.9	0	1666.7	33.6	0.07995	0.00168	2.7569	0.05791	0.08392	2.75505	0.06757	0.00142	1.26847	1.26847	0.02664	25.1
LONGVIEW BK1	13.8	Bk1 tert	5	3	1.07	54111.4	0	1293.4	32.4	46879.1	460.9	1120.5	32	914.2	914.2	21.9	2835.5	2835.5	46871.3	0	1120.3	31.9	0.00484	0.00254	0.1569	0.08239	0.00499	0.15683	0	0.00000	27.5601	27.56010	14.47180	54.1
LONGVIEW NB	230	LNGV	5	3	1.07	35251.8	0	14043.3	14.7	33940.6	28795.9	13521	13.5	31761.3	31761.3	12652.8	12.3	12.3	30588.8	0	12185.7	13.7	0.27167	0.00051	4.0063	0.00757	0.31248	3.98766	0.50122	0.00095	5.33231	5.33231	0.01008	35.3
LONGVIEW S1	115	LONG	5	3	1.06	30177.2	0	6010.9	13.0	28476.1	22490.8	5672	12.7	25779.7	25779.7	5134.9	12.5	12.5	26140.9	0	5206.9	12.7	0.17968	0.00136	2.33213	0.01763	0.18638	2.33041	0.29131	0.00220	3.52522	3.52522	0.02666	30.2
LONGVIEW SB	230	LONG	5	3	1.07	35314.3	0	14068.2	14.8	33988.2	28742.2	13539.9	13.5	31755.0	31755	12650.3	12.2	12.2	30644.0	0	12207.7	13.7	0.2706	0.00051	3.99941	0.00756	0.31096	3.98059	0.5068	0.00096	5.34922	5.34922	0.01011	35.3
LOOKNIG GLS	69		71	9	1.09	3335.9	0	398.7	2.3	3112.1	1668.7	371.9	2.5	2228.1	2228.1	266.3	3.1	3.1	2887.6	0	345.1	2.3	5.15153	0.10820	11.9756	0.25154	5.15162	11.9894	7.88035	0.16552	31.6956	31.69560	0.66573	3.3
LOOKOT P	115	LKPT	4	3	1.08	10700.1	0	2131.3	6.8	10948.6	10930.2	2180.8	7.6	10619.4	10619.4	2115.2	8.5	8.5	9094.6	0	1811.5	6.7	0.97337	0.00736	6.64412	0.05024	1.04431	6.89033	0.36669	0.00277	6.62324	6.62324	0.05008	10.9
LOOKOT PH	115	LOPH	4	3	1.08	10535.3	0	2098.5	6.8	10903.5	11116.3	2171.8	7.7	10621.2	10621.2	2115.6	8.6	8.6	8951.9	0	1783.1	6.7	0.98919	0.00748	6.74573	0.05101	1.0629	6.99952	0.29222	0.00221	6.40695	6.40695	0.04845	11.1
LOONLAKETAP	115	T 30/4	16	3	1.06	5454.5	0	1086.5	10.8	4923.1	2423.3	980.6	10.2	3356.4	3356.4	668.5	8.3	8.3	4723.8	0	940.9	10.8	1.18998	0.00900	12.8439	0.09712	1.19026	12.8434	5.13965	0.03886	36.7488	36.74880	0.27787	5.5
LOPEZ CKT 3	69	LOPZ	9	3	1.07	3642.4	0	435.3	5.6	3835.3	3665.9	458.4	4.7	3659.7	3659.7	437.4	4.1	4.1	3153.3	0	376.9	5.6	2.06769	0.04343	11.5431	0.24245	2.0686	11.5509	4.11524	0.08644	10.934	10.93400	0.22966	3.8
LOPEZ IS	69	LOPZ	9	3	1.07	5174.9	0	618.5	6.5	6010.1	7385.7	718.3	7.7	6086.8	6086.8	727.4	8.2	8.2	4479.5	0	535.3	6.5	1.24887	0.02623	8.15905	0.17137	1.24978	8.16682	0.06	0.00126	4.57061	4.57061	0.09600	7.4
LOPEZ IS	115	LOPZ	9	3	1.07	6883.5	0	1371.1	3.0	6411.8	4014.3	1277.1	2.9	5068.7	5068.7	1009.6	2.6	2.6	5955.2	0	1186.2	3	3.29942	0.02495	9.79702	0.07408	3.30195	9.81858	8.50855	0.06434	19.698	19.69800	0.14895	6.9
LOST RVR	69	LRIV	24	3	1.09	3095.7	0	370.0	13.6	3011.7	2585.1	359.9	12.4	2817.3	2817.3	336.7	11	11	2680.6	0	320.4	13.5	1.02946	0.02162	13.9577	0.29317	1.03257	13.962	2.11025	0.04432	18.0274	18.02740	0.37865	3.1
LOST RVR	230	LRIV	24	3	1.09	2820.8	0	1123.7	6.2	2625.3	1755.7	1045.9	5.9	2163.6	2163.6	861.9	5.4	5.4	2441.6	0	972.7	6.2	8.18005	0.01546	50.5321	0.09552	8.2146	50.5791	20.1842	0.03816	95.7361	95.73610	0.18098	2.8
LOUPLOUP-OKP	115	T-104	17	16	1.06	3146.8	0	626.8	2.0	2948.2	1528.3	587.2	2.1	2063.4	2063.4	411	2.7	2.7	2725.1	0	542.8	2	10.0236	0.07579	19.884	0.15035	10.0237	19.8866	15.4742	0.11701	55.714	55.71400	0.42128	3.1
LOWER GR	525	LOGT	18	3	1.02	20814.0	0	18926.7	21.5	19681.3	16499.9	17896.7	19.2	17949.4	17949.4	16321.9	16.6	16.6	17571.2	0	15977.9	21	0.68746	0.00025	14.8121	0.00537	0.75654	15.5764	1.65162	0.00060	21.1019	21.10190	0.00766	20.8
LOWER GR PH	525	LGPH	18	1	1.02	20314.3	0	18472.4	21.5	19239.0	16339.8	17494.5	19.5	17662.0	17662	16060.5	17.2	17.2	17150.9	0	15595.8	21	0.70425	0.00026	15.1755	0.00551	0.77475	15.9557	1.56444	0.00057	21.1999	21.19990	0.00769	20.3
LYLE-KPUD	115		22	18	1.07	5860.7	0	1167.4	3.1	5387.7	2889.8	1073.2	3.3	3874.8	3874.8	771.8	3.8	3.8	5077.0	0	1011.3	3.1	3.68473	0.02786	11.576	0.08753	3.68466	11.5686	6.53398	0.04941	30.1966	30.19660	0.22833	5.9
LYNCH CREEK	12.5	LYNC	8	3	1.06	8336.7	0	180.5	17.3	8617.0	9179.3	186.6	18.6	8735.4	8735.4	189.1	19.8	N/A	7217.6	0	156.3	17.2	0.05284	0.03382	0.91618	0.58636	0.05388	0.91667	0.02603	0.00000	0.79123	0.00000	0.00000	9.2
LYNCH CREEK	115	LYNC	8	3	1.06	6507.3	0	1296.2	4.7	6092.3	4124.5	1213.5	4.8	5036.7	5036.7	1003.2	5.4	5.4	5620.2	0	1119.5	4.6	2.26931	0.01716	10.5757	0.07997	2.35734	10.6168	3.03599	0.02296	20.0248	20.02480	0.15142	6.5
LYONS	69		71	9	1.07	4283.8	0	512.0	10.3	4275.8	3967.6	511	9.4	4120.4	4120.4	492.4	8.5	8.5	3709.8	0	443.4	10.3	0.96523	0.02027	9.934	0.20865	0.96552	9.93438	1.71837	0.03609	11.0469	11.04690	0.23203	4.3
MABTON	12.47	MBTN	25	3	1.06	6377.6	0	137.7	18.7	6823.5	7633.1	147.4	15.7	6950.0	6950	150.1	14.4	N/A	5523.1	0	119.3	18.7	0.06378	0.04102	1.19183	0.76645	0.06378	1.19186	0.10076	0.00000	0.89403	0.00000	0.00000	7.6
MABTON	230	T 26/5	25	3	1.06	7560.9	0	3012.1	9.3	7048.8	5124.8	2808	9.1	6107.3	6107.3	2433	8.9	8.9	6546.1	0	2607.8	9.3	1.99149	0.00376	18.4614	0.03490	1.9924	18.4719	3.73202	0.00705	31.5982	31.59820	0.05973	7.6
MACKAY	69		24	37	1.09	1352.6	0	161.6	2.5	1262.6	725.9	150.9	2.6	945.9	945.9	113	3.1	3.1	1171.3	0	140	2.5	11.866	0.24923	29.7566	0.62501	11.8691	29.7608	18.1932	0.38213	71.3566	71.35660	1.49877	1.4
MACKAY LRE	69		24	1	1.09	1350.0	0	161.3	2.5	1260.4	725.2	150.6	2.6	944.7	944.7	112.9	3.1	3.1	1169.0	0	139.7	2.5	11.9136	0.25023	29.8042	0.62601	11.9167	29.8084	18.2408	0.38313	71.4042	71.40420	1.49977	1.4
MACKAY TAP	69	ROUND VL	24	37	1.09	2065.0	0	246.8	11.8	1934.3	1426.2	231.2	11.4	1687.0	1687	201.6	10.7	10.7	1788.2	0	213.7	11.8	1.77835	0.03735	20.9186	0.43937	1.78147	20.9228	3.60603	0.07574	34.92	34.92000	0.73346	2.1
MACKS IN BK1	46	MKIN	24	3	1.05	1322.7	0	105.4	8.4	1500.2	1821.9	119.5	9.9	1524.8	1524.8	121.5	10.5	10.5	1139.1	0	90.8	8.4	2.49454	0.11789	20.8554	0.98560	2.51541	21.0882	0.18735	0.00885	12.4695	12.46950	0.58930	1.8
MACKS IN BK2	46	MKIN	24	3	1.05	1135.3	0	90.5	8.8	1326.2	1685.4	105.7	10.4	1356.1	1356.1	108	10.7	10.7	982.5	0	78.3	8.8	2.76472	0.13066	24.4651	1.15620	2.79055	24.4991	0.18456	0.00872	12.6041	12.60410	0.59566	1.7
MACKS INN	115	MKIN	24	3	1.05	1316.7	0	262.3	2.9	1455.1	1494.8	289.8	3.4	1400.9	1400.9	279	3.8	3.8	1137.6	0	226.6	2.9	17.1748	0.12987	50.0641	0.37856	17.3353	50.2756	3.7044	0.02801	43.9215	43.92150	0.33211	1.5
MADISON	46	MADI	24	3	1.05	1232.8	0	98.2	6.2	1270.5	1234.0	101.2	7	1233.2	1233.2	98.3	8.1	8.1	1066.8	0	85	6.2	3.5767	0.16903	22.328	1.05520	3.60238	22.3619	1.16901	0.05525	22.6124	22.61240	1.06864	1.3
MADISON	115	MADI	24	3	1.05	1064.3	0	212.0	3.2	1127.3	1059.7	224.5	3.7	1062.8	1062.8	211.7	4.3	4.3	920.0	0	183.2	3.2	19.3977	0.14667	62.54	0.47289	19.5582	62.7516	5.52724	0.04179	66.3281	66.32810	0.50154	1.1
MAEVALLEYPUD	230		17	21	1.05	9687.8	0	3859.4	7.6	8931.2	5634.5	3557.9	7.3	7121.3	7121.3	2836.9	6.6	6.6	8384.5	0	3340.1	7.6	1.87909	0.00355	14.3197	0.02707	1.87967	14.3385	5.08586	0.00961	29.6171	29.61710	0.05599	9.7
MALIN	69		71	9	1.04	9288.6	0	1110.1	29.0	11567.0	16219.1	1382.4	20.5	11476.8	11476.8	1371.6	21.1	21.1	7813.4	0	933.8	29.8	0.15388	0.00323	4.45822	0.09364	0.154	4.72187	0.20496	0.00430	1.63879	1.63879	0.03442	16.2
MALIN	230		77	9	1.04	14176.2	0	5647.4	20.3	14841.9	16277.8	5912.6	17.8	15030.6	15030.6	5987.8	16.4	16.4	12175.4	0	4850.4	20.2	0.48087	0.00091	9.76447	0.01846	0.49397	9.92706	0.70958	0.00134	7.9189	7.91890	0.01497	16.3
MALIN NORTH	525	MALN	26	3	1.03	29103.9	0	26464.9	11.0	25975.6	11673.7	23620.3	10.3	16584.9	16584.9	15081.1	8.3	8.3	25081.7	0	22807.5	10.8	0.97763	0.00035	10.7328	0.00389	1.02042	10.8349	4.76542	0.00173	34.7646	34.76460	0.01261	29.1
MALN1 CP	525		26	51	1.03	29301.7	0	26644.8	2.0	27519.0	11685.3	25023.8	1.9	18308.8	18309.4	16648.7	2.1	2.1	25761.3	0	23425.4	1.8	1.97368	0.00072	-10.298	-0.00374	2.03294	-10.171	4.91469	0.00178	16.7289	16.72890	0.00607	29.3
MALN2 CP2	525		77	9	1.03	28768.8	0	26160.2	1.7	27286.5	11497.5	24812.4	1.6	18261.5	18262	16605.6	1.7	1.7	25208.8	0	22923	1.5	2.43018	0.00088	-16.515	-0.00599	2.49347	-16.379	5.02148	0.00182	12.4142	12.41420	0.00450	28.8
MALOTT*-OKP	115	T-106	17	16	1.06	5012.9	0	998.5	2.6	4645.2	2429.2	925.2	2.7	3277.5	3277.5	652.8	3.3	3.3	4340.9	0	864.7	2.6	5.08741	0.03847	13.0314	0.09854	5.0873	13.0337	8.27774	0.06259	35.4149	35.41490	0.26779	5.0
MAPLE VL BK1	13.8	Bk1 tert	8	3	1.05	9241.0	0	220.9	177.4	8001.9	0.0	191.3	176.9	0.0	0	0	19443	N/A	8001.9	0	191.3	176.9	0.00509	0.00267	0.90369	0.47453	0.00513	0.90393	0	0.00000	-5.00E+07	0.00000	0.00000	9.2
MAPLE VL BK1	345	MPVL	8	3	1.09	11693.5	0	6987.6	21.1	11542.2	10976.5	6897.2	19.9	11278.6	11278.6	6739.6	18.8	18.8	10086.4	0	6027.2	20.9	0.88215	0.00074	18.5759	0.01561	0.90348	18.7245	1.2871	0.00108	20.4612	20.46120	0.01719	11.7
MAPLE VL BK2	34.5	Bk2 tert	8	3	1.04	28199.9	0	1685.1	41.0	24395.7	0.0	1457.8	40.8	0.0	0	0	3672.7	N/A	24395.7	0	1457.8	40.8	0.01797	0.00151	0.73694	0.06191	0.01817	0.73851	0	0.00000	-5.00E+07	0.00000	0.00000	28.2
MAPLE VL BK2	525	MPVL	8	3	1.04	22167.1	0	20157.1	17.4	20690.0	15171.7	18814	16.2	17897.6	17897.6	16274.8	14.2	14.2	19071.8	0	17342.5	17.2	0.81918	0.00030	14.2422	0.00517	0.85199	14.4283	2.05047	0.00074	24.2051	24.20510	0.00878	22.2
MAPLE VL SVC	20	MPVL	8	3	1.07	68918.1	0	2387.4	38.5	59609.5	176.6	2064.9	38.3	351.9	351.9	12.2	125.7	125.7	59607.8	0	2064.9	38.2	0.00467	0.00117	0.17971	0.04493	0.00474	0.18017	0.83097	0.20774	105.257	105.25700	26.31425	68.9
MAPLETON	12.5	MAPL	6	3	1.08	8058.8	0	174.5	10.4	8397.3	8982.8	181.8	11.2	8495.4	8495.4	183.9	12	N/A	6978.2	0	151.1	10.4	0.09292	0.05947	0.96663	0.61864	0.09296	0.96686	0.04448	0.00000	0.82041	0.00000	0.00000	9.0
MAPLETON	34.5	MAPL	6	3	1.08	1190.7	0	71.1	11.4	1207.7	1235.3	72.2	11.8	1212.5	1212.5	72.5	12.1	12.1	1031.1	0	61.6	11.4	1.58513	0.13318	18.071	1.51825	1.58547	18.0728	1.2162	0.10218	17.1163	17.11630	1.43804	1.2
MAPLETON	115	MAPL	6	3	1.08	5522.4	0	1100.0	3.0	5255.2	3627.1	1046.8	3.2	4378.9	4378.9	872.2	3.6	3.6	4778.8	0	951.9	3	4.09925	0.03100	12.376	0.09358	4.10307	12.3959	4.85829	0.03674	22.7924	22.79240	0.17234	5.5
MAPLVLY(MB1)	230	MPVL	8	3	1.09	39477.2	0	15726.6	13.7	39408.0	38530.5	15699	12.7	38617.9	38617.9	15384.3	11.8	11.8	33851.7	0	13485.6	13.6	0.26767	0.00051	3.67334	0.00694	0.27812	3.74599	0.40984	0.00077	3.83525	3.83525	0.00725	39.5
MAPLVLY(MB3)	230	MPVL	8	3	1.09	42324.4	0	16860.9	15.2	42885.1	44284.3	17084.2	14.3	42883.4	42883.4	17083.5	13.6	13.6	36314.5	0	14466.7	15	0.22545	0.00043	3.42759	0.00648	0.23458	3.49137	0.28324	0.00054	3.22452	3.22452	0.00610	44.3
MARCOLA	230	T 47/4	4	3	1.08	10348.6	0	4122.6	8.8	9466.4	5609.6	3771.1	8.5	7267.0	7267	2895	7.4	7.4	8950.7	0	3565.7	8.8	1.55566	0.00294	13.7354	0.02596	1.56146	13.7703	4.74052	0.00896	31.0241	31.02410	0.05865	10.3
MARION N	525	MARN	3	3	1.03	21667.3	0	19702.6	17.7	20118.6	12989.9	18294.4	15.3	16205.9	16206	14736.5	11.3	11.3	18717.0	0	17019.9	17.5	0.81319	0.00030	14.3683	0.00521	0.83349	14.4401	3.42414	0.00124	28.6917	28.69170	0.01041	21.7
MARTINDALE T	115	T 4/6	20	3	1.02	20566.9	0	4096.6	14.4	18985.9	11863.3	3781.7	13.2	15031.9	15031.9	2994.1	10.5	10.5	17789.9	0	3543.5	14.4	0.22817	0.00173	3.28954	0.02487	0.2288	3.29749	0.83068	0.00628	6.88638	6.88638	0.05207	20.6
MARTN CR	115	MNCR	4	3	1.07	5614.1	0	1118.2	16.5	5844.4	6357.5	1164.1	15.5	5959.9	5959.9	1187.1	14.9	14.9	4859.6	0	968	16.5	0.76785	0.00581	12.6605	0.09573	0.76947	12.6729	0.86668	0.00655	10.4293	10.42930	0.07886	6.4
MARTN CR	230	MNCR	4	3	1.07	7467.1	0	2974.7	7.4	6937.2	4966.5	2763.6	7.5	5957.6	5957.6	2373.4	7.6	7.6	6458.3	0	2572.8	7.4	2.55209	0.00482	18.8983	0.03572	2.55858	18.9477	4.18697	0.00791	33.2534	33.25340	0.06286	7.5
MARTN CR BK1	13.8	Bk1 tert	4	3	1.07	12430.4	0	297.1	26.5	10763.7	0.0	257.3	26.4	0.0	0	0	2219.4	N/A	10763.7	0	257.3	26.4	0.02597	0.01364	0.68695	0.36072	0.02599	0.68713	0	0.00000	-5.00E+07	0.00000	0.00000	12.4
MARTN CR TAP	230	T 20/2-3	4	3	1.07	7552.2	0	3008.6	7.4	7014.3	5022.4	2794.3	7.5	6024.9	6024.9	2400.2	7.6	7.6	6531.7	0	2602.1	7.4	2.51505	0.00475	18.6866	0.03532	2.52154	18.736	4.15595	0.00786	32.883	32.88300	0.06216	7.6
MASSACTS	230	MASSACTS	8	14	1.10	28086.6	0	11188.9	9.3	26795.5	22376.4	10674.6	9.1	24743.5	24743.5	9857.1	8.7	8.7	24161.7	0	9625.3	9.3	0.55184	0.00104	5.14953	0.00973	0.56164	5.21834	0.89687	0.00170	7.15344	7.15344	0.01352	28.1
MAUPIN	69	MOPN	22	3	1.07	2374.1	0	283.7	12.2	2379.9	2289.0	284.4	13.2	2331.0	2331	278.6	14.6	14.6	2056.0	0	245.7	12.2	1.46538	0.03078	17.8345	0.37460	1.46565	17.8351	0.79919	0.01679	18.8804	18.88040	0.39656	2.4
MAUPIN	230	MOPN	22	3	1.07	7339.4	0	2923.8	9.0	6629.7	3383.7	2641.1	8.6	4630.7	4630.7	1844.7	7.4	7.4	6353.6	0	2531.1	9	2.14639	0.00406	19.2781	0.03644	2.14803	19.2929	8.00301	0.01513	52.8352	52.83520	0.09988	7.3
MAY ST CCL	69		10	1	1.06	6362.6	0	760.4	5.1	5513.3	850.5	658.9	5.1	1493.9	1493.9	178.5	5.7	5.7	5485.9	0	655.6	5.1	1.27549	0.02679	6.53907	0.13735	1.29229	6.5958	12.0837	0.25381	70.7219	70.72190	1.48544	6.4
MAYFIELD	230	MAYFIELD	40	466	1.06	9863.9	0	3929.5	9.0	9907.5	9395.3	3946.9	9.3	9727.4	9727.4	3875.1	9.8	9.8	8633.5	0	3439.3	8.7	1.57688	0.00298	14.224	0.02689	1.64027	13.9131	1.21974	0.00231	15.172	15.17200	0.02868	9.9
MAYVIEW	69	MAYVIEW	18	1	1.08	565.8	0	67.6	4.5	545.6	466.4	65.2	4.5	511.3	511.3	61.1	4.6	4.6	490.0	0	58.6	4.5	16.6139	0.34896	74.2805	1.56019	16.6145	74.2835	20.0348	0.42081	98.439	98.43900	2.06761	0.6
MAYVIEW-INLD	13.8	MAYVIEW	18	1	1.08	1302.0	0	31.1	9.9	1502.1	1869.8	35.9	11.9	1535.6	1535.6	36.7	12.6	12.6	1127.6	0	27	9.9	0.66456	0.34896	6.58196	3.45619	0.66458	6.58208	0	0.00000	3.61074	3.61074	1.89600	1.9
MC PHS 1	230	MCPH	23	1	1.05	34986.4	0	13937.6	15.6	34209.5	31653.7	13628.1	14.2	32755.8	32755.8	13049	13	13	29856.5	0	11894	15.3	0.25454	0.00048	3.95979	0.00749	0.27116	4.07662	0.45298	0.00086	4.64042	4.64042	0.00877	35.0
MC PHS 2	230	MCPH	23	1	1.05	34899.5	0	13903.0	15.3	34118.9	31578.9	13592	14.1	32676.7	32676.7	13017.5	12.8	12.8	29782.6	0	11864.6	15	0.2593	0.00049	3.96939	0.00750	0.27601	4.0864	0.45556	0.00086	4.65095	4.65095	0.00879	34.9
MC PHS 3	230	MCPH	23	1	1.05	33055.9	0	13168.5	16.5	32573.2	30972.9	12976.2	14.9	31417.9	31417.9	12516	13.4	13.4	28118.3	0	11201.5	16.3	0.25523	0.00048	4.20501	0.00795	0.26977	4.35692	0.46127	0.00087	4.69858	4.69858	0.00888	33.1
MC PHS 4	230	MCPH	23	1	1.05	33095.3	0	13184.2	16.5	32608.3	31007.0	12990.2	14.9	31453.2	31453.2	12530.1	13.5	13.5	28151.2	0	11214.7	16.3	0.25521	0.00048	4.19998	0.00794	0.26976	4.35188	0.45977	0.00087	4.69379	4.69379	0.00887	33.1
MC PHS 5	230	MCPH	23	1	1.05	33042.5	0	13163.2	17.6	33038.2	33327.7	13161.5	16.2	32547.3	32547.3	12965.9	15.1	15.1	28061.7	0	11179	17.4	0.23865	0.00045	4.2073	0.00795	0.25505	4.37301	0.35519	0.00067	4.22611	4.22611	0.00799	33.3
MC PHS 6	115	MC PHS 6	23	1	1.04	23090.6	0	4599.3	17.3	22762.3	21570.2	4533.9	16.2	22117.4	22117.4	4405.5	15.1	15.1	19828.2	0	3949.5	17.2	0.17171	0.00130	2.97807	0.02252	0.17695	3.02865	0.26791	0.00203	3.31572	3.31572	0.02507	23.1
MCCULL-T	115	MCCULL-T	40	466	1.07	12674.6	0	2524.6	5.2	11462.1	6440.4	2283.1	5.3	8490.1	8490.1	1691.1	5.7	5.7	10910.3	0	2173.2	5.2	1.0554	0.00798	5.50793	0.04165	1.07675	5.57315	2.22038	0.01679	13.6556	13.65560	0.10326	12.7
MCKENZIE TAP	230	MCKENZIE	4	20	1.08	14012.3	0	5582.1	12.0	13532.1	11670.0	5390.8	11.5	12705.6	12705.6	5061.5	10.8	10.8	12107.1	0	4823.1	12	0.85131	0.00161	10.2186	0.01932	0.85719	10.2655	1.41264	0.00267	13.2979	13.29790	0.02514	14.0
MCKENZIE.ALC	230	MCKENZIE	17	13	1.06	20187.1	0	8042.0	10.4	19406.9	16840.7	7731.1	10.5	18301.5	18301.5	7290.8	10.7	10.7	17424.2	0	6941.3	10.4	0.66572	0.00126	6.92734	0.01310	0.66961	6.97384	0.8	0.00151	9.02843	9.02843	0.01707	20.2
MCKENZIN	115	MCKENZIE	17	13	1.07	34049.4	0	6782.2	11.2	34010.2	31040.6	6774.4	9.7	32363.3	32363.3	6446.3	8.4	8.4	29374.2	0	5850.9	11.2	0.1866	0.00141	2.08289	0.01575	0.18778	2.09901	0.40602	0.00307	2.37236	2.37236	0.01794	34.0
MCKENZIS	115	MCKENZIE	17	13	1.07	34035.7	0	6779.4	11.2	33997.4	31032.1	6771.8	9.7	32352.5	32352.5	6444.2	8.4	8.4	29362.4	0	5848.6	11.2	0.1866	0.00141	2.08374	0.01576	0.18778	2.09985	0.406	0.00307	2.3729	2.37290	0.01794	34.0
Mclo Bige	230	Mclo	2	7	1.09	31126.7	0	12400.0	13.5	30085.6	25302.7	11985.3	12.4	27890.8	27890.8	11110.9	11	11	26931.1	0	10728.6	13.4	0.34294	0.00065	4.62329	0.00874	0.34851	4.63165	0.71155	0.00135	6.20315	6.20315	0.01173	31.1
Mclo Ostd	230	Mclo	2	7	1.09	31141.0	0	12405.7	13.5	30100.0	25315.5	11991	12.4	27904.3	27904.3	11116.3	11	11	26943.5	0	10733.5	13.4	0.34277	0.00065	4.62116	0.00874	0.34834	4.62953	0.71141	0.00134	6.19989	6.19989	0.01172	31.1
MCMINN BK3	12.5	MCMI	3	1	1.09	8822.9	0	191.0	14.2	8958.1	9268.6	193.9	14.5	9040.2	9040.2	195.7	14.8	N/A	7640.8	0	165.4	14.2	0.06268	0.04012	0.89309	0.57158	0.0627	0.89311	0.05119	0.00000	0.82916	0.00000	0.00000	9.3
MCMINN BK4	12.5	MCMI	3	1	1.09	7025.5	0	152.1	17.9	7111.6	7304.7	154	18.4	7162.3	7162.3	155.1	18.8	18.8	6084.2	0	131.7	17.9	0.06256	0.04004	1.12261	0.71847	0.06258	1.12262	0.05106	0.03268	1.05867	1.05867	0.67755	7.3
MCMINVIL	115	MCMI	3	3	1.09	13217.3	0	2632.7	5.6	12004.2	6576.4	2391.1	5.7	8782.6	8782.6	1749.4	6.3	6.3	11445.0	0	2279.7	5.6	0.97309	0.00736	5.41141	0.04092	0.97475	5.41264	1.95174	0.01476	13.6913	13.69130	0.10353	13.2
MCNARY BK10	69	MCNY	23	3	0.90	3997.6	0	477.8	8.4	3785.9	2887.1	452.5	9.1	3331.3	3331.3	398.1	10.7	10.7	3439.1	0	411	8.5	1.06471	0.02236	8.93865	0.18775	1.04173	9.06242	0.90753	0.01906	14.2659	14.26590	0.29964	4.0
MCNARY BK11	13.8	Bk11 Ter	23	3	1.04	13225.4	0	316.1	40.7	11448.2	0.0	273.6	40.7	0.0	0	0	3107.4	N/A	11448.2	0	273.6	40.7	0.01534	0.00806	0.62482	0.32809	0.01539	0.6254	0	0.00000	-5.00E+07	0.00000	0.00000	13.2
MCNARY BK11	230	MCNY	23	3	1.05	40901.2	0	16293.9	25.0	40710.8	39669.0	16218	21.1	39665.9	39665.9	15801.8	18.2	18.2	34879.4	0	13895	24.1	0.13562	0.00026	3.39103	0.00641	0.15006	3.49602	0.28965	0.00055	3.59547	3.59547	0.00680	40.9
MCNARY BK2	230	MCNY	23	3	1.05	41555.6	0	16554.6	26.2	42549.8	45500.3	16950.6	22.8	42593.4	42593.4	16968	20.7	20.7	35282.3	0	14055.5	25.5	0.12786	0.00024	3.34952	0.00633	0.13973	3.48329	0.20602	0.00039	2.96661	2.96661	0.00561	45.5
MCNARY BK8	13.2	Bk8 tert	23	3	1.05	9334.9	0	213.4	1667.1	8082.0	0.0	184.8	1602.8	0.0	0	0	167043	N/A	8082.0	0	184.8	1602.8	0.00051	0.00029	0.85566	0.49108	0.00055	0.85613	0	0.00000	-5.00E+07	0.00000	0.00000	9.3
MCNARY BK8	230	MCNY	23	3	1.05	41335.4	0	16466.8	21.3	42586.1	46405.9	16965.1	19.3	42855.4	42855.4	17072.4	18	18	35081.0	0	13975.3	20.9	0.1577	0.00030	3.36515	0.00636	0.17045	3.50232	0.21184	0.00040	2.86562	2.86562	0.00542	46.4
MCNARY BK8	345	MCNY	23	3	1.05	11235.3	0	6713.7	27.4	11212.6	11219.3	6700.2	26.3	11146.5	11146.5	6660.7	25.4	25.4	9659.8	0	5772.3	27	0.67994	0.00057	18.6069	0.01563	0.70754	18.8767	0.83106	0.00070	18.7755	18.77550	0.01577	11.2
MCNARY BK9	13.2	Bk9 tert	23	3	1.04	5026.6	0	114.9	293.2	4352.5	0.0	99.5	292	0.0	0	0	4097895.5	N/A	4352.5	0	99.5	292	0.00536	0.00308	1.57183	0.90211	0.00541	1.57234	0	0.00000	-4.90E+05	0.00000	0.00000	5.0
MCNARY NORTH	525	MCNY	23	3	1.01	29047.1	0	26413.3	24.4	28094.9	24860.0	25547.5	21.6	26484.7	26484.7	24083.2	18.7	18.7	24865.3	0	22610.7	23.7	0.43089	0.00016	10.5166	0.00382	0.46617	10.761	0.95118	0.00035	13.3044	13.30440	0.00483	29.0
MCNARY(SEC1)	115	MCNY	23	3	1.04	33448.3	0	6662.4	24.0	34204.0	36543.4	6813	23	34626.3	34626.3	6897.1	22.2	22.2	28716.6	0	5719.9	23.8	0.08577	0.00065	2.06036	0.01558	0.08921	2.09623	0.09397	0.00071	1.81333	1.81333	0.01371	36.5
MCNARY(SEC1)	230	MCNY	23	3	1.05	43890.7	0	17484.8	23.3	44686.6	47323.0	17801.9	21.1	44800.8	44800.8	17847.4	19.6	19.6	37387.7	0	14894.2	22.5	0.1358	0.00026	3.16003	0.00597	0.15029	3.26488	0.18824	0.00036	2.85908	2.85908	0.00540	47.3
MCNARY(SEC2)	230	MCNY	23	3	1.05	41883.3	0	16685.1	25.7	43287.9	47567.0	17244.7	22.9	43652.9	43652.9	17390.1	21.2	21.2	35540.6	0	14158.4	25.1	0.1291	0.00024	3.32247	0.00628	0.14107	3.45894	0.18037	0.00034	2.77853	2.77853	0.00525	47.6
MCNARY9 SS	13.2	MCNY	23	3	1.04	1149.8	0	26.3	1281.9	995.7	0.0	22.8	1276.5	0.0	0	0	-126658474	N/A	995.7	0	22.8	1276.5	0.00536	0.00308	6.87187	3.94391	0.00541	6.87238	0	0.00000	-4.90E+05	0.00000	0.00000	1.1
MDONEEN-DOGW	115		17	15	1.07	11325.5	0	2255.9	11.5	10371.1	6026.5	2065.8	10.7	7857.5	7857.5	1565.1	8.7	8.7	9794.4	0	1950.9	11.5	0.54051	0.00409	6.23569	0.04715	0.54206	6.25314	1.99977	0.01512	14.3997	14.39970	0.10888	11.3
MEAD TAP	115	T 4/7	16	3	1.07	15405.0	0	3068.4	9.2	14087.1	8660.7	2806	9	11080.1	11080.1	2207	8.4	8.4	13331.4	0	2655.4	9.2	0.49831	0.00377	4.60387	0.03481	0.49885	4.61057	1.28503	0.00972	9.96502	9.96502	0.07535	15.4
MERDIAN-PP&L	525		77	9	1.03	10782.7	0	9805.0	10.5	10521.8	8869.5	9567.7	12.2	9743.0	9743.4	8859.6	11	11	9418.3	0	8564.3	13	2.15903	0.00078	28.5793	0.01037	2.25054	28.8748	4.34372	0.00158	38.6274	38.62740	0.01401	10.8
MERID C-PP&L	525	MERIDIAN	77	9	1.03	11240.7	0	10221.5	4.6	11075.5	9920.8	10071.2	4.4	10496.0	10496.4	9544.3	4.2	4.2	9936.5	0	9035.5	4.4	2.40294	0.00087	20.328	0.00738	2.53677	20.7455	3.82357	0.00139	23.819	23.81900	0.00864	11.2
MERIDIAN	230		77	9	1.03	15556.8	0	6197.4	15.8	17334.0	21466.2	6905.4	14.4	17896.8	17896.8	7129.6	13.9	13.9	13364.9	0	5324.2	15.7	0.55733	0.00105	8.79641	0.01663	0.57434	8.93758	0.51314	0.00097	5.1919	5.19190	0.00981	21.5
MERWIN	115	MERWIN	70	9	1.06	11114.9	0	2213.9	6.8	12059.5	13821.5	2402.1	7.4	12321.5	12321.5	2454.3	7.7	7.7	9624.2	0	1917	6.8	0.91836	0.00694	6.27134	0.04742	0.9222	6.27283	0.36406	0.00275	4.46622	4.46622	0.03377	13.8
MESA	115	T 15/1.1	20	3	1.04	4648.6	0	925.9	3.6	4201.5	1926.8	836.9	3.7	2721.1	2721.1	542	4.5	4.5	4018.7	0	800.5	3.6	3.95308	0.02989	14.2619	0.10784	3.96299	14.3139	8.51189	0.06436	45.473	45.47300	0.34384	4.6
MET CHIP	115	METCHIP1	445	2	1.05	7810.5	0	1555.7	7.0	7044.1	3779.8	1403.1	7	5108.7	5108.7	1017.6	7.1	7.1	6783.2	0	1351.1	7	1.26155	0.00954	8.79587	0.06651	1.25266	8.74671	3.18282	0.02407	22.8135	22.81350	0.17250	7.8
MET FAL TAP	115	T 34/5	16	3	1.03	8082.0	0	1609.8	10.5	7586.9	5728.8	1511.2	10	6653.7	6653.7	1325.3	9.1	9.1	6945.1	0	1383.4	10.4	0.7993	0.00604	8.39001	0.06344	0.82376	8.51968	1.74484	0.01319	13.6166	13.61660	0.10296	8.1
MIDPOINT	345	MIDPOINT	24	26	1.09	18646.2	0	11142.2	7.9	18953.9	19520.9	11326.1	7.6	19019.0	19019	11364.9	7.4	7.4	16101.5	0	9621.6	7.8	1.46654	0.00123	11.563	0.00971	1.51843	11.6244	1.63396	0.00137	10.7816	10.78160	0.00906	19.5
MIDPOINT CAP	525	MPSN	1	26	1.04	7906.9	0	7190.0	12.3	7937.4	7947.6	7217.7	11.9	7911.9	7911.9	7194.5	11.5	11.5	6834.3	0	6214.6	12.1	3.22504	0.00117	29.8248	0.01082	39.7901	3.3507	39.9353	0.01449	3.80241	3.80241	0.00138	7.9
MPSN 501 CAP	525	MPSN	3	26	1.04	7904.0	0	7187.3	12.3	7934.3	7943.8	7214.8	11.9	7908.6	7908.6	7191.5	11.5	11.5	6831.8	0	6212.4	12.1	3.22473	0.00117	39.8049	0.01444	3.35037	39.9501	3.80294	0.00138	39.5311	39.53110	0.01434	7.9
MIDWAY	115	MIDW	25	3	1.03	11853.5	0	2361.0	8.0	13285.3	16060.1	2646.2	9	13634.6	13634.6	2715.8	9.4	9.4	10259.4	0	2043.5	8	0.71517	0.00541	5.74361	0.04343	0.71551	5.75039	0.17452	0.00132	3.51601	3.51601	0.02659	16.1
MIDWAY B3 SS	13.8	MIDW	25	3	0.98	1962.3	0	46.9	493.7	1699.4	0.0	40.6	493.6	0.0	0	0	34420049	N/A	1699.4	0	40.6	493.6	0.0081	0.00425	3.99711	2.09888	0.0081	3.9972	0	0.00000	-4.90E+05	0.00000	0.00000	2.0
MIDWAY BK3	13.8	Bk3 tert	25	3	0.98	46883.5	0	1120.6	20.6	40591.2	0.0	970.2	20.6	0.0	0	0	28389	N/A	40591.2	0	970.2	20.6	0.0081	0.00425	0.1671	0.08774	0.0081	0.16719	0	0.00000	-4.90E+05	0.00000	0.00000	46.9
MIDWAY(MB2)	230	MIDW	25	3	1.05	27334.9	0	10889.5	11.3	26086.9	21329.0	10392.3	10.9	23918.3	23918.3	9528.4	10.3	10.3	23629.5	0	9413.3	11.3	0.44843	0.00085	5.0748	0.00959	0.4496	5.09341	0.7916	0.00150	7.21681	7.21681	0.01364	27.3
MILAN	115	Avista	447	2	1.07	4215.2	0	839.6	6.5	3751.4	1729.1	747.2	6.5	2451.9	2451.9	488.4	6.5	6.5	3649.9	0	727	6.5	2.56727	0.01941	16.6166	0.12565	2.56784	16.6217	8.07295	0.06104	52.4659	52.46590	0.39672	4.2
MILAN TAP	115	T 16/8	16	3	1.07	6609.9	0	1316.6	10.3	5968.6	2998.5	1188.9	9.8	4125.1	4125.1	821.7	8.2	8.2	5723.0	0	1139.9	10.3	1.03833	0.00785	10.6717	0.08069	1.0389	10.6768	4.19153	0.03169	29.8104	29.81040	0.22541	6.6
MILE HI	115		71	9	1.07	2334.9	0	465.1	5.3	2143.5	1575.8	427	5.4	1815.8	1815.8	361.7	5.8	5.8	1949.9	0	388.4	5.2	5.67907	0.04294	29.8616	0.22580	6.31858	32.0302	8.06032	0.06095	53.6408	53.64080	0.40560	2.3
MILL CRK-NWE	230	MILL CRK	14	40	1.14	10620.1	0	4230.8	7.1	12101.6	14649.6	4820.9	8.3	12395.8	12395.8	4938.1	8.8	8.8	9270.0	0	3692.9	7.4	1.89801	0.00359	14.0598	0.02658	1.89079	13.9851	0.34816	0.00066	8.37715	8.37715	0.01584	14.6
MILTON	13.8	MILTON	20	1	1.03	5092.5	0	121.7	8.1	5693.4	6761.8	136.1	9.3	5810.1	5810.1	138.9	9.9	9.9	4409.1	0	105.4	8.1	0.19714	0.10352	1.60253	0.84149	0.19749	1.60332	0.03056	0.01605	1.01843	1.01843	0.53478	6.8
MILTON	69	T 6/7	20	3	1.03	2708.0	0	323.6	3.5	2465.8	1224.7	294.7	3.6	1686.5	1686.5	201.6	4.3	4.3	2343.6	0	280.1	3.5	4.16271	0.08743	14.5965	0.30658	4.17138	14.6162	8.13199	0.17080	42.0274	42.02740	0.88274	2.7
MILTON TAP	69	T 10/8	20	3	1.02	5870.9	0	701.6	5.7	5388.0	3404.6	643.9	5.8	4272.8	4272.8	510.7	6.4	6.4	5039.8	0	602.3	5.6	1.20702	0.02535	6.84166	0.14370	1.27352	6.95452	1.95802	0.04113	14.4945	14.49450	0.30444	5.9
MINIDOKA PH	138	MIPH	24	25	1.06	9756.2	0	2332.0	6.6	9054.0	6570.3	2164.1	6.6	7819.2	7819.2	1869	6.7	6.7	8413.3	0	2011	6.6	1.29128	0.00678	8.53298	0.04481	1.3149	8.60375	2.1709	0.01140	14.8123	14.81230	0.07778	9.8
MINIDOKA-BPA	2.4	MINI	24	3	1.06	5255.3	0	21.8	6.6	5887.9	6874.1	24.5	7.6	5960.1	5960.1	24.8	8.2	N/A	4551.2	0	18.9	6.6	0.04228	0.73403	0.27745	4.81684	0.04229	0.27746	0.00547	0.00000	0.18202	0.00000	0.00000	6.9
MINIDOKA-BPA	34.5	MINI	24	3	1.06	1003.1	0	59.9	2.6	931.3	666.6	55.7	2.6	800.9	800.9	47.9	2.6	2.6	868.7	0	51.9	2.6	7.60681	0.63909	19.7204	1.65683	7.60751	19.7216	13.501	1.13430	34.6044	34.60440	2.90732	1.0
MINT F-CWTZ	115		5	34	1.06	23648.0	0	4710.3	6.8	21798.8	14582.0	4342	6.8	18041.6	18041.6	3593.6	7	7	20481.4	0	4079.6	6.7	0.43382	0.00328	2.9509	0.02231	0.44051	2.94943	0.78988	0.00597	5.70937	5.70937	0.04317	23.6
MINT FARM	230		5	1	1.07	32927.2	0	13117.3	15.1	31588.4	26610.4	12583.9	13.9	29481.7	29481.7	11744.7	12.8	12.8	28562.2	0	11378.4	13.9	0.28401	0.00054	4.28724	0.00810	0.33129	4.26999	0.50939	0.00096	5.79509	5.79509	0.01095	32.9
MISSION	69	MISSION	23	24	1.04	1969.8	0	235.4	2.6	1809.6	884.6	216.3	2.8	1222.4	1222.4	146.1	3.4	3.4	1705.7	0	203.8	2.6	7.4772	0.15705	19.7382	0.41458	7.47801	19.7429	13.6684	0.28709	58.4564	58.45640	1.22782	2.0
MISSION TAP	69	T 33/6	23	3	1.04	2455.5	0	293.5	2.9	2253.0	1151.5	269.3	3	1569.0	1569	187.5	3.6	3.6	2126.2	0	254.1	2.9	5.59172	0.11745	15.9816	0.33568	5.59254	15.9864	10.3541	0.21748	44.5529	44.55290	0.93579	2.5
MIST	115	T 16/2	5	3	1.07	7051.2	0	1404.5	3.9	6424.9	3366.9	1279.8	4	4559.6	4559.6	908.2	4.5	4.5	6107.1	0	1216.4	3.8	2.52878	0.01912	9.74518	0.07369	2.53378	9.74197	4.96882	0.03757	26.1318	26.13180	0.19759	7.1
MOHLER	24.9	MOHLER	3	1	1.08	3719.5	0	160.4	10.5	3893.1	4225.1	167.9	11.2	3956.5	3956.5	170.6	11.8	11.8	3221.2	0	138.9	10.5	0.39806	0.06420	4.16122	0.67115	0.39818	4.16118	0.19834	0.03199	3.42501	3.42501	0.55241	4.2
MOHLER	115	MOHLER	3	1	1.08	4413.4	0	879.1	3.7	4018.1	2024.9	800.4	3.8	2777.4	2777.4	553.2	4.5	4.5	3822.1	0	761.3	3.7	4.25998	0.03221	15.7029	0.11874	4.26242	15.7021	8.38055	0.06337	44.2934	44.29340	0.33492	4.4
MONMOUTH	12.5	MONM	3	3	1.08	13912.0	0	301.2	13.1	14452.2	15628.9	312.9	13.8	14721.4	14721.4	318.7	14.4	N/A	12048.5	0	260.9	13.1	0.04241	0.02714	0.55647	0.35614	0.04243	0.55644	0.02503	0.00000	0.46548	0.00000	0.00000	15.6
MONMOUTH	115	MONM	3	3	1.08	9112.6	0	1815.1	5.2	8243.3	4370.0	1641.9	5.3	5908.6	5908.6	1176.9	5.8	5.8	7893.1	0	1572.2	5.2	1.47021	0.01112	7.69717	0.05820	1.47147	7.6942	3.25241	0.02459	20.3324	20.33240	0.15374	9.1
MONPAC	115		71	9	1.08	3737.8	0	744.5	4.9	3503.0	2344.5	697.7	5.1	2882.6	2882.6	574.2	5.9	5.9	3237.0	0	644.8	4.9	3.84938	0.02911	18.7243	0.14158	3.85061	18.7238	4.80139	0.03631	35.854	35.85400	0.27111	3.7
MONROE	230	MONE	9	3	1.10	29328.8	0	11683.8	13.1	28534.7	26329.7	11367.4	13.1	27607.6	27607.6	10998.1	13.1	13.1	25270.3	0	10067	13.1	0.38059	0.00072	4.97639	0.00941	0.38574	5.02714	0.44467	0.00084	5.8565	5.85650	0.01107	29.3
MONROE BK1	34.5	Bk1 tert	9	3	1.05	41379.1	0	2472.6	64.6	35796.4	0.1	2139	64.2	0.1	0.1	0	268337.6	N/A	35796.4	0	2139	64.2	0.00782	0.00066	0.50469	0.04240	0.00792	0.50579	0	0.00000	-4.90E+05	0.00000	0.00000	41.4
MONROE N	525	MONE	9	3	1.06	22935.7	0	20856.1	16.2	21492.1	15537.9	19543.3	14.7	18441.3	18441.3	16769.1	12.3	12.3	19769.9	0	17977.3	16.1	0.86371	0.00031	13.9974	0.00508	0.88345	14.1285	2.50691	0.00091	24.0268	24.02680	0.00872	22.9
MONROE SS	34.5	MONE	9	3	1.05	3210.9	0	191.9	832.2	2780.5	0.1	166.1	826.9	0.1	0.1	0	-109054858.3	N/A	2780.5	0	166.1	826.9	0.00782	0.00066	6.50478	0.54651	0.00792	6.50588	0	0.00000	-4.90E+05	0.00000	0.00000	3.2
MONTESANO	115	GHPUD	10	1	1.08	3608.2	0	718.7	3.4	3309.1	1668.6	659.1	3.6	2283.2	2283.2	454.8	4.5	4.5	3123.5	0	622.2	3.4	5.5702	0.04212	19.0228	0.14384	5.57351	19.0384	9.32553	0.07051	53.6551	53.65510	0.40571	3.6
MOORE LRE	69		24	1	1.09	2857.6	0	341.5	8.3	2724.9	2178.3	325.7	8	2471.9	2471.9	295.4	7.5	7.5	2474.4	0	295.7	8.3	1.81172	0.03805	15.0533	0.31618	1.81483	15.0575	3.29866	0.06929	22.0139	22.01390	0.46238	2.9
MORRISON	115	MORR	6	3	1.09	3791.5	0	755.2	5.1	3543.7	2542.8	705.9	5.2	3043.0	3043	606.1	5.5	5.5	3282.3	0	653.8	5.1	3.67551	0.02779	18.7774	0.14198	3.67725	18.7922	5.54328	0.04192	32.7781	32.77810	0.24785	3.8
MORW FLT BK1	13.8	Bk1 tert	23	3	1.04	12465.5	0	298.0	36.0	10792.6	0.0	258	35.9	0.0	0	0	2920.8	N/A	10792.6	0	258	35.9	0.01851	0.00972	0.6655	0.34945	0.01854	0.66584	0	0.00000	-5.00E+07	0.00000	0.00000	12.5
MORW FLT E	115	MORF	23	3	1.04	16633.0	0	3313.1	14.1	16137.0	14091.6	3214.3	13.3	15213.5	15213.5	3030.3	12.2	12.2	14362.5	0	2860.8	14.1	0.29367	0.00222	4.14787	0.03136	0.29595	4.17212	0.52527	0.00397	5.27307	5.27307	0.03987	16.6
MORW FLT W	230	MORF	23	3	1.04	18390.4	0	7326.2	11.2	16951.4	11258.1	6753	10.7	13876.2	13876.2	5527.9	9.5	9.5	15822.1	0	6303.1	11.2	0.66689	0.00126	7.49468	0.01417	0.67613	7.5936	1.79204	0.00339	14.6633	14.66330	0.02772	18.4
MOSCOW230	230	MOSCOW23	446	2	1.06	10690.7	0	4258.9	9.0	10018.2	7707.7	3991	8.9	8931.9	8931.9	3558.2	8.8	8.8	9232.0	0	3677.8	9	1.45388	0.00275	13.0586	0.02469	1.47173	13.1323	2.38242	0.00450	20.6894	20.68940	0.03911	10.7
MOSSYRK	230	MOSSYRK	40	466	1.06	10501.9	0	4183.7	10.7	10714.8	10622.5	4268.5	11.2	10651.3	10651.3	4243.2	11.8	11.8	9171.0	0	3653.5	10.1	1.24776	0.00236	13.3644	0.02526	1.36306	13.1298	0.75172	0.00142	13.0662	13.06620	0.02470	10.7
MOSSYROCK-LC	69	MOSSYROK	10	1	1.07	4177.6	0	499.3	11.5	3693.8	1219.9	441.5	11	1890.4	1890.4	225.9	8.6	8.6	3621.3	0	432.8	11.4	0.8895	0.01868	10.1882	0.21399	0.89584	10.1681	6.05244	0.12713	46.9907	46.99070	0.98699	4.2
MOUNT SI	115	MSI	9	10	1.10	16174.1	0	3221.7	6.6	14662.5	8703.5	2920.6	6.7	11264.8	11264.8	2243.8	6.9	6.9	13942.0	0	2777	6.6	0.67836	0.00513	4.47636	0.03385	0.6857	4.51808	1.42219	0.01075	10.3073	10.30730	0.07794	16.2
MOUNTAIN AVE	12.47	MT AVE	4	1	1.03	7420.2	0	160.3	15.2	7696.1	8332.0	166.2	16	7835.6	7835.6	169.2	16.6	N/A	6414.4	0	138.5	15.1	0.0657	0.04225	0.99745	0.64144	0.06653	1.00106	0.03867	0.00000	0.83622	0.00000	0.00000	8.3
MOUNTAIN AVE	115	MT AVE	4	3	1.03	4919.9	0	980.0	6.0	4503.2	2966.5	897	6.1	3660.4	3660.4	729.1	6.4	6.4	4213.2	0	839.2	5.9	2.29847	0.01738	13.7123	0.10368	2.36905	14.0188	3.97333	0.03004	27.6622	27.66220	0.20917	4.9
MOXE Sta Svc	34.5	MOXE	25	25	1.04	866.1	0	51.8	1.7	750.2	0.6	44.8	1.7	1.1	1.1	0.1	-1978.7	N/A	750.1	0	44.8	1.7	12.1774	1.02310	20.4725	1.72002	12.1774	20.4728	3.55169	0.00000	-55210	0.00000	0.00000	0.9
MOXEE	115	MOXE	25	3	1.05	9568.3	0	1905.9	4.7	8908.9	6160.5	1774.5	4.8	7492.6	7492.6	1492.4	5.1	5.1	8282.9	0	1649.8	4.7	1.50492	0.01138	7.1264	0.05389	1.5053	7.13268	2.34119	0.01770	13.1271	13.12710	0.09926	9.6
MOYIE	115	MOYIE	16	1	1.04	3324.6	0	662.2	3.7	2935.2	1548.1	584.7	3.9	2035.8	2035.8	405.5	4.5	4.5	2771.4	0	552	3.8	5.37795	0.04067	20.0596	0.15168	5.73298	21.6374	11.1921	0.08463	57.5781	57.57810	0.43537	3.3
MOYIE TAP	115	T 56/6	16	3	1.04	3767.7	0	750.5	4.8	3301.7	1845.4	657.7	4.8	2374.8	2374.8	473	5.2	5.2	3124.4	0	622.3	4.7	3.76709	0.02848	17.9357	0.13562	4.12884	19.5196	8.67706	0.06561	48.1836	48.18360	0.36434	3.8
MT VRNON	12.5	MVER	4	1	1.10	9288.9	0	201.1	24.6	9477.5	9921.9	205.2	25.7	9592.0	9592	207.7	26.7	N/A	8041.9	0	174.1	24.6	0.03465	0.02218	0.85257	0.54564	0.03472	0.8531	0.02348	0.00000	0.77152	0.00000	0.00000	9.9
MT VRNON	115	MVER	4	3	1.10	10529.2	0	2097.3	7.3	9618.2	5970.7	1915.8	7.1	7596.0	7596	1513	6.7	6.7	9089.1	0	1810.4	7.3	0.94517	0.00715	6.86063	0.05188	0.95091	6.90503	2.32971	0.01762	14.7217	14.72170	0.11132	10.5
MT VRNON TAP	115	T 15/1	4	3	1.10	19538.1	0	3891.7	8.1	18382.1	14266.1	3661.4	7.9	16393.3	16393.3	3265.3	7.6	7.6	16819.6	0	3350.2	8.1	0.45977	0.00348	3.70366	0.02800	0.46551	3.74806	0.82423	0.00623	5.77716	5.77716	0.04368	19.5
MTN HOME	115	MTHO	24	3	1.03	5247.0	0	1045.1	10.9	5218.3	4959.2	1039.4	10.3	5097.3	5097.3	1015.3	9.7	9.7	4542.3	0	904.8	10.8	1.19524	0.00904	12.9748	0.09811	1.21083	12.9835	1.72237	0.01302	14.0664	14.06640	0.10636	5.2
MTN HOME	138	MTHO	24	3	1.03	13094.3	0	3129.8	7.4	12465.2	10039.8	2979.5	7.2	11350.0	11350	2712.9	6.8	6.8	11324.2	0	2706.7	7.3	0.8398	0.00441	6.22046	0.03266	0.86546	6.23463	1.45675	0.00765	9.03808	9.03808	0.04746	13.1
MTN HOME BK1	12.47	Bk1 tert	24	3	1.03	6594.0	0	142.4	9.6	5710.2	0.0	123.3	9.6	0.0	0	0	1320.1	N/A	5710.2	0	123.3	9.6	0.11699	0.07523	1.12228	0.72172	0.11722	1.1224	0	0.00000	-5.00E+07	0.00000	0.00000	6.6
MUDR TAP	69	MUDR TAP	22	1	1.06	1649.5	0	197.1	4.8	1561.5	1145.4	186.6	5	1352.3	1352.3	161.6	5.5	5.5	1428.5	0	170.7	4.8	5.21944	0.10963	25.0134	0.52538	5.2196	25.0129	6.35538	0.13349	41.9561	41.95610	0.88125	1.6
MUDR-WEC	69	MUDR-WEC	22	1	1.06	1354.7	0	161.9	3.9	1265.6	817.4	151.3	4	1020.1	1020.1	121.9	4.6	4.6	1173.2	0	140.2	3.9	7.78102	0.16343	30.1231	0.63271	7.78119	30.1226	10.8625	0.22816	60.8596	60.85960	1.27829	1.4
MURRAY	115	MURY	9	3	1.10	18415.5	0	3668.1	9.6	17566.5	14644.3	3499	9.7	16280.6	16280.6	3242.9	9.9	9.9	15914.7	0	3170	9.6	0.40947	0.00310	3.93072	0.02972	0.41112	3.94732	0.52381	0.00396	5.46509	5.46509	0.04132	18.4
MURRAY	230	MURY	9	3	1.10	14027.5	0	5588.1	7.6	13027.1	9250.2	5189.6	7.7	11117.8	11117.8	4429	8	8	12114.3	0	4826	7.6	1.35944	0.00257	10.2911	0.01945	1.36634	10.3486	2.12926	0.00403	18.3507	18.35070	0.03469	14.0
MURRAY BK1	13.2	Bk1 tert	9	3	1.10	28782.9	0	658.1	18.1	24917.1	0.0	569.7	18.1	0.0	0	0	651.2	N/A	24917.1	0	569.7	18.1	0.01603	0.00920	0.28977	0.16631	0.01606	0.28999	0	0.00000	-5.00E+07	0.00000	0.00000	28.8
MW BYPASS	230		25	21	1.05	24017.1	0	9567.7	10.7	22805.0	17691.8	9084.9	10.1	20345.2	20345.2	8104.9	9.1	9.1	20767.2	0	8273.1	10.7	0.53982	0.00102	5.77162	0.01091	0.54084	5.78959	1.15637	0.00219	8.84565	8.84565	0.01672	24.0
MYRTLE POINT	115		71	9	1.10	2944.6	0	586.5	5.3	2710.9	1792.5	540	5.3	2227.8	2227.8	443.7	5.4	5.4	2549.3	0	507.8	5.3	4.62951	0.03501	24.3226	0.18391	4.63127	24.3376	8.48908	0.06419	47.8999	47.89990	0.36219	2.9
N BONNVL ANX	12.5	NBNA	2	3	1.06	4769.9	0	103.3	13.4	4818.7	4949.0	104.3	13.5	4857.8	4857.8	105.2	13.6	13.6	4130.8	0	89.4	13.4	0.11912	0.07624	1.60038	1.02424	0.11915	1.60039	0.1089	0.06970	1.51377	1.51377	0.96881	4.9
N BONNVL ANX	115	T 1/4.1	2	3	1.06	9517.1	0	1895.7	8.5	10196.9	11662.1	2031.1	8.9	10481.2	10481.2	2087.7	9.2	9.2	8241.8	0	1641.6	8.5	0.86965	0.00658	7.36637	0.05570	0.87156	7.36663	0.43879	0.00332	5.35473	5.35473	0.04049	11.7
N BONNVL E	230	NBON	2	3	1.07	21502.9	0	8566.2	12.1	21958.6	22772.1	8747.7	12.6	22101.8	22101.8	8804.7	13.1	13.1	18606.9	0	7412.5	12	0.54407	0.00103	6.58305	0.01244	0.54966	6.59343	0.36839	0.00070	6.04752	6.04752	0.01143	22.8
N BROOKINGS	115	CCEC	6	1	1.07	1599.6	0	318.6	6.2	1434.4	714.8	285.7	6.3	987.9	987.9	196.8	6.6	6.6	1385.0	0	275.9	6.2	7.00882	0.05300	43.7199	0.33059	7.01049	43.7339	18.3564	0.13880	125.177	125.17700	0.94652	1.6
N LEWISTON	115	NLEWISTO	444	2	1.05	22419.7	0	4465.7	9.3	22164.5	21327.1	4414.8	9.4	21788.5	21788.5	4340	9.5	9.5	19352.7	0	3854.8	9.2	0.33494	0.00253	3.10439	0.02347	0.33866	3.12457	0.33672	0.00255	3.35653	3.35653	0.02538	22.4
N LEWISTON	230	NLEWISTO	444	2	1.06	16165.0	0	6439.7	11.4	15699.8	13587.8	6254.4	10.6	14690.5	14690.5	5852.3	9.5	9.5	13927.1	0	5548.2	11.4	0.75667	0.00143	8.66279	0.01638	0.77302	8.7519	1.46322	0.00277	11.1346	11.13460	0.02105	16.2
N PASCO	115	N PASCO	20	1	1.03	8692.2	0	1731.4	4.9	7812.8	3780.3	1556.2	5	5264.5	5264.5	1048.6	5.6	5.6	7520.4	0	1498	4.9	1.56129	0.01181	7.69527	0.05819	1.56055	7.71095	3.7581	0.02842	22.8741	22.87410	0.17296	8.7
N EAST	115	N EAST	40	466	1.11	37676.8	0	7504.7	13.1	40201.6	46322.1	8007.6	13.9	41124.4	41124.4	8191.4	14.2	14.2	32289.2	0	6431.5	12.7	0.14859	0.00112	1.94638	0.01472	0.15992	1.98673	0.06875	0.00052	1.41881	1.41881	0.01073	46.3

NAPAVINE	525	NAPV	10	3	1.02	18830.9	0	17123.4	22.2	18395.5	16396.8	16727.5	19.8	17514.9	17514.9	15926.8	17.3	17.3	16293.3	0	14815.9	21.7	0.74237	0.00027	16.4672	0.00597	0.77835	16.4954	1.54206	0.00056	20.1164	20.11640	0.00730	18.8
NASELLE	115	NASE	5	3	1.07	3353.9	0	668.0	3.1	3071.5	1566.7	611.8	3.2	2137.2	2137.2	425.7	3.8	3.8	2904.2	0	578.5	3.1	6.51985	0.04930	20.1328	0.15223	6.52467	20.1365	12.1226	0.09166	56.1286	56.12860	0.42441	3.4
NEAHBAY-CLAL	69	NEAH BAY	11	1	1.06	689.8	0	82.4	1.5	717.3	446.1	85.7	1.3	553.2	553.2	66.1	0.9	0.9	597.3	0	71.4	1.5	34.3315	0.72110	50.6798	1.06448	34.3342	50.6939	103.295	2.16961	49.8465	49.84650	1.04698	0.7
NECANICM	115	NECANICM	3	1	1.08	4147.3	0	826.1	3.7	3796.8	2060.4	756.3	3.8	2754.3	2754.3	548.6	4.4	4.4	3591.7	0	715.4	3.7	4.48592	0.03392	16.6582	0.12596	4.48888	16.6563	8.19835	0.06199	42.6993	42.69930	0.32287	4.1
NECANICUM	12.5	NECANICU	3	1	1.13	551.1	0	11.9	7.9	767.9	1113.9	16.6	6	738.1	738.1	16	6.3	6.3	477.2	0	10.3	7.9	1.85462	1.18696	14.6356	9.36678	1.85466	14.6356	1.50034	0.96022	3.35753	3.35753	2.14882	1.1
NEHALEM	115		3	1	1.08	3542.3	0	705.6	3.5	3224.1	1589.7	642.2	3.7	2195.7	2195.7	437.4	4.4	4.4	3067.7	0	611	3.5	5.50965	0.04166	19.4912	0.14738	5.5122	19.4902	10.9191	0.08256	56.5609	56.56090	0.42768	3.5
NEHALEM*	115		3	1	1.08	4263.5	0	849.2	3.7	3884.9	1974.6	773.8	3.8	2700.4	2700.4	537.9	4.4	4.4	3692.3	0	735.5	3.7	4.44497	0.03361	16.2311	0.12273	4.44752	16.2301	8.65187	0.06542	45.2921	45.29210	0.34247	4.3
NESPELEM TAP	115	T 7/4	17	3	1.05	8517.2	0	1696.5	5.1	7775.1	4534.8	1548.7	5.2	5917.5	5917.5	1178.7	5.6	5.6	7374.3	0	1468.9	5.1	1.59593	0.01207	8.06763	0.06100	1.59616	8.07178	3.06628	0.02319	18.8158	18.81580	0.14227	8.5
NESPELM-NVEC	115	NESPELEM	17	1	1.05	3673.0	0	731.6	2.1	3433.6	1799.0	683.9	2.3	2421.0	2421	482.2	2.9	2.9	3180.6	0	633.5	2.1	8.10419	0.06128	17.2631	0.13053	8.10441	17.2673	12.4928	0.09446	47.3863	47.38630	0.35831	3.7
NESPLM1-NVEC	12.5		17	1	1.10	5309.5	0	115.0	6.9	5558.4	5927.1	120.3	7.4	5602.1	5602.1	121.3	7.9	7.9	4598.0	0	99.6	6.9	0.21412	0.13704	1.4838	0.94963	0.21412	1.48385	0.10947	0.07006	1.26087	1.26087	0.80696	5.9
NESTUCCA	115	NSTA	3	3	1.08	3331.8	0	663.6	2.9	3062.4	1503.0	610	3.1	2074.3	2074.3	413.2	3.9	3.9	2885.3	0	574.7	2.9	6.98324	0.05280	20.4247	0.15444	6.98484	20.4253	11.937	0.09026	59.8879	59.88790	0.45284	3.3
NESTUCCA TAP	115	T 14/3-4	3	3	1.08	4374.4	0	871.3	2.7	4057.6	2098.7	808.2	2.8	2841.5	2841.5	566	3.6	3.6	3788.2	0	754.5	2.7	5.74528	0.04344	15.4043	0.11648	5.74688	15.405	8.81127	0.06663	42.3551	42.35510	0.32027	4.4
Newberg W51	115	Nbrg	3	7	1.09	15134.0	0	3014.5	6.7	14429.4	11085.5	2874.1	7.1	12797.5	12797.5	2549.1	7.9	7.9	13104.3	0	2610.2	6.7	0.70775	0.00535	4.74633	0.03589	0.70936	4.74772	0.71172	0.00538	7.39727	7.39727	0.05593	15.1
NEWCOMB	34.5	NEWCOMB	24	1	1.05	2587.9	0	154.6	3.4	2404.6	1416.0	143.7	3.5	1831.6	1831.6	109.5	4.1	4.1	2240.9	0	133.9	3.4	2.30156	0.19337	7.71412	0.64811	2.30217	7.71593	3.41367	0.28680	17.7366	17.73660	1.49016	2.6
NEWPORT-INLD	115	T 2/11	16	3	1.04	9520.4	0	1896.3	6.7	8898.3	6381.5	1772.4	6.9	7649.1	7649.1	1523.6	7.2	7.2	8253.2	0	1643.9	6.7	1.06854	0.00808	7.18612	0.05434	1.06593	7.17173	1.57507	0.01191	12.5146	12.51460	0.09463	9.5
NILLES C	115	T 21/3.1	17	3	1.06	4541.4	0	904.6	3.2	4220.7	2478.5	840.7	3.4	3209.0	3209	639.2	4	4	3932.5	0	783.3	3.2	4.54704	0.03438	14.7496	0.11153	4.54693	14.7531	6.79499	0.05138	34.0705	34.07050	0.25762	4.5
NINE CN TAP	115	TW18/5	20	3	1.03	9674.4	0	1927.0	8.4	8978.7	6388.3	1788.4	8.4	7687.1	7687.1	1531.2	8.6	8.6	8369.4	0	1667.1	8.4	0.84203	0.00637	7.04324	0.05326	0.84375	7.0581	1.39315	0.01053	12.5026	12.50260	0.09454	9.7
NINE CN WND	115	NINC	20	3	1.03	7602.4	0	1514.3	6.3	7297.4	5611.3	1453.5	6.8	6454.4	6454.4	1285.6	8	8	6578.8	0	1310.4	6.3	1.41233	0.01068	8.90636	0.06734	1.41372	8.92031	1.13762	0.00860	13.7906	13.79060	0.10428	7.6
NINE MI TAP	115	T 19/4-5	20	3	1.03	7032.3	0	1400.7	6.6	6543.5	4696.3	1303.4	6.6	5629.4	5629.4	1121.3	6.8	6.8	6087.7	0	1212.6	6.6	1.4606	0.01104	9.56903	0.07236	1.46229	9.57656	2.3741	0.01795	16.7416	16.74160	0.12659	7.0
NLY 230	230	NLY	1	28	1.08	18954.0	0	7550.7	11.3	17750.0	14312.2	7071.1	11.1	16079.6	16079.6	6405.7	10.9	10.9	16182.2	0	6446.5	11	0.66678	0.00126	7.54515	0.01426	0.72008	7.75888	1.0612	0.00201	11.3696	11.36960	0.02149	19.0
NLY LOOP B	230	NLY	1	28	1.05	13809.3	0	5501.2	13.1	13508.9	12508.4	5381.6	12.2	13016.3	13016.3	5185.3	11.3	11.3	11858.0	0	4723.9	12.5	0.76653	0.00145	10.022	0.01895	0.84491	10.1879	1.19788	0.00226	11.6573	11.65730	0.02204	13.8
NLYPHS	230	NLY	1	28	1.05	16018.8	0	6381.5	15.2	16046.0	16097.1	6392.3	14.1	15909.0	15909	6337.7	13.1	13.1	13743.4	0	5475	14.5	0.56913	0.00108	8.67512	0.01640	0.64083	8.83424	0.78455	0.00148	8.67619	8.67619	0.01640	16.1
NORTH BENCH	13.8	NBCH	16	3	1.04	5729.7	0	137.0	11.1	6105.3	6835.7	145.9	12.5	6185.7	6185.7	147.9	13.4	13.4	4922.8	0	117.7	11	0.12936	0.06793	1.44026	0.75628	0.13447	1.46299	0.03554	0.01866	1.10398	1.10398	0.57970	6.8
NORTH BENCH	115	NBCH	16	3	1.04	2847.9	0	567.3	3.6	2521.9	1277.1	502.3	3.7	1708.4	1708.4	340.3	4.4	4.4	2386.8	0	475.4	3.6	6.51548	0.04927	23.3529	0.17658	6.87052	24.9307	13.6135	0.10294	69.9201	69.92010	0.52870	2.8
NORTH BUTTE	12.5	NBUT	4	3	1.06	1651.8	0	35.8	12.0	1662.3	1685.6	36	12.1	1669.1	1669.1	36.1	12.2	12.2	1431.0	0	31	12	0.38446	0.24605	4.62529	2.96019	0.38329	4.62216	0.35614	0.22793	4.48589	4.48589	2.87097	1.7
NORTH BUTTE	115	T 4/3	4	3	1.06	5858.2	0	1166.9	4.9	5702.4	4503.5	1135.8	5.3	5154.2	5154.2	1026.7	5.9	5.9	5132.8	0	1022.4	5	2.39737	0.01813	11.7987	0.08922	2.29797	11.5342	2.12998	0.01611	17.1484	17.14840	0.12967	5.9
NORTH CAMAS	115	N CAMAS	2	19	1.07	10858.0	0	2162.8	7.0	9751.3	5112.8	1942.3	7	6950.3	6950.3	1384.4	6.9	6.9	9401.0	0	1872.5	7	0.9253	0.00700	6.47698	0.04898	0.9289	6.47974	2.56591	0.01940	17.3868	17.38680	0.13147	10.9
NORTH MT	230	NORTH MT	9	14	1.09	6971.6	0	2777.3	6.8	6309.6	3876.2	2513.6	6.8	4928.0	4928	1963.2	7.1	7.1	5971.4	0	2378.8	6.7	3.02319	0.00571	20.4941	0.03874	3.12807	20.9429	6.1934	0.01171	45.6118	45.61180	0.08622	7.0
NORTH P TAP	69	T 13/20	10	3	1.06	6314.0	0	754.6	5.2	5473.7	803.6	654.2	5.2	1421.1	1421.1	169.8	5.7	5.7	5450.2	0	651.4	5.2	1.2657	0.02658	6.59722	0.13857	1.27706	6.64006	12.8082	0.26902	74.9782	74.97820	1.57484	6.3
NORWAY	24.9	CCEC	6	1	1.10	2976.1	0	128.4	13.7	3100.9	3344.5	133.7	14.9	3149.5	3149.5	135.8	15.8	15.8	2577.2	0	111.2	13.7	0.38509	0.06211	5.28577	0.85253	0.38517	5.28647	0.17652	0.02847	4.42189	4.42189	0.71320	3.3
NORWAY	115	NRWY	6	3	1.10	3849.7	0	766.8	4.1	3713.2	3056.6	739.6	4.3	3406.8	3406.8	678.6	4.5	4.5	3332.6	0	663.8	4.1	4.43058	0.03350	18.3624	0.13885	4.43232	18.3772	4.97917	0.03765	25.7818	25.78180	0.19495	3.8
NORWAY TAP	115	T 14/2-3	6	3	1.10	3851.4	0	767.2	4.1	3715.1	3059.3	740	4.3	3409.1	3409.1	679	4.5	4.5	3334.1	0	664.1	4.1	4.4266	0.03347	18.3544	0.13879	4.42835	18.3693	4.97255	0.03760	25.7553	25.75530	0.19475	3.9
NORWAY TIE	115		71	9	1.10	3445.1	0	686.2	6.0	3201.5	2318.8	637.7	6	2770.9	2770.9	551.9	6	6	2982.4	0	594.1	6	3.4696	0.02624	20.876	0.15785	3.47136	20.891	5.93758	0.04490	36.1089	36.10890	0.27304	3.4
NOTI	69	NOTI	4	1	1.09	3192.2	0	381.5	6.5	3345.9	3644.8	399.9	6.7	3403.0	3403	406.7	6.9	6.9	2763.9	0	330.3	6.5	2.0842	0.04378	13.4475	0.28245	2.08459	13.4535	1.28524	0.02700	11.0038	11.00380	0.23112	3.6
NOTI	115	T 10/5	4	3	1.09	7376.9	0	1469.4	2.3	7061.8	4361.0	1406.6	2.4	5493.0	5493	1094.1	3.1	3.1	6383.5	0	1271.5	2.3	3.96415	0.02997	8.97774	0.06788	3.96522	8.99435	4.38357	0.03315	19.6013	19.60130	0.14821	7.4
NOVELTY HL W	230	NOV	9	10	1.09	17708.8	0	7054.7	12.8	16609.1	12639.6	6616.6	12.4	14687.4	14687.4	5851.1	11.7	11.7	15270.0	0	6083.1	12.7	0.64041	0.00121	8.17623	0.01546	0.64968	8.24694	1.23864	0.00234	13.134	13.13400	0.02483	17.7
NOX EAST 230	230	NOXONE23	441	2	1.05	14059.3	0	5600.8	11.3	14393.7	15278.6	5734.1	11.7	14507.0	14507	5779.2	12.1	12.1	12061.6	0	4805	11.3	0.87063	0.00165	9.87213	0.01866	0.90053	10.0578	0.61055	0.00115	8.78535	8.78535	0.01661	15.3
NYS TAP	115	T 4/4	5	3	1.07	25890.1	0	5156.9	11.1	24555.8	19470.5	4891.2	10.8	22238.4	22238.4	4429.6	10.2	10.2	22433.6	0	4468.5	11	0.24447	0.00185	2.72508	0.02061	0.25045	2.72157	0.43764	0.00331	4.06362	4.06362	0.03073	25.9
NYS-CRPUD	115	CRPUD	5	1	1.07	13550.8	0	2699.1	4.1	12362.2	6594.0	2462.4	4.2	8875.7	8875.7	1767.9	4.9	4.9	11737.5	0	2338	4.1	1.23637	0.00935	5.07917	0.03841	1.24235	5.07566	2.35539	0.01781	13.295	13.29500	0.10053	13.6
OAKLAND-DOUE	69	OAKLAND-	4	1	1.07	2053.9	0	245.5	20.1	1998.0	1779.5	238.8	19.1	1906.7	1906.7	227.9	17.9	17.9	1778.5	0	212.6	20.1	1.02591	0.02155	20.6317	0.43335	1.02648	20.6362	1.68092	0.03531	25.3823	25.38230	0.53313	2.1
OAKRIDGE	12.5	OAKE	4	1	1.07	6914.0	0	149.7	7.2	7415.1	8204.5	160.5	8	7494.1	7494.1	162.3	8.6	N/A	5977.9	0	129.4	7.2	0.153	0.09792	1.10559	0.70758	0.15445	1.10908	0.04982	0.00000	0.85381	0.00000	0.00000	8.2
OAKRIDGE	115	T 5/17	4	3	1.07	3075.2	0	612.5	2.4	3163.9	2737.7	630.2	2.7	2885.3	2885.3	574.7	3.2	3.2	2644.9	0	526.8	2.4	8.77521	0.06635	21.4135	0.16192	8.89808	21.7106	4.7113	0.03562	27.4053	27.40530	0.20722	3.2
OBRIEN*	230	TAP-OBR	8	10	1.10	35832.5	0	14274.7	15.5	33809.1	25625.1	13468.6	13.6	29565.1	29565.1	11777.9	11.1	11.1	30695.8	0	12228.3	15.2	0.26176	0.00049	4.05541	0.00767	0.27607	4.14366	0.78255	0.00148	6.5178	6.51780	0.01232	35.8
ODESSA	34.5	ODES	16	3	1.04	2336.4	0	139.6	8.8	2497.9	2793.9	149.3	9.7	2544.3	2544.3	152	10.3	10.3	2022.7	0	120.9	8.8	1.00206	0.08419	8.84417	0.74305	1.00142	8.85009	0.36981	0.03107	6.71075	6.71075	0.56381	2.8
ODESSA	115	ODES	16	3	1.04	3182.9	0	634.0	2.9	2911.3	1419.9	579.9	3.1	1963.1	1963.1	391	3.8	3.8	2752.7	0	548.3	2.9	7.025	0.05312	20.614	0.15587	7.01784	20.6797	12.9966	0.09827	61.1262	61.12620	0.46220	3.2
OHOP	115	OHOP	8	3	1.06	9065.8	0	1805.8	5.5	8359.2	5426.8	1665	5.5	6762.5	6762.5	1347	5.9	5.9	7819.3	0	1557.5	5.4	1.40382	0.01061	7.65539	0.05789	1.45965	7.70969	2.33634	0.01767	15.502	15.50200	0.11722	9.1
OHOP 1	12.5	OHOP	8	3	1.11	4834.9	0	104.7	91.5	4901.4	5035.9	106.1	109.2	4932.3	4932.3	106.8	131.9	131.9	4186.2	0	90.6	89.7	0.01813	0.01160	1.65831	1.06132	0.01885	1.65901	0	0.00000	1.55945	1.55945	0.99805	5.0
OHOP 2	12.5	OHOP	8	3	1.11	4834.9	0	104.7	91.5	4901.4	5035.9	106.1	109.2	4932.3	4932.3	106.8	131.9	131.9	4186.2	0	90.6	89.7	0.01813	0.01160	1.65831	1.06132	0.01885	1.65901	0	0.00000	1.55945	1.55945	0.99805	5.0
OKANOGAN-OKP	115	OKANOGAN	17	16	1.06	7353.6	0	1464.7	5.3	6656.4	3567.2	1325.9	5.5	4803.8	4803.8	956.9	5.9	5.9	6367.7	0	1268.4	5.3	1.75308	0.01326	9.37657	0.07090	1.7529	9.37871	3.8037	0.02876	24.4368	24.43680	0.18478	7.4
OLEX-CBEC	69	OLEX	23	1	1.04	818.3	0	97.8	2.7	750.0	346.1	89.6	2.8	487.2	487.2	58.2	3.6	3.6	708.6	0	84.7	2.7	17.7721	0.37329	47.4852	0.99738	17.7729	47.4938	32.7434	0.68774	151.188	151.18800	3.17555	0.8
OLINDA	230	OLINDA	1	51	1.02	30074.3	0	11980.8	13.6	27908.0	16657.1	11117.8	11.3	21284.5	21284.5	8479.1	7.4	7.4	25829.8	0	10289.9	13.6	0.32854	0.00062	4.47047	0.00845	0.33355	4.54504	1.86906	0.00353	9.81617	9.81617	0.01856	30.1
OLINDA	525	OLINDA	1	51	1.00	16751.1	0	15232.2	4.2	15895.3	6600.6	14454	6.4	9762.9	9764.1	8877.7	7.2	7.2	15557.0	0	14146.4	6.5	1.52047	0.00055	16.1851	0.00587	1.54291	16.2756	9.70673	0.00352	59.9896	59.98960	0.02176	16.8
OLSON-CWTZ	115	OLSON-CW	5	34	1.06	14456.0	0	2879.4	6.4	13165.1	7810.2	2622.3	6.5	10137.0	10137	2019.1	6.8	6.8	12513.6	0	2492.5	6.4	0.74944	0.00567	4.82594	0.03649	0.75765	4.82915	1.52396	0.01152	11.0177	11.01770	0.08331	14.5
OLYMPIA BK1	13.2	Bk1 tert	10	3	1.08	74738.6	0	1708.8	13.4	64678.8	0.0	1478.8	13.4	0.0	0	0	12157.2	N/A	64678.8	0	1478.8	13.4	0.00816	0.00468	0.10966	0.06294	0.0082	0.10982	0	0.00000	-4.90E+05	0.00000	0.00000	74.7
OLYMPIA BK2	13.8	Bk2 tert	10	3	1.09	29113.7	0	695.9	32.0	25205.6	0.0	602.5	31.9	0.0	0	0	1180.5	N/A	25205.6	0	602.5	31.9	0.00933	0.00490	0.29823	0.15660	0.00937	0.29841	0	0.00000	-5.00E+07	0.00000	0.00000	29.1
OLYMPIA BK3	13.2	Bk3 tert	10	3	1.07	28253.0	0	646.0	17.8	24462.9	0.0	559.3	17.8	0.0	0	0	636.7	N/A	24462.9	0	559.3	17.8	0.01619	0.00929	0.28797	0.16527	0.01623	0.28809	0	0.00000	-5.00E+07	0.00000	0.00000	28.3
OLYMPIA BK3	300	OLYM	10	3	1.05	9298.8	0	4831.8	18.5	9218.1	8992.6	4789.9	18.4	9130.7	9130.7	4744.5	18.2	18.2	8042.1	0	4178.8	18.3	1.05758	0.00118	19.5403	0.02171	1.07573	19.5926	1.13969	0.00127	20.5648	20.56480	0.02285	9.3
OLYMPIA BK5	230	OLYM	10	3	1.07	25150.5	0	10019.2	12.0	25107.9	24756.9	10002.3	11.7	24875.1	24875.1	9909.5	11.3	11.3	21713.4	0	8650	11.9	0.4675	0.00088	5.62692	0.01064	0.47926	5.66117	0.56506	0.00107	5.77147	5.77147	0.01091	25.2
OLYMPIA BK5	525	OLYM	10	3	1.02	14296.2	0	12999.9	19.5	13715.9	11304.7	12472.2	17.6	12605.0	12605	11462.1	15.2	15.2	12359.7	0	11239	19.1	1.11337	0.00040	21.6608	0.00786	1.15292	21.7331	2.57119	0.00093	30.2456	30.24560	0.01097	14.3
OLYMPIA(MBC)	230	OLYM	10	3	1.07	25309.8	0	10082.7	12.0	25349.5	25327.0	10098.5	11.7	25238.6	25238.6	10054.3	11.4	11.4	21849.6	0	8704.3	11.9	0.46488	0.00088	5.59084	0.01057	0.47692	5.62555	0.53282	0.00101	5.59697	5.59697	0.01058	25.3
OLYMPIA(MBE)	115	OLYM	10	3	1.09	30858.7	0	6146.6	12.1	33512.3	40295.1	6675.2	11.8	34862.3	34862.3	6944.1	11.7	11.7	26656.3	0	5309.6	12	0.19288	0.00146	2.3304	0.01762	0.196	2.34213	0.13934	0.00105	1.51445	1.51445	0.01145	40.3
OLYMPIA1 SS	13.2	OLYM	10	3	1.08	3459.6	0	79.1	291.3	2996.0	0.0	68.5	290.6	0.1	0	0	6962574.4	N/A	2996.0	0	68.5	290.6	0.00816	0.00468	2.37566	1.36344	0.0082	2.37582	0	0.00000	-4.90E+05	0.00000	0.00000	3.5
OMAK-OKP	115	OMAK	17	16	1.06	7795.0	0	1552.6	6.2	7061.1	3889.6	1406.5	6.3	5189.4	5189.4	1033.7	6.8	6.8	6750.0	0	1344.5	6.2	1.43195	0.01083	8.89597	0.06727	1.43173	8.89758	3.06542	0.02318	22.3748	22.37480	0.16919	7.8
OPALCO-LOPZ	69	OPALCO-L	9	1	1.07	4541.9	0	542.8	5.6	4668.3	4656.2	557.9	6.1	4597.8	4597.8	549.5	6.5	6.5	3931.7	0	469.9	5.6	1.65019	0.03466	9.25951	0.19449	1.6511	9.26728	0.91308	0.01918	9.02548	9.02548	0.18957	4.7
ORCHARD VW	115	T 13/2	20	3	1.03	9734.2	0	1938.9	6.7	8700.9	4336.8	1733.1	6.7	5995.8	5995.8	1194.3	6.7	6.7	8423.6	0	1677.9	6.7	1.0375	0.00784	6.97467	0.05274	1.03873	6.98537	2.99493	0.02265	20.0076	20.00760	0.15129	9.7
ORE CITY	59.8	OREC	3	3	1.13	7449.4	0	771.6	6.6	7373.6	6727.1	763.7	6.9	7070.6	7070.6	732.3	7.5	7.5	6451.1	0	668.2	6.6	0.78758	0.02202	5.18509	0.14500	0.78805	5.18541	0.62874	0.01758	6.05889	6.05889	0.16943	7.4
ORE CITY	115	OREC	3	3	1.08	6575.0	0	1309.7	4.5	6223.4	4178.3	1239.6	4.9	5113.3	5113.3	1018.5	5.9	5.9	5693.8	0	1134.1	4.5	2.35751	0.01783	10.6727	0.08070	2.35909	10.6738	2.30886	0.01746	20.2278	20.22780	0.15295	6.6
ORE CITY BK1	13.8	Bk1 tert	3	3	1.08	8713.5	0	208.3	16.9	7546.0	0.0	180.4	16.9	0.0	0	0	2035.3	N/A	7546.0	0	180.4	16.9	0.05848	0.03071	0.98798	0.51879	0.0585	0.988	0	0.00000	-5.00E+07	0.00000	0.00000	8.7
OREGON ST.	115		20	1	1.03	8256.3	0	1644.5	5.9	7343.3	3219.3	1462.7	5.9	4630.3	4630.3	922.3	6.2	6.2	7147.0	0	1423.6	5.9	1.38385	0.01046	8.13064	0.06148	1.38404	8.13801	4.29305	0.03246	27.2812	27.28120	0.20629	8.3
OROFINO115	115	OROFINO1	444	2	1.04	6188.8	0	1232.7	7.0	5770.4	4365.8	1149.4	7.1	5093.1	5093.1	1014.5	7.1	7.1	5331.6	0	1062	7	1.56364	0.01182	11.0199	0.08333	1.5858	11.135	2.52958	0.01913	18.0199	18.01990	0.13626	6.2
OROVILLE-OKP	115	OROV	17	16	1.06	1674.1	0	333.5	3.1	1525.3	718.1	303.8	3.2	1006.0	1006	200.4	4	4	1449.8	0	288.8	3.1	12.8415	0.09710	39.9542	0.30211	12.8412	39.9558	25.4683	0.19258	123.273	123.27300	0.93212	1.7
OSTRANDR BK1	34.5	Bk1 tert	2	3	1.03	25453.2	0	1521.0	43.5	22040.8	0.0	1317.1	43.4	0.0	0	0	4270.9	N/A	22040.8	0	1317.1	43.4	0.01858	0.00156	0.80816	0.06790	0.01869	0.80833	0	0.00000	-5.00E+07	0.00000	0.00000	25.5
OSTRANDR BK1	230	OSTD	2	3	1.08	25419.7	0	10126.5	20.8	24689.7	21351.6	9835.7	18.6	23193.5	23193.5	9239.6	16.2	16.2	21998.0	0	8763.4	20.7	0.2717	0.00051	5.65994	0.01070	0.27671	5.668	0.60295	0.00114	7.26745	7.26745	0.01374	25.4
OSTRANDR E	525	OSTD	2	3	1.03	20038.9	0	18221.9	18.2	18953.4	14080.6	17234.8	16	16522.1	16522.1	15024	12.9	12.9	17332.9	0	15761.3	18	0.85495	0.00031	15.5763	0.00565	0.8767	15.6134	2.66561	0.00097	25.4005	25.40050	0.00922	20.0
OTHLO SW STN	115	OTHELLSW	445	2	1.05	6299.4	0	1254.8	2.8	5781.7	2987.2	1151.6	2.9	4054.9	4054.9	807.7	3.5	3.5	5453.7	0	1086.3	2.8	3.68562	0.02787	10.4223	0.07881	3.68502	10.4301	6.82507	0.05161	28.6754	28.67540	0.21683	6.3
OUTLOOK	115		70	9	1.05	10663.2	0	2124.0	6.5	10555.2	9606.9	2102.4	6.8	10106.0	10106	2013	7.4	7.4	9231.8	0	1838.8	6.5	1.00329	0.00759	6.47993	0.04900	1.00352	6.48393	0.79076	0.00598	7.60277	7.60277	0.05749	10.7
OUTLOOK	230		77	9	1.05	8426.2	0	3356.8	7.2	7817.5	5415.0	3114.3	7.3	6590.2	6590.2	2625.3	7.7	7.7	7294.0	0	2905.7	7.2	2.28531	0.00432	16.4271	0.03105	2.28649	16.4422	3.63836	0.00688	30.2166	30.21660	0.05712	8.4
OVANDO	50	OVANDO	14	1	1.14	1773.6	0	153.6	45.4	1921.7	2299.1	166.4	47.8	2002.0	2002	173.4	48.9	48.9	1535.6	0	133	45.4	0.40918	0.01637	18.5949	0.74380	0.41079	18.6033	0.19157	0.00766	12.2239	12.22390	0.48896	2.3
OVANDO BPA	69	OVAN	14	3	1.14	2117.7	0	253.1	33.6	2218.5	2477.7	265.1	35.4	2282.8	2282.8	272.8	36.6	36.6	1833.3	0	219.1	33.6	0.63814	0.01340	21.463	0.45081	0.6412	21.4789	0.35067	0.00737	16.7963	16.79630	0.35279	2.5
OVANDO BPA	230	OVAN	14	3	1.14	7304.4	0	2909.9	9.6	6516.7	3014.0	2596.1	9.3	4249.4	4249.4	1692.8	8.2	8.2	6298.8	0	2509.3	9.6	2.13652	0.00404	20.6086	0.03896	2.17037	20.7837	8.65186	0.01636	64.664	64.66400	0.12224	7.3
OXBOW	115		10	1	1.07	4422.0	0	880.8	3.9	4017.2	2034.4	800.2	4.1	2786.7	2786.7	555.1	4.7	4.7	3828.2	0	762.5	3.9	3.95386	0.02990	15.5372	0.11748	3.96207	15.547	8.01005	0.06057	43.5573	43.55730	0.32936	4.4
OXBOW TAP	115	T 2/5	10	3	1.07	4454.6	0	887.3	3.9	4060.3	2144.4	808.8	4	2895.1	2895.1	576.7	4.6	4.6	3856.4	0	768.1	3.9	3.93534	0.02976	15.4208	0.11660	3.94356	15.4306	7.60389	0.05750	40.9634	40.96340	0.30974	4.5
P JOHNSON	115	HARM	2	3	1.07	28412.4	0	5659.4	9.2	26707.5	20493.8	5319.8	9	23797.8	23797.8	4740.2	8.7	8.7	24591.0	0	4898.2	9.1	0.26937	0.00204	2.48457	0.01879	0.27739	2.48673	0.47269	0.00357	3.92165	3.92165	0.02965	28.4
PACIFIC TAP	138	T 7/5	24	3	1.06	5201.5	0	1243.3	3.4	4734.2	2392.8	1131.6	3.5	3276.1	3276.1	783.1	4	4	4500.2	0	1075.6	3.4	4.64349	0.02438	15.5777	0.08180	4.65653	15.6078	9.39171	0.04932	43.9508	43.95080	0.23079	5.2
PACIFIC UNT	138	PACI	24	3	1.06	5196.4	0	1242.0	3.4	4729.5	2390.0	1130.5	3.5	3272.4	3272.4	782.2	4	4	4495.7	0	1074.6	3.4	4.64921	0.02441	15.593	0.08188	4.66224	15.6231	9.40314	0.04938	44.0041	44.00410	0.23107	5.2
PACWAY-CWTZ	115		5	34	1.06	20141.8	0	4012.0	6.9	18500.6	12029.8	3685.1	6.9	15062.0	15062	3000.1	7.1	7.1	17441.9	0	3474.2	6.8	0.50599	0.00383	3.46669	0.02621	0.51307	3.46624	0.95456	0.00722	6.9828	6.98280	0.05280	20.1
PALISADE PH	115	PALISADE	24	25	1.06	5693.5	0	1134.1	7.7	6275.9	7221.6	1250.1	8.3	6532.4	6532.4	1301.2	8.6	8.6	5057.1	0	1007.3	7.6	1.58077	0.01195	12.2058	0.09229	1.55533	11.5885	0.58212	0.00440	8.17135	8.17135	0.06179	7.2
PANGBRN-DOGW	115		17	15	1.07	15469.6	0	3081.3	10.8	14380.1	8872.8	2864.3	9.6	11263.0	11263	2243.4	7.3	7.3	13372.8	0	2663.7	10.8	0.4229	0.00320	4.56969	0.03455	0.42429	4.5863	1.71559	0.01297	9.57919	9.57919	0.07243	15.5
PARKDALE	12.5	PARK	22	3	1.07	7482.4	0	162.0	21.8	7212.1	6048.8	156.1	19.8	6690.1	6690.1	144.8	17.2	17.2	6480.0	0	140.3	21.8	0.0474	0.03034	1.03547	0.66270	0.04741	1.03546	0.10724	0.06863	1.40111	1.40111	0.89671	7.5
PARKDALE	230	PARK	22	3	1.08	9228.3	0	3676.3	10.7	8401.0	4507.7	3346.7	10	6058.9	6058.9	2413.7	8	8	7993.0	0	3184.2	10.7	1.44991	0.00274	15.4706	0.02924	1.45192	15.4664	5.85389	0.01107	39.5201	39.52010	0.07471	9.2
PARKER	115	PRKR	4	3	1.10	11642.1	0	2318.9	6.6	10471.7	5720.6	2085.8	6.6	7658.4	7658.4	1525.5	6.7	6.7	10065.0	0	2004.8	6.6	0.9397	0.00711	6.2091	0.04695	0.94072	6.23084	2.36015	0.01785	15.8835	15.88350	0.12010	11.6
PARKER TAP	115	T 4/7	4	3	1.10	11735.4	0	2337.5	6.7	10553.8	5778.0	2102.2	6.7	7730.0	7730	1539.7	6.8	6.8	10145.5	0	2020.8	6.7	0.91752	0.00694	6.16199	0.04659	0.91853	6.18372	2.32048	0.01755	15.7222	15.72220	0.11888	11.7
PARKVIEW	115	CCEC	6	1	1.07	1559.1	0	310.5	6.2	1397.6	693.1	278.4	6.3	959.5	959.5	191.1	6.6	6.6	1350.0	0	268.9	6.2	7.20332	0.05447	44.8536	0.33916	7.205	44.8676	18.9908	0.14360	129.199	129.19900	0.97693	1.6
PATERSON TAP	115	T 2/1	20	3	1.04	22550.3	0	4491.7	11.7	21119.9	15341.5	4206.8	11	18163.2	18163.2	3617.9	9.7	9.7	19423.0	0	3868.8	11.7	0.25936	0.00196	3.04633	0.02303	0.26245	3.07959	0.64917	0.00491	5.20116	5.20116	0.03933	22.6
PaTu	115		22	1	1.06	2972.4	0	592.1	3.6	2884.9	1998.8	574.6	4	2396.0	2396	477.2	5.2	5.2	2574.6	0	512.8	3.6	6.36855	0.04816	22.7894	0.17232	6.36856	22.781	4.0188	0.03039	40.8853	40.88530	0.30915	3.0
PAUL N	525	PAUL	10	3	1.02	22065.8	0	20065.0	22.5	22095.4	21817.8	20091.9	20.7	21903.6	21903.6	19917.6	19.3	19.3	19076.6	0	17346.8	21.9	0.62594	0.00023	14.0602	0.00510	0.6603	14.1073	0.9203	0.00033	14.3101	14.31010	0.00519	22.1
PE ELL	12.47		10	1	1.15	8207.5	0	177.3	9.1	8689.9	9784.6	187.7	9.5	8926.9	8926.9	192.8	9.7	N/A	7107.7	0	153.5	9.1	0.11057	0.07111	1.00552	0.64663	0.11067	1.00557	0.06463	0.00000	0.76441	0.00000	0.00000	9.8
PE ELL	115	T 18/9	10	3	1.07	3965.4	0	789.8	5.2	3622.9	2116.0	721.6	5.4	2759.4	2759.4	549.6	5.9	5.9	3433.6	0	683.9	5.2	3.34344	0.02528	17.5451	0.13267	3.35025	17.549	6.27222	0.04743	40.8069	40.80690	0.30856	4.0
PEARL B1 SS	13.8	SS 2.4	3	3	1.04	478.4	0	11.4	4465.7	414.3	0.0	9.9	4454.5	0.0	0	0	9272462.7	N/A	414.3	0	9.9	4454.5	0.00386	0.00203	17.2451	9.05540	0.00388	17.2451	0	0.00000	-5.00E+07	0.00000	0.00000	0.5
PEARL B2 SS	13.8	SS 1.5.6	3	3	1.03	766.9	0	18.3	4266.9	664.1	0.0	15.9	4253.1	0.0	0	0	5486513.5	N/A	664.1	0	15.9	4253.1	0.00251	0.00132	10.6917	5.61421	0.00252	10.6917	0	0.00000	-5.00E+07	0.00000	0.00000	0.8
PEARL BK1	34.5	Bk1 tert	3	3	1.04	31263.1	0	1868.2	27.3	27072.2	0.0	1617.7	27.2	0.0	0	0	2917.7	N/A	27072.2	0	1617.7	27.2	0.02414	0.00203	0.65922	0.05539	0.02426	0.65933	0	0.00000	-3.30E+07	0.00000	0.00000	31.3
PEARL BK2	34.5	Bk2 tert	3	3	1.03	3050.3	0	182.3	429.1	2641.7	0.0	157.9	427.7	0.0	0	0	462527.9	N/A	2641.7	0	157.9	427.7	0.01566	0.00132	6.72038	0.56462	0.01576	6.72052	0	0.00000	-3.30E+07	0.00000	0.00000	3.1
PEARL E	525	PERL	3	3	1.03	22127.2	0	20120.8	17.2	21486.0	18496.2	19537.8	15.5	20129.0	20129	18303.8	13.5	13.5	19141.4	0	17405.8	17	0.82039	0.00030	14.1169	0.00512	0.84605	14.1469	1.77336	0.00064	18.2427	18.24270	0.00662	22.1
PEARL(MB1)	230	PERL	3	3	1.09	37134.0	0	14793.2	15.7	37187.8	35957.8	14814.6	14.3	36510.4	36510.5	14544.7	13.1	13.1	32133.9	0	12801.3	15.5	0.24757	0.00047	3.87817	0.00733	0.25344	3.88387	0.40383	0.00076	4.06069	4.06069	0.00768	37.2
PENDLT-PPL	69		70	9	1.04	4105.6	0	490.7	7.8	3748.4	2255.4	448	7.7	2910.9	2910.9	347.9	7.2	7.2	3554.7	0	424.8	7.8	1.28186	0.02692	10.0429	0.21094	1.28265	10.0475	3.34277	0.07021	22.3397	22.33970	0.46922	4.1
PENDLTON	69	T 40/5	23	3	1.04	4067.0	0	486.1	7.6	3688.4	2014.8	440.8	7.4	2694.2	2694.2	322	6.7	6.7	3521.3	0	420.8	7.6	1.33255	0.02799	10.1352	0.21288	1.33336	10.14	4.18406	0.08788	25.5084	25.50840	0.53578	4.1
PENDLTON-UEC	12.5		23	24	1.04	1662.4	0	36.0	103.6	1688.8	1748.0	36.6	124.6	1704.1	1704.1	36.9	151.5	151.5	1439.6	0	31.2	103.6	0.04373	0.02799	4.53055	2.89955	0.04376	4.5307	0	0.00000	4.19792	4.19792	2.68667	1.7
PILOT BT	230		77	9	1.06	11200.6	0	4462.0	9.4	10187.8	6391.7	4058.5	9	8035.0	8035	3200.9	8.1	8.1	9574.7	0	3814.3	9.3	1.33997	0.00253	12.5464	0.02372	1.38804	12.8734	3.70471	0.00700	26.9532	26.95320	0.05095	11.2
PILOT RK	69		70	9	1.04	1796.0	0	214.6	2.1	1653.0	713.9	197.5	2.3	1024.6	1024.6	122.4	3.1	3.1	1555.3	0	185.9	2.1	9.80674	0.20598	20.981	0.44068	9.80759	20.9858	18.317	0.38473	73.7725	73.77250	1.54952	1.8
PINE ST-PEND	115		16	1	1.04	9529.9	0	1898.2	6.7	8896.7	6341.7	1772.1	6.9	7623.3	7623.3	1518.5	7.2	7.2	8261.3	0	1645.5	6.7	1.06852	0.00808	7.17865	0.05428	1.06603	7.1646	1.60025	0.01210	12.618	12.61800	0.09541	9.5
PINECR1*-OKP	115	T 11/1	17	3	1.06	4351.8	0	866.8	6.6	3898.4	1969.5	776.5	6.6	2711.7	2711.7	540.1	6.7	6.7	3768.6	0	750.7	6.6	2.42586	0.01834	15.9606	0.12069	2.42565	15.9622	6.6464	0.05026	44.9478	44.94780	0.33987	4.4
PINECR2*-OKP	115	T 11/1	17	3	1.06	4351.7	0	866.8	6.6	3898.2	1968.9	776.5	6.6	2711.1	2711.1	540	6.7	6.7	3768.5	0	750.6	6.6	2.42633	0.01835	15.9592	0.12067	2.42612	15.9608	6.6479	0.05027	44.9589	44.95890	0.33995	4.4
PINECRK-OKP	115		17	16	1.06	4344.4	0	865.3	6.6	3891.9	1966.1	775.2	6.6	2707.0	2707	539.2	6.7	6.7	3762.2	0	749.4	6.6	2.43512	0.01841	15.987	0.12088	2.43491	15.9886	6.66361	0.05039	45.0258	45.02580	0.34046	4.3
PISTOL RV	12.5	CCEC	6	1	1.07	2727.8	0	59.1	47.1	2815.5	3000.6	61	56.7	2857.7	2857.7	61.9	67.4	67.4	2362.3	0	51.1	47	0.05996	0.03837	2.82135	1.80566	0.05998	2.82151	0	0.00000	2.4375	2.43750	1.56000	3.0
PISTOL RV	115	CCEC	6	1	1.07	2153.8	0	429.0	6.4	1941.6	1037.0	386.7	6.5	1399.7	1399.7	278.8	6.8	6.8	1864.8	0	371.4	6.4	5.07495	0.03837	32.4882	0.24566	5.07662	32.5022	12.0535	0.09114	85.1704	85.17040	0.64401	2.2
PLACID LAKE	230	PLACID L	14	40	1.13	5521.7	0	2199.7	9.7	4922.9	2176.6	1961.1	9.4	3116.3	3116.3	1241.5	8.2	8.2	4772.4	0	1901.2	9.7	2.78763	0.00527	26.9794	0.05100	2.80793	27.0866	11.8595	0.02242	89.0494	89.04940	0.16834	5.5
PLEASANT HIL	115	T 10/1	4	3	1.09	12118.7	0	2413.9	6.2	11074.8	7329.9	2205.9	6.2	9058.9	9058.9	1804.4	6.3	6.3	10407.5	0	2073	6.2	0.95528	0.00722	5.90872	0.04468	0.97693	6.00722	1.8145	0.01372	11.8114	11.81140	0.08931	12.1
PLMTH	115	PLMTH	22	23	1.04	11377.2	0	2266.2	7.7	10140.3	4855.1	2019.8	7.6	6787.2	6787.2	1351.9	7.4	7.4	9825.9	0	1957.2	7.7	0.78453	0.00593	6.00918	0.04544	0.78762	6.04244	2.50574	0.01895	18.1497	18.14970	0.13724	11.4
POMEROY	13.8	POME	18	1	1.08	1404.8	0	33.6	13.5	1437.0	1524.1	34.3	13.4	1462.0	1462	34.9	13.3	13.3	1216.5	0	29.1	13.5	0.45244	0.23758	6.11161	3.20920	0.45247	6.11173	0.41876	0.21989	5.39225	5.39225	2.83147	1.5
POMEROY	69	POME	18	3	1.08	696.6	0	83.3	15.8	713.7	757.5	85.3	16	725.8	725.8	86.7	16.3	16.3	603.2	0	72.1	15.8	3.91628	0.08226	61.6963	1.29587	3.91682	61.6992	3.07258	0.06454	54.2757	54.27570	1.14001	0.8
POMEROY	115	T 8/5	18	3	1.03	5753.6	0	1146.0	5.5	5302.3	3264.0	1056.1	5.7	4164.5	4164.5	829.5	6.4	6.4	4981.2	0	992.2	5.5	2.1403	0.01618	11.7329	0.08872	2.14167	11.7405	3.3731	0.02551	25.3629	25.36290	0.19178	5.8
POMEROY-B639	115	POME	18	3	1.03	5752.9	0	1145.9	5.5	5301.7	3263.8	1056	5.7	4164.1	4164.1	829.4	6.4	6.4	4980.6	0	992.1	5.5	2.14163	0.01619	11.7343	0.08873	2.143	11.7418	3.37443	0.02552	25.3642	25.36420	0.19179	5.8
POMONA-PPL	230		77	9	1.05	8810.5	0	3509.9	7.8	8913.5	9003.6	3550.9	8	8898.1	8898.1	3544.7	8.3	8.3	7623.1	0	3036.8	7.8	2.02513	0.00383	15.7208	0.02972	2.02812	15.7498	1.61209	0.00305	15.2714	15.27140	0.02887	9.0
POMROY-PPL	69		70	9	1.04	1465.7	0	175.2	1.8	1392.8	739.0	166.5	2	987.2	987.2	118	2.6	2.6	1269.1	0	151.7	1.8	13.5145	0.28386	24.769	0.52025	13.5177	24.7775	17.4545	0.36661	67.998	67.99800	1.42823	1.5
PONDROSA GN	230	POND	21	3	1.08	23287.5	0	9277.1	15.2	21690.8	15018.8	8641	13.9	18187.5	18187.5	7245.4	11.6	11.6	20083.9	0	8000.9	15.1	0.40286	0.00076	6.1311	0.01159	0.41005	6.18195	1.22025	0.00231	11.2011	11.20110	0.02117	23.3
PONDROSA N	230	POND	21	3	1.08	23276.5	0	9272.7	15.1	21678.1	15012.3	8635.9	13.8	18178.5	18178.5	7241.8	11.5	11.5	20073.4	0	7996.7	15	0.40734	0.00077	6.13336	0.01159	0.41513	6.18478	1.22585	0.00232	11.205	11.20500	0.02118	23.3
PONDROSA-BK1	230	POND	21	3	1.08	23313.8	0	9287.5	15.6	21725.4	15008.0	8654.8	14.1	18188.4	18188.4	7245.7	11.6	11.6	20107.0	0	8010.1	15.5	0.3935	0.00074	6.12504	0.01158	0.40035	6.17555	1.23582	0.00234	11.2137	11.21370	0.02120	23.3
PONDROSA-BK1	525	POND	21	3	1.03	20664.1	0	18790.4	9.3	18710.2	7721.7	17013.7	11.1	11261.9	11262	10240.8	8.9	8.9	18166.9	0	16519.7	11.6	1.26151	0.00046	14.7845	0.00536	1.29061	14.8824	6.71223	0.00244	53.0114	53.01140	0.01923	20.7
PONDROSA-BK2	230	POND	21	3	1.08	23361.6	0	9306.6	15.9	21772.0	15021.5	8673.3	14.4	18212.1	18212.1	7255.2	11.7	11.7	20147.2	0	8026.1	15.9	0.38345	0.00072	6.11273	0.01156	0.39082	6.16374	1.23148	0.00233	11.2076	11.20760	0.02119	23.4
PONDROSA-BK2	525	POND	21	3	1.03	19780.8	0	17987.2	8.9	17930.4	7638.6	16304.6	11.2	11041.5	11041.5	10040.4	9.2	9.2	17393.5	0	15816.3	11.6	1.31437	0.00048	15.4331	0.00560	1.3457	15.5369	6.53328	0.00237	53.3417	53.34170	0.01935	19.8
PONDRSA-PP&L	115		71	9	1.08	22000.6	0	4382.2	18.5	22069.3	21947.4	4395.9	17.5	21924.5	21924.5	4367	16.7	16.7	19009.8	0	3786.5	18.4	0.17558	0.00133	3.24174	0.02451	0.17725	3.25645	0.23263	0.00176	3.25756	3.25756	0.02463	22.1
PORT ANG	69	POAN	11	3	1.07	8842.8	0	1056.8	10.5	9361.0	10221.1	1118.7	11.9	9460.6	9460.6	1130.7	13	13	7639.3	0	913	10.5	0.45803	0.00962	4.8114	0.10106	0.46175	4.83496	0.12325	0.00259	3.86601	3.86601	0.08120	10.2
PORT ANG	115	POAN	11	3	1.06	5133.4	0	1022.5	11.2	5532.1	6403.7	1101.9	12.1	5690.7	5690.7	1133.5	12.6	12.6	4439.2	0	884.2	11.2	1.21498	0.00919	13.6485	0.10320	1.22234	13.6878	0.49773	0.00376	9.62909	9.62909	0.07281	6.4
PORT ANG BK1	13.8	Bk1 tert	11	3	1.07	16929.8	0	404.7	13.2	14647.4	0.0	350.1	13.2	0.0	0	0	816.4	N/A	14647.4	0	350.1	13.2	0.03804	0.01997	0.50202	0.26361	0.03818	0.50299	0	0.00000	-5.00E+07	0.00000	0.00000	16.9
PORT ANG BK1	69	POAN	11	3	1.07	8779.9	0	1049.3	10.5	9299.1	10165.9	1111.4	11.9	9401.0	9401	1123.5	12.9	12.9	7585.1	0	906.5	10.5	0.46126	0.00969	4.84678	0.10180	0.46497	4.87029	0.12402	0.00260	3.88344	3.88344	0.08157	10.2
PORT ANG BK3	230	POAN	11	3	1.06	3203.8	0	1276.3	8.5	3423.2	3838.3	1363.7	9.2	3488.4	3488.4	1389.7	9.7	9.7	2771.0	0	1103.9	8.5	5.17956	0.00979	43.8223	0.08284	5.20446	43.935	2.10092	0.00397	33.1816	33.18160	0.06273	3.8
PORT ANG BK4	230	POAN	11	3	1.07	3288.0	0	1309.9	7.1	3921.2	5130.1	1562.1	8.1	4001.8	4001.8	1594.2	8.2	8.2	2842.7	0	1132.4	7.1	6.03342	0.01141	42.8215	0.08095	6.06844	42.9655	0.80618	0.00152	20.0221	20.02210	0.03785	5.1
PORT ORF	12.5	POOF	6	3	1.13	3066.6	0	66.4	14.1	3143.0	3326.1	68	14.5	3191.0	3191	69.1	14.8	14.8	2655.6	0	57.5	14.1	0.18743	0.11996	2.64766	1.69450	0.18745	2.64784	0.14058	0.08997	2.33953	2.33953	1.49730	3.3
PORT ORF	115	T 24/10	6	3	1.08	2967.8	0	591.1	6.6	2690.7	1544.0	536	6.6	2030.6	2030.6	404.5	6.9	6.9	2569.4	0	511.8	6.6	3.6282	0.02743	23.8611	0.18042	3.62991	23.8755	7.92559	0.05993	56.9886	56.98860	0.43092	3.0
PORTAL WAY	230	POR	9	10	1.15	33417.6	0	13312.6	15.0	33902.0	34534.0	13505.6	14.2	33930.7	33930.7	13517	13.5	13.5	28909.1	0	11516.6	15	0.30462	0.00058	4.56335	0.00863	0.30577	4.57324	0.3891	0.00074	4.33944	4.33944	0.00820	34.5
POTHOLES	230	POTH	17	3	1.05	12731.8	0	5072.0	7.6	11540.2	6803.3	4597.3	7.6	8860.9	8860.9	3529.9	7.5	7.5	11017.3	0	4389	7.6	1.4286	0.00270	10.8922	0.02059	1.42924	10.9097	3.37219	0.00637	25.1399	25.13990	0.04752	12.7
POTLATCH	12.5	POTL	11	3	1.12	3244.1	0	70.2	12.8	3297.7	3388.0	71.4	13.3	3314.4	3314.4	71.8	13.8	13.8	2809.4	0	60.8	12.8	0.19518	0.12492	2.48987	1.59352	0.19522	2.49	0.14053	0.08994	2.33432	2.33432	1.49396	3.4
POTLATCH	34.5	POTLATCH	11	3	1.07	2640.5	0	157.8	11.3	2740.6	2906.1	163.8	12.2	2767.0	2767	165.3	13.1	13.1	2286.6	0	136.6	11.3	0.71604	0.06016	8.06868	0.67790	0.7163	8.06963	0.33517	0.02816	6.98463	6.98463	0.58682	2.9
POTLATCH	115	T 14/2-3	11	3	1.07	5584.6	0	1112.4	2.8	5143.0	2683.4	1024.4	3	3627.3	3627.3	722.5	3.6	3.6	4834.3	0	962.9	2.8	4.23187	0.03200	12.0451	0.09108	4.23475	12.0556	7.33278	0.05545	32.7103	32.71030	0.24734	5.6
PRIEST R	34.5	PRRV	16	3	1.09	2422.9	0	144.8	18.6	2511.7	2695.8	150.1	20.3	2551.0	2551	152.4	21.7	21.7	2097.4	0	125.3	18.6	0.48184	0.04048	8.9748	0.75403	0.48433	8.98251	0.21493	0.01806	7.6241	7.62410	0.64055	2.7
PRIEST R	115	PRRV	16	3	1.04	5490.6	0	1093.7	4.6	4996.3	2756.3	995.2	4.7	3659.2	3659.2	728.9	5.3	5.3	4739.7	0	944.1	4.6	2.69336	0.02037	12.3075	0.09306	2.7185	12.3853	5.11125	0.03865	31.0364	31.03640	0.23468	5.5
PRIEST R TAP	115	T 7/9	16	3	1.04	6846.4	0	1363.7	6.5	6225.2	3733.8	1240	6.5	4813.1	4813.1	958.7	6.9	6.9	5905.6	0	1176.3	6.4	1.54405	0.01168	9.98514	0.07550	1.56919	10.063	3.09029	0.02337	22.6195	22.61950	0.17104	6.8
PRIEST R-AVA	115	T 6/2	16	3	1.04	7407.1	0	1475.4	6.6	6787.6	4297.7	1352	6.7	5425.9	5425.9	1080.8	7.1	7.1	6398.6	0	1274.5	6.6	1.40307	0.01061	9.2332	0.06982	1.41794	9.27859	2.53878	0.01920	19.3588	19.35880	0.14638	7.4
PRIEST RAP 1	230	P RAPID1	25	21	1.04	14699.0	0	5855.7	11.6	13952.6	10597.5	5558.3	10.7	12307.4	12307.4	4902.9	9.3	9.3	12719.2	0	5067	11.6	0.81406	0.00154	9.40364	0.01778	0.81474	9.4193	1.97648	0.00374	14.8032	14.80320	0.02798	14.7
PRIEST RAP 2	230		25	21	1.05	14454.1	0	5758.1	11.5	13725.0	10358.2	5467.7	10.6	12060.6	12060.6	4804.6	9.1	9.1	12507.6	0	4982.7	11.5	0.83038	0.00157	9.56464	0.01808	0.83102	9.58005	2.10316	0.00398	15.167	15.16700	0.02867	14.5
PRIEST RAP 3	230		25	21	1.05	19147.8	0	7628.0	11.4	17971.2	12256.0	7159.2	10.3	14928.8	14928.8	5947.2	8.2	8.2	16557.9	0	6596.2	11.4	0.63683	0.00120	7.24789	0.01370	0.6383	7.26944	2.10083	0.00397	13.2745	13.27450	0.02509	19.1
PROSSER	115	PROS	25	3	1.04	3541.6	0	705.4	2.5	3298.8	1748.7	657.1	2.7	2344.3	2344.3	467	3.4	3.4	3064.7	0	610.5	2.5	7.19206	0.05438	18.024	0.13629	7.20613	18.0507	10.6887	0.08082	48.2221	48.22210	0.36463	3.5
PROSSER 1	12.5	PROS	25	1	1.04	7235.2	0	156.6	7.8	7703.2	8439.0	166.8	8.6	7791.4	7791.4	168.7	9.3	N/A	6264.9	0	135.6	7.8	0.13124	0.08399	1.02414	0.65545	0.1314	1.02445	0.04627	0.00000	0.81119	0.00000	0.00000	8.4
PROSSER 2	12.5	PROS	25	1	1.04	6825.3	0	147.8	8.4	7239.6	7883.7	156.7	9.3	7316.9	7316.9	158.4	10	N/A	5910.0	0	128	8.4	0.12971	0.08301	1.08681	0.69556	0.12987	1.08712	0.04473	0.00000	0.87386	0.00000	0.00000	7.9
PROSSER TAP	115	T 6/5-6	25	3	1.04	4963.4	0	988.6	2.7	4650.2	2667.3	926.2	2.9	3472.1	3472.1	691.6	3.5	3.5	4293.8	0	855.3	2.7	4.80483	0.03633	12.9865	0.09820	4.8189	13.0131	6.48782	0.04906	31.1553	31.15530	0.23558	5.0
PYRAMID	115	PYRAMID	2	1	1.06	7514.7	0	1496.8	5.9	6990.2	5023.1	1392.4	5.9	6021.4	6021.4	1199.4	6	6	6507.9	0	1296.3	5.9	1.57873	0.01194	9.27188	0.07011	1.58013	9.27151	2.62714	0.01986	16.1916	16.19160	0.12243	7.5
QUILCENE	115	T 50/2-3	11	630	1.07	4173.9	0	831.4	3.6	3847.1	2155.9	766.3	3.7	2843.9	2843.9	566.5	4.4	4.4	3613.2	0	719.7	3.6	4.60996	0.03486	16.3885	0.12392	4.61362	16.4016	7.50064	0.05672	40.2802	40.28020	0.30458	4.2
RADAR	115	RADAR	20	1	1.03	2461.7	0	490.3	5.2	2211.0	1102.0	440.4	5.3	1522.3	1522.3	303.2	5.6	5.6	2131.6	0	424.6	5.2	5.24617	0.03967	27.3983	0.20717	5.24675	27.469	13.3465	0.10092	78.4104	78.41040	0.59290	2.5
RADAR TAP	115	T 21/9	20	3	1.03	2637.7	0	525.4	6.2	2360.3	1184.7	470.1	6.2	1634.8	1634.8	325.6	6.2	6.2	2284.0	0	454.9	6.2	4.15768	0.03144	25.7001	0.19433	4.15825	25.7087	11.7036	0.08850	73.0098	73.00980	0.55206	2.6
RAFT	138	RAFT	24	1	1.05	4825.4	0	1153.4	5.1	4338.9	2235.6	1037.1	5	3050.9	3050.9	729.2	4.8	4.8	4172.4	0	997.3	5.1	3.35217	0.01760	17.0073	0.08931	3.36624	17.06	10.1428	0.05326	46.4374	46.43740	0.24384	4.8
RAINBW V	115	RAVA	4	1	1.09	11660.7	0	2322.6	3.9	10668.1	6008.7	2124.9	4	7922.6	7922.6	1578.1	4.5	4.5	10085.3	0	2008.8	3.9	1.55955	0.01179	6.02154	0.04553	1.56025	6.03815	2.87494	0.02174	14.7432	14.74320	0.11148	11.7
RAINBW V TAP	115	T 2/2	4	3	1.09	21187.8	0	4220.3	10.6	19780.7	14280.2	3940	10.3	17020.8	17020.8	3390.3	9.5	9.5	18304.8	0	3646	10.7	0.32035	0.00242	3.40826	0.02577	0.32106	3.42487	0.69405	0.00525	5.88098	5.88098	0.04447	21.2
RAINIER	115	T 18/6-7	5	3	1.07	12005.5	0	2391.3	5.4	10830.3	5668.4	2157.2	5.4	7702.3	7702.3	1534.2	5.8	5.8	10398.6	0	2071.3	5.4	1.08695	0.00822	5.84403	0.04419	1.09213	5.84129	2.56568	0.01940	15.7025	15.70250	0.11873	12.0
RALSTON	115	RALSTON	20	1	1.05	2408.9	0	479.8	1.8	2255.4	1063.5	449.2	1.9	1481.7	1481.7	295.1	2.6	2.6	2085.2	0	415.3	1.8	14.1899	0.10730	25.2701	0.19108	14.1946	25.2967	22.4473	0.16973	81.3315	81.33150	0.61498	2.4
RALSTONTP115	115	RALSTONT	445	2	1.05	2917.5	0	581.1	1.7	2740.8	1321.1	545.9	1.8	1826.4	1826.4	363.8	2.5	2.5	2525.3	0	503	1.7	12.0194	0.09088	20.6915	0.15646	12.0242	20.7181	18.5764	0.14046	65.0493	65.04930	0.49187	2.9
RAPIDS-DOGW	115		17	15	1.07	23360.1	0	4653.0	12.5	25052.0	23541.4	4990	8.1	23474.1	23474.1	4675.7	6	6	20176.1	0	4018.8	12.5	0.24211	0.00183	3.03153	0.02292	0.24343	3.04786	1.00862	0.00763	2.87604	2.87604	0.02175	25.1
RAPIDS-DOGW	230		17	15	1.07	13055.7	0	5201.0	17.4	12469.7	10172.1	4967.6	18.9	11394.9	11394.9	4539.4	22	22	11266.3	0	4488.2	17.4	0.62094	0.00117	10.8223	0.02046	0.62741	10.8994	0.44196	0.00084	15.4999	15.49990	0.02930	13.1
RATHDRUM230	230	RATHDRUM	441	2	1.05	18872.7	0	7518.3	12.3	18360.6	16518.0	7314.3	12.3	17666.1	17666.1	7037.7	12.2	12.2	16389.7	0	6529.2	12.4	0.59474	0.00112	7.3316	0.01386	0.58731	7.29128	0.7479	0.00141	8.87225	8.87225	0.01677	18.9
RATLSNAK-NWE	230	RATLSNAK	14	40	1.12	6867.7	0	2735.9	6.8	6946.2	6511.2	2767.2	7.5	6698.1	6698.1	2668.3	8.5	8.5	5957.1	0	2373.1	6.8	3.16326	0.00598	21.4784	0.04060	3.14272	21.4117	1.47459	0.00279	23.4348	23.43480	0.04430	6.9
RATTLESNAK B	12.5	RATL	25	23	1.04	3319.5	0	71.9	13.0	3361.2	3449.5	72.8	13.2	3383.2	3383.2	73.2	13.5	13.5	2874.7	0	62.2	13	0.17401	0.11137	2.25657	1.44420	0.17401	2.25664	0.14497	0.09278	2.13048	2.13048	1.36351	3.4
RATTLESNAK B	115	T 17/4-5	25	3	1.04	6311.7	0	1257.2	4.3	5765.0	3232.1	1148.3	4.5	4274.8	4274.8	851.5	5	5	5464.6	0	1088.5	4.3	2.45808	0.01859	10.6715	0.08069	2.45842	10.6777	4.61897	0.03493	26.2117	26.21170	0.19820	6.3
RATTLESNK RD	230		23	1	1.03	9133.6	0	3638.6	12.6	9769.5	11301.2	3891.9	13.4	10044.8	10044.8	4001.5	13.9	13.9	7864.5	0	3133	12.6	1.18345	0.00224	14.8957	0.02816	1.18643	15.0688	0.56031	0.00106	10.6917	10.69170	0.02021	11.3
RAVER NORTH	525	RAVE	8	3	1.04	30098.1	0	27369.0	17.8	28360.0	20157.9	25788.5	14.6	23955.5	23955.5	21783.4	10.5	10.5	25848.2	0	23504.5	17.5	0.58671	0.00021	10.4568	0.00379	0.62075	10.6313	2.52049	0.00091	18.2116	18.21160	0.00661	30.1
RAYMOND	115	RAYM	10	3	1.07	4962.1	0	988.4	4.3	4508.9	2373.4	898.1	4.4	3209.3	3209.3	639.2	5	5	4294.0	0	855.3	4.3	3.22799	0.02441	13.9138	0.10521	3.23977	13.9339	6.46759	0.04890	37.1308	37.13080	0.28076	5.0
Rdbt Rdmd	230	Rdbt	21	7	1.04	15528.6	0	6186.2	16.7	15869.9	16888.6	6322.1	16.2	16041.4	16041.4	6390.5	15.8	15.8	13332.6	0	5311.3	16.7	0.52981	0.00100	8.868	0.01676	0.53876	9.02182	0.5612	0.00106	7.85807	7.85807	0.01485	16.9
READ TAP	115	T 3/12	3	3	1.07	12308.7	0	2451.7	5.9	11559.8	8621.9	2302.5	6	10140.2	10140.2	2019.8	6.2	6.2	10658.9	0	2123.1	5.9	0.97348	0.00736	5.70939	0.04317	0.9745	5.71003	1.40916	0.01066	9.40277	9.40277	0.07110	12.3
REATA	115	REAT	20	3	1.03	8456.4	0	1684.4	4.8	7584.9	3527.8	1510.8	4.9	4975.9	4975.9	991.1	5.4	5.4	7318.6	0	1457.8	4.8	1.65377	0.01250	7.94665	0.06009	1.65501	7.95735	4.17739	0.03159	24.7967	24.79670	0.18750	8.5
RED MTN WT1	115	RDMT	25	3	1.04	10621.0	0	2115.6	5.3	9677.4	5503.7	1927.6	5.5	7242.6	7242.6	1442.6	6	6	9187.1	0	1829.9	5.3	1.19986	0.00907	6.36785	0.04815	1.2029	6.38303	2.27609	0.01721	15.3702	15.37020	0.11622	10.6
REDMOND	69	RDMD	21	3	1.06	3074.0	0	367.4	27.8	2854.0	1983.8	341.1	25.8	2410.2	2410.2	288	22.1	22.1	2660.7	0	318	27.8	0.49477	0.01039	13.7544	0.28890	0.49654	13.7693	1.39287	0.02926	25.0848	25.08480	0.52688	3.1
REDMOND MB1	115	RDMD	21	3	1.06	16752.5	0	3336.9	9.3	16817.5	16771.0	3349.8	9.6	16687.7	16687.7	3324	9.9	9.9	14443.6	0	2877	9.3	0.44997	0.00340	4.18155	0.03162	0.45512	4.21877	0.36729	0.00278	4.20166	4.20166	0.03177	16.8
REDMOND MB1	230	RDMD	21	3	1.06	11591.3	0	4617.7	8.0	11152.5	9535.1	4442.8	8.3	10393.0	10393	4140.3	8.8	8.8	9970.4	0	3971.9	8	1.49726	0.00283	12.0401	0.02276	1.51684	12.2044	1.55921	0.00295	16.0925	16.09250	0.03042	11.6
REDMOND-BK3	13.8	Bk3 tert	21	3	1.06	19516.7	0	466.5	22.0	16891.8	0.0	403.8	21.9	0.0	0	0	1170.2	N/A	16891.8	0	403.8	21.9	0.01971	0.01035	0.43306	0.22740	0.01979	0.43357	0	0.00000	-5.00E+07	0.00000	0.00000	19.5
REDMOND-BK5	115	RDMD	21	3	1.06	16654.1	0	3317.3	9.4	16716.3	16671.2	3329.7	9.7	16589.2	16589.2	3304.3	10	10	14358.9	0	2860.1	9.4	0.44782	0.00339	4.20646	0.03181	0.45296	4.24382	0.36658	0.00277	4.22689	4.22689	0.03196	16.7
REDMOND-BK5	230	RDMD	21	3	1.06	11573.8	0	4610.7	8.1	11132.5	9508.7	4434.9	8.3	10370.2	10370.2	4131.2	8.8	8.8	9955.4	0	3966	8.1	1.4974	0.00283	12.0587	0.02280	1.51699	12.2229	1.56417	0.00296	16.1447	16.14470	0.03052	11.6
REDMOND-PP&L	69		71	9	1.06	2759.6	0	329.8	14.3	2535.5	1627.5	303	13.8	2046.5	2046.5	244.6	12.5	12.5	2388.7	0	285.5	14.3	1.07234	0.02252	15.2943	0.32124	1.07411	15.3091	2.78911	0.05858	31.2204	31.22040	0.65575	2.8
REDMOND-PP&L	115		71	9	1.06	13236.0	0	2636.4	6.7	12161.0	8226.2	2422.3	6.7	10114.3	10114.3	2014.6	6.7	6.7	11426.4	0	2276	6.7	0.79251	0.00599	5.27326	0.03987	0.797	5.30686	1.48795	0.01125	10.1273	10.12730	0.07658	13.2
REEDSPORT	12.5	REED	6	3	1.14	7270.6	0	157.4	12.4	7530.6	8045.6	163	13.2	7637.9	7637.9	165.4	13.8	N/A	6295.8	0	136.3	12.4	0.09111	0.05831	1.12791	0.72186	0.09116	1.12818	0.05122	0.00000	0.967	0.00000	0.00000	8.0
REEDSPORT	115	REED	6	3	1.09	5666.3	0	1128.7	4.0	5423.3	4144.6	1080.2	4.2	4785.2	4785.2	953.1	4.6	4.6	4903.2	0	976.6	4	3.05934	0.02313	12.3433	0.09333	3.06332	12.3637	3.40782	0.02577	19.4519	19.45190	0.14708	5.7
REEDSPRT-CLP	115	RECL	6	1	1.09	5644.0	0	1124.2	4.0	5399.3	4114.6	1075.5	4.2	4757.2	4757.2	947.6	4.6	4.6	4883.9	0	972.8	4	3.07654	0.02326	12.3909	0.09369	3.08052	12.4113	3.44221	0.02603	19.6132	19.61320	0.14830	5.6
REPUBLIC	34.5	REPU	16	3	1.04	2070.7	0	123.7	6.4	2310.1	2700.0	138	7.3	2348.3	2348.3	140.3	7.8	7.8	1795.9	0	107.3	6.4	1.53638	0.12908	9.8758	0.82972	1.52834	9.84763	0.30685	0.02578	6.49948	6.49948	0.54606	2.7
REPUBLIC	115	REPU	16	3	1.04	1727.9	0	344.2	2.7	1603.1	834.9	319.3	2.9	1132.0	1132	225.5	3.6	3.6	1502.5	0	299.3	2.7	13.6615	0.10330	37.5147	0.28367	13.5721	37.2017	22.1652	0.16760	101.306	101.30600	0.76602	1.7
RESTON	230	REST	4	3	1.04	6771.5	0	2697.6	7.5	6344.4	4721.7	2527.4	7.4	5555.8	5555.8	2213.3	7.1	7.1	5855.7	0	2332.7	7.5	2.68884	0.00508	20.2848	0.03835	2.69547	20.345	5.02048	0.00949	33.4632	33.46320	0.06326	6.8
RESTON TAP	230	T 69/1	4	3	1.06	4253.3	0	1694.4	6.5	4004.6	3028.9	1595.3	6.7	3535.5	3535.5	1408.4	7	7	3680.6	0	1466.2	6.5	5.02233	0.00949	32.6747	0.06177	5.02872	32.726	6.88641	0.01302	52.7005	52.70050	0.09962	4.3
RICHLAND	115	RICH	25	3	1.04	12272.4	0	2444.5	5.9	11068.0	5861.1	2204.6	6	7925.5	7925.5	1578.6	6.3	6.3	10617.2	0	2114.8	5.9	0.94281	0.00713	5.52494	0.04178	0.94446	5.53647	2.17007	0.01641	14.6573	14.65730	0.11083	12.3
RILEY	115	T 92/4-5	21	3	1.08	1427.7	0	284.4	3.3	1380.7	1078.9	275	3.5	1229.5	1229.5	244.9	3.8	3.8	1236.2	0	246.2	3.3	14.5139	0.10975	48.1501	0.36408	14.5175	48.1653	15.2631	0.11541	73.1821	73.18210	0.55336	1.4
RINGOLD	13.8	RINGOLD	20	3	1.03	5956.8	0	142.4	15.4	6014.1	6479.5	143.8	15.7	6030.2	6030.2	144.1	15.9	15.9	5010.4	0	119.8	15.9	0.08935	0.04692	1.37629	0.72269	0.08904	1.45814	0.07771	0.04081	1.24474	1.24474	0.65361	6.5
RINGOLD	115	T 8/8.1	20	3	1.04	7379.9	0	1470.0	5.9	6585.1	3109.4	1311.7	6	4363.1	4363.1	869.1	6.3	6.3	6373.1	0	1269.4	5.9	1.55513	0.01176	9.19075	0.06950	1.56504	9.24278	4.28162	0.03238	28.2838	28.28380	0.21387	7.4
RIPARIA	69	RIPARIA	18	1	1.01	454.8	0	54.4	5.3	459.2	470.8	54.9	5.4	461.7	461.7	55.2	5.4	5.4	393.1	0	47	5.4	16.2684	0.34170	86.9294	1.82586	16.27	87.2941	14.8847	0.31264	82.7807	82.78070	1.73873	0.5
RIVER R EWEB	115	RIVER RD	4	20	1.10	19208.4	0	3826.0	8.0	17614.1	11351.8	3508.5	7.8	14229.5	14229.5	2834.3	7.5	7.5	16587.0	0	3303.9	8	0.47367	0.00358	3.7814	0.02859	0.47474	3.80346	1.09746	0.00830	7.71218	7.71218	0.05832	19.2
RIVER ROAD	115		2	19	1.07	35002.4	0	6972.0	11.1	35137.7	34535.3	6998.9	11.3	34789.2	34789.2	6929.5	11.6	11.6	30331.4	0	6041.6	10.7	0.1822	0.00138	2.01871	0.01526	0.19459	2.0151	0.14921	0.00113	2.06155	2.06155	0.01559	35.1
RIVERTON TAP	138	T 4/20	24	3	1.06	9151.9	0	2187.5	5.0	8404.9	5380.9	2009	4.9	6768.3	6768.3	1617.8	4.7	4.7	7915.1	0	1891.9	5	1.81877	0.00955	9.06975	0.04763	1.83064	9.09267	4.14197	0.02175	18.5439	18.54390	0.09737	9.2
RND UP-PPL	69		70	9	1.04	4433.6	0	529.9	10.6	3977.4	1842.4	475.3	10.1	2602.7	2602.7	311.1	8.4	8.4	3838.6	0	458.8	10.6	0.88482	0.01858	9.34555	0.19629	0.88571	9.3505	3.87223	0.08133	28.944	28.94400	0.60794	4.4
ROCK CRE BK1	34.5	Bk1 tert	22	3	1.01	25404.8	0	1518.1	47.9	22005.2	0.0	1314.9	47.8	0.0	0	0	4598.6	N/A	22005.2	0	1314.9	47.8	0.01649	0.00139	0.78968	0.06635	0.01655	0.78939	0	0.00000	-5.00E+07	0.00000	0.00000	25.4
ROCK CREEK	230	RKCR	22	3	1.06	23925.9	0	9531.4	31.2	24513.5	25055.0	9765.5	25.6	24519.6	24519.6	9767.9	22	22	20754.3	0	8267.9	30.9	0.18798	0.00036	5.85875	0.01108	0.19061	5.83955	0.39902	0.00075	5.44358	5.44358	0.01029	25.1
ROCK CREEK	525	RKCR	22	3	1.02	25886.9	0	23539.6	20.1	24241.5	17055.7	22043.4	17.7	20530.2	20530.2	18668.7	13.9	13.9	22379.1	0	20349.9	19.9	0.59106	0.00021	11.9037	0.00432	0.60554	11.9452	2.04794	0.00074	21.1184	21.11840	0.00766	25.9
ROCKY R BK1	230	RKYR	17	3	1.06	37420.8	0	14907.4	15.9	38417.7	41360.0	15304.5	15.2	38846.5	38846.5	15475.4	14.7	14.7	32038.4	0	12763.2	15.9	0.2363	0.00045	3.76547	0.00712	0.244	3.85206	0.25771	0.00049	3.26067	3.26067	0.00616	41.4
ROCKYFRD-GPU	230		17	21	1.05	8412.3	0	3351.2	10.2	7693.3	4883.8	3064.8	10.1	6176.8	6176.8	2460.7	9.9	9.9	7281.7	0	2900.8	10.2	1.6179	0.00306	16.5523	0.03129	1.61832	16.5687	3.59998	0.00681	34.4849	34.48490	0.06519	8.4
ROCKYRH2	230	ROCKY RH	17	13	1.06	37920.9	0	15106.6	19.7	38920.4	42012.7	15504.8	18.8	39403.7	39403.7	15697.3	18.1	18.1	32461.3	0	12931.7	19.5	0.18898	0.00036	3.71823	0.00703	0.19678	3.80491	0.20596	0.00039	3.20932	3.20932	0.00607	42.0
ROES COR TAP	138	T 14/5	24	3	1.06	12628.7	0	3018.6	8.4	12012.1	9460.7	2871.2	8.1	10800.9	10800.9	2581.7	7.5	7.5	10919.0	0	2609.9	8.4	0.79057	0.00415	6.66593	0.03500	0.80197	6.68659	1.53766	0.00807	9.98445	9.98445	0.05243	12.6
ROES CORNER	12.5	ROEC	24	1	1.06	7347.3	0	159.1	30.0	7455.5	7708.3	161.4	31.2	7522.9	7522.9	162.9	32.4	N/A	6362.4	0	137.8	30	0.03477	0.02225	1.04453	0.66850	0.03486	1.0447	0.02486	0.00000	0.97146	0.00000	0.00000	7.7

ROES CORNER	138	ROEC	24	1	1.06	9432.7	0	2254.6	7.4	8644.3
ROGUE	23	ROGE	6	3	1.07	8585.3	0	342.0	14.5	10052.4
ROGUE	115	ROGE	6	3	1.07	3342.8	0	665.8	7.4	3056.1
ROGUE	230	ROGE	6	3	1.06	1985.5	0	791.0	6.5	1821.0
ROSALIA115	115	ROSALIA1	446	2	1.06	4611.7	0	918.6	3.5	4204.8
ROSEBUSH	69	ROSEBUSH	22	1	1.06	873.8	0	104.4	2.3	845.4
ROSS	115	ROSS	2	3	1.07	35967.4	0	7164.2	11.0	35792.6
ROSS BK1	13.2	Bk1 tert	2	3	1.07	22526.8	0	515.0	32.5	19524.1
ROSS BK3	13.2	Bk3 tert	2	3	1.12	21585.7	0	493.5	207.9	18718.6
ROSS BK3	69	BNK3	2	3	1.08	7361.5	0	879.8	23.7	6569.7
ROSS BK4	13.2	Bk4 tert	2	3	1.07	9469.9	0	216.5	489.9	8200.7
ROSS BK4	230	ROSS	2	3	1.07	25788.0	0	10273.2	10.4	25607.9
ROSS BK4	345	ROSS	2	3	1.07	9383.2	0	5607.0	16.0	9248.1
ROSS BK5	69	BNK5	2	3	1.07	6659.9	0	795.9	38.1	5913.1
ROSS(MBE)	230	ROSS	2	3	1.07	26046.4	0	10376.2	10.3	25937.0
ROSS-CPLX1	13.2	ROSS	2	3	1.07	5719.3	0	130.8	61.7	4981.0
ROSS1 L25	13.2	ROSS1 L2	2	3	1.07	5979.7	0	136.7	122.3	5207.8
ROSS3 L27	13.2	ROSS3 L2	2	3	1.12	6106.5	0	139.6	734.8	5321.8
ROSS3 L67	13.2	ROSS3 L6	2	3	1.12	2131.8	0	48.7	2104.8	1875.9
ROSS4-L29	13.2	ROSS4 L2	2	3	1.07	2586.4	0	59.1	1793.5	2239.9
ROSS4-L30	13.2	AAL230	2	3	1.07	2563.7	0	58.6	1646.1	2220.2
Round Butte	525	Rdbt	21	7	1.03	17011.3	0	15468.8	14.7	15279.0
ROUND MTN	230		1	29	1.04	30224.6	0	12040.6	14.8	29327.3
ROUND MTN	525		1	29	1.05	25787.7	0	23449.5	10.4	22962.9
ROUND VL	69	RVLY	24	3	1.09	2071.1	0	247.5	11.9	1941.5
ROUND VL	230	RVLY	24	3	1.09	1397.1	0	556.6	6.2	1278.8
ROUNDUP	69	ROUN	23	3	1.04	4257.7	0	508.8	9.9	3821.0
ROUNDUP	230	ROUN	23	3	1.05	5793.9	0	2308.1	6.6	5645.4
Roza	34.5		25	25	1.04	1862.5	0	111.3	71.1	1612.9
ROZA	115	ROZA	25	25	1.05	6103.1	0	1215.7	3.3	5790.0
ROZA DAM	34.5		25	25	1.04	913.4	0	54.6	1.5	791.2
RUBY ST	115	RUBY	20	3	1.03	11327.8	0	2256.3	5.1	10225.8
Rvat Ross	230	Rvat	2	7	1.08	24605.6	0	9802.2	10.7	23839.9
S BREM E	115	SBR	11	10	1.07	13513.0	0	2691.6	10.7	13573.9
S BREMERTON	230	SBR	11	10	1.07	6280.4	0	2502.0	10.5	6095.8
S BUTTE	230	SOBU	24	37	1.09	1280.1	0	510.0	6.2	1161.4
S ELMA	115	S ELMA	10	1	1.08	6762.6	0	1347.0	3.0	6403.1
S KELSO-CWTZ	115	S KELSO-	5	34	1.06	16828.8	0	3352.1	6.6	15220.4
S TACOMA E	230	STAC	8	3	1.09	21847.2	0	8703.3	11.1	20388.7
SACAJWEA	115	SACA	20	3	1.02	25805.7	0	5140.1	27.2	25831.2
SACAJWEA BK1	525	SACA	20	3	1.01	16970.0	0	15431.3	21.6	15530.8
SACAJWEA TAP	115	T 1/1	20	3	1.02	25179.4	0	5015.4	24.8	25354.9
SACAJWEA TAP	525	T 27/1	20	3	1.01	20111.5	0	18288.0	22.0	18434.8
SACHEEN	115	SACH	16	3	1.05	9065.9	0	1805.8	10.8	9076.7
SACHEEN	230	SACH	16	3	1.05	8180.5	0	3258.9	9.9	7559.5
SACHEEN BK1	13.8	Bk1 tert	16	3	1.05	22465.2	0	537.0	19.2	19455.7
SAGEHILL	12.5	SAGE	20	1	1.03	6234.9	0	135.0	12.3	6592.1
SAGEHILL	115	SAGE	20	1	1.03	2901.2	0	577.9	5.6	2608.7
SAGEHILL TAP	115	T 15/5	20	3	1.03	3241.3	0	645.6	6.6	2905.7
SAGLE	115		440	2	1.04	3774.3	0	751.8	4.8	3367.7
SALEM	12.5	SALE	3	1	1.08	18585.4	0	402.4	22.0	19031.4
SALEM	115	SALE	3	3	1.08	17972.4	0	3579.8	7.5	16512.1
SALEM BK1	230	SALE	3	3	1.08	8596.4	0	3424.6	10.2	7976.7
Salkum Tp-LC	69		10	1	1.08	4503.3	0	538.2	14.4	3970.4
SAMMAMISH M	230	SAM	9	10	1.09	22091.5	0	8800.6	12.0	20568.7
SAMUELS	13.8	SAMU	16	1	1.09	3125.8	0	74.7	12.4	3186.7
SAMUELS	115	SAMU	16	3	1.04	4751.8	0	946.5	6.1	4140.1
SAND CREEK	115	SDCK	16	3	1.04	5163.9	0	1028.6	6.0	4530.7
SAND DN-GPUD	230	SAND DUN	17	21	1.05	10839.7	0	4318.2	8.3	10279.6
SAND HOL TAP	69	T15	23	3	1.04	1427.4	0	170.6	3.9	1297.2
SAND S1N	525	T 54/5	21	3	1.03	13360.8	0	12149.3	3.2	12445.2
SAND S1S	525	T 54/5	21	3	1.03	15113.7	0	13743.3	2.9	13956.3
SAND S2N	525	PGE	21	7	1.03	13011.3	0	11831.5	3.3	12111.8
SAND S2S	525	PGE	21	7	1.03	14636.8	0	13309.7	3.0	13521.7
SAND S3N	525	T 54/6	21	3	1.03	15252.1	0	13869.1	4.1	13935.7
SAND S3S	525	T 54/6	21	3	1.03	15733.5	0	14306.9	2.6	14580.6
SANDDUNES115	115	SAND DUN	17	21	1.05	15178.6	0	3023.4	7.4	16277.7
SANDFLAT-OKP	115	T-120	17	16	1.06	8011.6	0	1595.8	6.5	7275.2
SANDHILLCRN	115	T 5/8	25	3	1.04	9493.3	0	1890.9	5.9	8682.5
SANDP BPA	13.8	SAND	16	1	1.09	3142.7	0	75.1	12.2	3192.1
SANDP BPA	115	SAND	16	3	1.04	5046.5	0	1005.2	6.1	4488.6
SANDPOINT	115		441	2	1.04	4642.2	0	924.7	5.8	4132.9
SANT BK2 TAP	230	T 0/2	3	3	1.08	26600.4	0	10596.9	15.2	26071.9
SANTIAM	69	SANT	3	3	1.07	5411.4	0	646.7	30.0	6324.2
SANTIAM BK2	12.6	Bk2 tert	3	9	1.07	14429.7	0	314.9	9.9	12496.4
SANTIAM BK2	230		3	9	1.08	26288.6	0	10472.6	14.9	25711.9
SANTIAM BK4	34.5	Bk4 tert	3	3	1.02	29824.7	0	1782.2	42.9	25828.2
SANTIAM BK4	230	SANT	3	3	1.08	27195.3	0	10833.8	16.6	26781.8
SANTIAM BK4	525	SANT	3	3	1.03	20283.1	0	18443.9	17.3	18819.2
SANTIAM EAST	230	SANT	3	3	1.08	27085.0	0	10789.9	16.3	26602.5
SAPPHO	69	SAPO	11	3	1.06	2135.0	0	255.2	4.3	2593.4
SAPPHO	115	SAPO	11	3	1.06	1475.4	0	293.9	3.9	1699.2
SAPPHO BK1	13.2	Bk1 tert	11	3	1.06	7319.4	0	167.3	5.8	6337.3
SATSOP	525	SATS	10	3	1.02	10919.1	0	9929.0	17.6	10462.6
SATSOP E	230	SATS	10	3	1.07	21199.4	0	8445.2	12.8	21171.7
SATSOP PARK	115	SATSOP M	10	1	1.07	6988.1	0	1391.9	3.0	6650.5
SCARCELLO	24.9	SCARCELL	16	1	1.04	3962.6	0	170.9	22.8	4031.0
SCARCELLO115	115	SCARCELL	441	2	1.04	10961.7	0	2183.4	5.6	9942.3
SCHRAG	24.9		17	1	1.05	5169.9	0	223.0	8.0	5636.8
SCHRAG	115	SCHRAG	17	21	1.05	3752.5	0	747.4	2.9	3418.0
SCHRAGTAP	115	SCHRAG *	17	21	1.05	7555.5	0	1505.0	4.6	6805.8
SCHULTZ EAST	525	SHUL	17	3	1.03	37212.2	0	33838.0	20.6	33879.4
SCHULTZ SS	230	SHUL	17	3	1.06	7943.1	0	3164.3	10.1	7351.1
SCHULTZ1W	525	RV S CAP	17	3	1.02	37740.8	0	34318.7	1.3	36120.5
SCHULTZ2W	525	EL S CAP	17	3	1.02	37964.9	0	34522.5	1.4	36289.9
SCOOTNEY	13.8	SCOO	20	3	1.03	2462.8	0	58.9	13.5	2538.5
SCOOTNEY	34.5	SCOO	20	3	1.03	1538.4	0	91.9	13.6	1482.2
SCOOTNEY	115	SCOO	20	3	1.03	2177.5	0	433.7	5.3	1950.7
SCOOTNEY TAP	115	T 15/2-3	25	3	1.03	8077.9	0	1609.0	6.5	7301.8
SCOVILLE	69	SCOVILLE	72	9	1.13	5625.2	0	672.3	11.3	6732.2
SECOND LIFT2	34.5	2ND LFT2	24	1	1.04	4248.3	0	253.9	9.2	4036.4
SEDRO	230	SED	9	10	1.10	24027.3	0	9571.8	11.5	22312.0
SEDRO E	115	SED	9	10	1.09	31041.0	0	6182.9	13.1	30629.1
SELLE	13.8	SELL	16	1	1.04	7068.3	0	168.9	19.5	7341.2
SELLE	115	SELL	16	3	1.04	5072.2	0	1010.3	6.0	4443.4
SEUFERT-NWC	115		22	1	1.07	18309.5	0	3647.0	13.2	17126.4
SHANO TAP	115	T 8/7	20	3	1.04	2367.8	0	471.6	2.7	2162.9
SHANO-BBEC	115		20	1	1.04	2190.9	0	436.4	2.8	1998.2
SHAWN-CWTZ	115	SHAWN-CW	5	34	1.06	19698.0	0	3923.6	7.5	18025.0
SHELTON	115	SHEL	11	3	1.08	18719.6	0	3728.7	10.7	17756.2
SHELTON BK1	13.2	Bk1 tert	11	3	1.08	28380.0	0	648.9	18.6	24572.1
SHELTON S	230	SHEL	11	3	1.07	16034.7	0	6387.8	11.4	15015.0
SHEPARDS FL	230	SPFT	23	1	1.02	14967.5	0	5962.6	28.3	14666.3
Sherwood V70	230	Shwd	3	7	1.09	33837.7	0	13480.0	14.8	33478.2
Sherwood V71	230	Shwd	3	7	1.09	33850.5	0	13485.1	14.8	33490.2
Sherwood V73	230	Shwd	3	7	1.09	33849.3	0	13484.6	14.8	33489.4
SICKLER BK1	230	SCLR	17	3	1.06	36736.8	0	14634.9	20.5	36539.7
SICKLER N	525	SCLR	17	3	1.02	20481.8	0	18624.6	22.6	19054.8
SIFTON	115	SIFT	2	3	1.07	30626.6	0	6100.4	11.0	29101.8
SIFTON BK1	13.8	Bk1 tert	2	3	1.07	38795.9	0	927.3	17.9	33592.0
SIFTON BK1	230	SIFT	2	3	1.07	15672.0	0	6243.3	9.9	15139.7
SIFTON BK2	13.8	Bk2 tert	2	3	1.07	38631.4	0	923.4	17.6	33449.6
SIFTON BK2	230	SIFT	2	3	1.07	15598.3	0	6213.9	9.5	15089.3
SIFTON TAP 1	230	T 28/5	2	3	1.07	16566.2	0	6599.5	9.2	15957.5
SIFTON TAP 2	230	T 29/1	2	3	1.07	16629.5	0	6624.7	9.7	16026.8
SILVER CREEK	69	SICR	10	3	1.08	4542.0	0	542.8	14.6	4004.7
SILVER CREEK	230	SICR	10	3	1.06	9871.6	0	3932.6	8.8	9814.2
Silverado	115	T 18/4	11	3	1.06	2543.2	0	506.6	4.8	2461.7
SILVR BW	69	SIBO	14	3	1.19	4409.0	0	526.9	8.2	4628.2
SILVR BW	115	SIBO	14	3	1.20	4746.1	0	945.4	7.0	4567.9
SILVR BW BK1	13.8	Bk1 tert	14	3	1.14	7200.7	0	172.1	31.7	6237.0
SKOOKUM	12.5	SKKM	11	3	1.08	8273.6	0	179.1	17.6	8426.8
SKOOKUM	115	SKKM	11	3	1.08	10884.6	0	2168.1	4.9	9886.1
SKOOKUM TAP	115	T 13/3	11	3	1.08	11582.5	0	2307.1	5.0	10526.8
SLATT BK1	34.5	Bk1 tert	23	3	1.02	25665.3	0	1533.6	50.6	22222.8
SLATT E	525	SLAT	23	3	1.02	31638.2	0	28769.5	23.6	30088.1
SLATT W	230	SLTT	23	3	1.02	22393.6	0	8921.0	35.3	23007.5
SMITH C FPUD	115		20	1	1.02	4689.3	0	934.0	3.9	4293.7
SMITH CK FLS	13.8		16	1	1.02	16861.1	0	403.0	14.2	10599.8
SMITH CK FLS	115		16	1	1.03	2312.2	0	460.6	5.4	2413.7
SMITHSON	12.5		17	1	1.07	7662.7	0	165.9	13.1	7992.4
SMITHSON	115		17	1	1.07	4628.7	0	922.0	5.1	4199.3
SMITHSON TAP	115	34/8-35	17	3	1.07	4638.6	0	923.9	5.1	4208.4
SNAKE RV-LVE	115		24	33	1.06	3371.4	0	671.5	6.5	3318.1
SNIPES	12.47	SNIP	25	1	1.04	3178.5	0	68.7	12.5	3228.3
SNIPES	115	T 11/3.1	25	3	1.04	5484.2	0	1092.4	2.9	5172.1
SNK RV-INLD	13.8	SNK RV-I	18	1	1.01	12500.9	0	298.8	5.4	10714.8
SNK RV-INLD	69	SNK RV-I	18	1	1.01	485.9	0	58.1	7.2	506.2
SNOHOMS(MB2)	115	SNOH	9	3	1.09	41927.7	0	8351.4	12.3	41640.2
SNOHOMS(MB2)	230	SNOH	9	3	1.10	35760.9	0	14246.1	10.6	33677.9
SNOHOMSH BK2	13.2	Bk2 tert	9	3	1.09	42097.7	0	962.5	29.4	36428.6
SNOHOMSH BK3	13.2	Bk3 tert	9	3	1.09	41875.6	0	957.4	29.7	36236.7
SNOHOMSH BK5	345	SNOH	9	3	1.09	12017.1	0	7180.9	17.8	11570.0
SNOHOMSH BK6	345	SNOH	9	3	1.09	11647.6	0	6960.1	17.9	11195.9
SNOHOMSH2SS	13.2	Bk2 SS	9	3	1.09	2568.5	0	58.7	481.8	2224.3
SNOKING	525	SNOK	9	3	1.05	17911.4	0	16287.3	16.7	17307.3
SNOKING BK1	13.2	Bk1 tert	9	3	1.10	28602.6	0	653.9	28.5	24760.9
SNOKING BK4	34.5	Bk4 tert	9	3	1.06	25893.1	0	1547.3	45.5	22419.3
SNOKING SS	13.2	Bk1 SS	9	3	1.10	1862.7	0	42.6	437.8	1613.1
SNOKING(MB2)	115	SNOK	9	3	1.10	38067.5	0	7582.5	15.4	36841.8
SNOKING(MB2)	230	SNOK	9	3	1.10	37577.4	0	14969.8	11.4	35364.8
SNOKINGTAP	525	T 23/5	9	3	1.06	23101.5	0	21006.8	16.7	21817.9
SNYDER	115	SNDR	25	3	1.04	11692.8	0	2329.0	5.7	10592.9
SOUTH FORK	115	T 23/3	3	3	1.09	5521.8	0	1099.9	4.5	4971.0
SOUTH SUB T	115	T 12/6-7	3	3	1.08	8667.3	0	1726.4	5.2	7848.4
SOUTHWST	230	SOUTHWST	40	466	1.10	22575.0	0	8993.2	12.4	20479.1
SPANGLE115	115	SPANGLE1	446	2	1.06	6009.8	0	1197.1	3.5	5453.8
SPAR CNY	230	SPCN	24	3	1.09	1539.1	0	613.1	6.2	1405.4
SPEARFISH	12.5	SPEARFSH	22	18	1.07	12101.6	0	262.0	17.8	12596.9
SPEARFISH	115	SPEARFSH	22	1	1.07	7618.1	0	1517.4	2.9	7059.4
SPEARFSH TAP	115	T 4/8	22	3	1.07	10800.6	0	2151.3	3.3	10077.5
SPIRIT	115	SPIRIT	445	2	1.03	4068.3	0	810.3	4.1	3700.8
SPIRIT TAP	115	T 18/4	16	3	1.03	5794.4	0	1154.2	10.7	5295.2
SPRING CREEK	230	SPCK	22	3	1.06	6443.3	0	2566.8	9.8	6317.4
SPRNGFLD	115	SPRNGFLD	4	1	1.10	11757.9	0	2342.0	4.5	10719.6
SPRNGHL-INLD	12.47	SPHI	16	1	1.07	7856.9	0	169.7	17.6	8037.1
SPRNGHL-INLD	115	T 45/6	16	3	1.07	8022.9	0	1598.1	6.3	7202.7
ST CLAIR	230		10	10	1.07	14326.9	0	5707.4	11.9	13279.7
ST JOHNS	59.8	STJO	2	3	1.13	17757.7	0	1839.3	10.6	17796.6
ST JOHNS	115	STJO	2	3	1.09	29345.4	0	5845.2	8.6	28458.6
ST JOHNS BK1	13.2	Bk1 tert	2	3	1.09	39342.4	0	899.5	65.0	34069.2
ST JOHNS BK1	115	STJO	2	3	1.09	28638.9	0	5704.5	8.7	27992.5
ST JOHNS BK1	230	STJO	2	3	1.06	15328.1	0	6106.3	8.8	14952.1
ST JOHNS BK5	11.5	Bk5 tert	2	3	1.13	10810.2	0	215.3	27.1	9388.3
St Marys V84	230	Stmw	3	7	1.09	26888.4	0	10711.6	12.4	26540.9
STATELINE	12.5	STAT	20	3	1.02	3510.2	0	76.0	8.7	3616.2
STATELINE	69	STAT	20	3	1.02	4662.3	0	557.2	4.6	4478.1
STATELNE TAP	69	T 15/7-8	20	3	1.02	5439.1	0	650.0	7.4	5394.6
STATION H	115	NAVY H	11	1	1.07	10530.7	0	2097.6	9.6	10099.6
STATION X	115	PSNX	11	3	1.07	10606.4	0	2112.6	9.6	10110.2
STAYTON-CPI	69	SANTIAM	3	1	1.07	3657.7	0	437.1	2.8	3531.7
STEILACOOM	12.5	STIL	8	3	1.11	8138.9	0	176.2	26.1	8222.7
STEILACOOM	115	STIL	8	3	1.11	18225.1	0	3630.2	5.7	16336.3
STEVENS DR	115	T9/7.1-2	25	3	1.04	11478.5	0	2286.4	5.6	10378.7
STEVENSON	12.5		2	1	1.06	4794.8	0	103.8	11.8	4876.8
STEVENSON	115	T 6/2	2	3	1.06	5971.2	0	1189.4	7.5	5750.5
StHelens W54	115	Sthl	5	7	1.10	9635.8	0	1919.3	4.7	8639.2
StHelens W55	115	Sthl	5	7	1.10	9636.4	0	1919.4	4.7	8639.7
STILWATR	24.9	STLW	15	3	1.04	3200.6	0	138.0	8.3	3435.7
STILWATR	115	T 28/3	15	3	1.04	2700.1	0	537.8	3.1	2506.6
SULLIVAN-VRA	13.8	SULLIVAN	16	1	1.07	6867.7	0	164.2	23.3	7014.8
SULLIVAN-VRA	115	T 2/7	16	3	1.07	8622.3	0	1717.4	5.5	7645.0
SUMMR LK	525	SUML	26	3	1.03	16616.0	0	15109.4	4.6	15180.1
SUMNER	115	TWR 34/1	6	3	1.10	5059.6	0	1007.8	4.5	4952.1
SUN HARBOR	115	SUN HARB	20	1	1.02	15883.3	0	3163.7	6.6	14847.8
SUNYSD P	115	SSPT	25	1	1.03	3542.0	0	705.5	2.9	3264.5
SUNYSD P TAP	115	T 25/9	25	3	1.03	4737.6	0	943.7	2.6	4426.5
SURPRISE LK	12.5	SULK	8	3	1.11	8715.7	0	188.7	15.2	8811.5
SURPRISE LK	115	SULK	8	3	1.11	18020.6	0	3589.5	5.3	16253.2
SWAN VAL	115	SWVY	24	3	1.05	5600.7	0	1115.6	6.6	5638.7

SWAN VAL	161	SWVY	24	3	1.05	3997.5	0	1114.8	6.3	4125.5	4151.3	1150.4	6.8	4106.9	4106.9	1145.2	7.2	7.2	3490.0	0	973.2	6.3	3.81316	0.01471	24.1422	0.09314	3.80149	23.7466	2.1844	0.00843	22.8078	22.80780	0.08799	4.2
SWAN VAL BK1	13.2	Bk1 tert	24	3	1.05	16163.4	0	369.5	13.7	14058.9	0.0	321.4	13.6	0.0	0	0	826.8	N/A	14058.9	0	321.4	13.6	0.03629	0.02083	0.49575	0.28452	0.03631	0.49142	0	0.00000	-5.00E+07	0.00000	0.00000	16.2
SWAN VAL BK2	12.5	SWVY	24	3	1.10	3148.1	0	68.2	15.1	3189.7	3286.0	69.1	15.4	3218.1	3218.1	69.7	15.6	15.6	2728.5	0	59.1	15.1	0.16643	0.10652	2.51978	1.61266	0.1664	2.51584	0.14228	0.09106	2.3603	2.36030	1.51059	3.3
SYCAN 1N	525	T 115/4	26	3	1.03	14697.8	0	13365.1	3.1	13565.0	4642.5	12335	3.4	8035.2	8035.8	7306.6	4.7	4.7	13233.5	0	12033.6	3.2	2.05757	0.00075	13.3356	0.00484	2.10239	13.4361	13.6406	0.00495	84.0279	84.02790	0.03049	14.7
SYCAN 1S	525	T 115/4	26	3	1.03	12765.5	0	11608.0	2.6	11997.8	4382.8	10909.9	2.5	8103.9	8104.6	7369.1	5.7	5.7	11503.6	0	10460.5	2.4	3.09981	0.00112	12.0678	0.00438	3.12618	12.1751	13.6111	0.00494	89.5126	89.51260	0.03248	12.8
SYCAN 2N	525	PGE	26	7	1.03	14272.6	0	12978.4	3.2	13128.1	4586.2	11937.8	3.5	7871.9	7872.6	7158.1	5	5	12814.4	0	11652.5	3.4	2.10289	0.00076	14.6499	0.00532	2.1412	14.7482	13.5946	0.00493	85.2547	85.25470	0.03093	14.3
SYCAN 2S	525	PGE	26	7	1.03	12467.4	0	11336.9	2.6	11727.4	4336.8	10664.1	2.6	7876.5	7877.1	7162.3	5.9	5.9	11254.6	0	10234.1	2.5	3.11112	0.00113	13.3848	0.00486	3.13804	13.4729	13.6327	0.00495	90.3703	90.37030	0.03279	12.5
SYCAN 3N	525	PP&L	77	9	1.03	16232.0	0	14760.2	4.8	14928.6	4855.6	13575	5.6	7913.7	7914.4	7196.2	5.7	5.7	14739.6	0	13403.1	6.2	1.70307	0.00062	17.2247	0.00625	1.73553	17.3133	17.1739	0.00623	82.4371	82.43710	0.02991	16.2
SYCAN 3S	525	PP&L	77	9	1.03	15144.7	0	13771.5	2.5	14088.5	4806.6	12811.1	2.4	8695.0	8695.7	7906.6	3.6	3.6	13621.3	0	12386.2	2.3	2.69364	0.00098	9.08052	0.00329	2.72078	9.16626	16.2825	0.00591	80.9263	80.92630	0.02936	15.1
t3ba das	115	T 12/2	11	3	1.07	6623.1	0	1319.2	5.4	5965.7	3100.6	1188.3	5.5	4221.8	4221.8	840.9	5.8	5.8	5732.9	0	1141.9	5.4	1.96024	0.01482	10.5908	0.08008	1.9631	10.6012	4.70265	0.03556	28.7586	28.75860	0.21746	6.6
t3ba das tap	115	T 12/1	11	3	1.07	6625.6	0	1319.7	5.4	5968.0	3102.0	1188.7	5.5	4223.6	4223.6	841.3	5.8	5.8	5735.1	0	1142.3	5.4	1.95892	0.01481	10.5868	0.08005	1.96178	10.5972	4.7	0.03554	28.7453	28.74530	0.21736	6.6
TABLE MTN	525		1	29	1.05	25995.6	0	23638.5	7.5	23587.6	11870.6	21448.8	7.8	16607.7	16608.8	15101.8	9.8	9.8	22794.1	0	20727.3	7.7	1.06857	0.00039	11.5539	0.00419	1.079	11.6032	3.6604	0.00133	33.7711	33.77110	0.01225	26.0
TACOMA	230	TACO	8	3	1.10	38895.9	0	15495.0	14.8	37318.5	32479.3	14866.6	13.7	34875.6	34875.6	13893.4	12.6	12.6	33182.4	0	13218.9	14.4	0.25383	0.00048	3.74646	0.00708	0.27441	3.85904	0.46794	0.00088	4.91869	4.91869	0.00930	38.9
TACOMA BK5	34.5	Bk5 tert	8	3	1.05	33838.5	0	2022.0	43.7	29244.6	0.0	1747.5	43.1	0.0	0	0	3256.5	N/A	29244.6	0	1747.5	43.1	0.01413	0.00119	0.61699	0.05184	0.01456	0.61953	0	0.00000	-5.00E+07	0.00000	0.00000	33.8
TACOMA BK5	525	TACO	8	3	1.04	18438.5	0	16766.6	17.6	17144.9	12317.2	15590.3	16.2	14650.5	14650.5	13322.1	14	14	15839.0	0	14402.9	17.2	0.97474	0.00035	17.1113	0.00621	1.02966	17.3881	2.62194	0.00095	30.0462	30.04620	0.01090	18.4
TAFT B1	525	TAFT	16	3	1.04	15252.9	0	13869.8	13.3	13771.4	6890.1	12522.7	12.4	9479.4	9479.4	8619.9	9.6	9.6	13189.0	0	11993.1	13.3	1.54138	0.00056	20.5644	0.00746	1.55248	20.6274	7.19032	0.00261	57.8217	57.82170	0.02098	15.3
TAFT-SS	12.47		16	3	1.10	726.1	0	15.7	1.3	703.6	432.5	15.2	1.4	544.6	544.6	11.8	1.7	1.7	628.8	0	13.6	1.3	6.61579	4.25450	8.62709	5.54794	6.61612	8.6275	8.80929	5.66511	20.2343	20.23430	13.01234	0.7
TAHKNICH	115	TAHK	6	3	1.08	6721.2	0	1338.8	4.9	6873.7	6664.3	1369.1	5.4	6688.8	6688.8	1332.3	5.8	5.8	5814.8	0	1158.2	4.9	2.12035	0.01603	10.4946	0.07935	2.12481	10.5161	1.19686	0.00905	10.803	10.80300	0.08169	6.9
TAHKNICH	230	TAHK	6	3	1.08	4005.3	0	1595.6	5.5	3948.9	3423.6	1573.1	5.9	3688.2	3688.2	1469.3	6.6	6.6	3464.2	0	1380	5.5	6.45855	0.01221	35.288	0.06671	6.47643	35.3804	4.67776	0.00884	44.8723	44.87230	0.08482	4.0
TAHKNICH BK1	13.8	Bk1 tert	6	3	1.08	15853.1	0	378.9	10.5	13725.3	0.0	328.1	10.5	0.0	0	0	703.8	N/A	13725.3	0	328.1	10.5	0.05161	0.02710	0.54242	0.28482	0.05168	0.54272	0	0.00000	-5.00E+07	0.00000	0.00000	15.9
TALBOT N	115	TAL	8	10	1.11	50887.7	0	10136.1	12.6	50745.6	50625.1	10107.8	12.8	50383.9	50383.9	10035.8	12.9	12.9	43746.0	0	8713.6	12.5	0.11408	0.00086	1.43745	0.01087	0.1169	1.45866	0.10583	0.00080	1.46006	1.46006	0.01104	50.9
TALBOT N	230	TAL	8	10	1.09	41916.6	0	16698.4	15.0	42274.5	42967.2	16841	14.1	42045.8	42045.8	16749.8	13.3	13.3	35965.4	0	14327.6	14.8	0.23072	0.00044	3.4606	0.00654	0.23995	3.52482	0.30772	0.00058	3.35822	3.35822	0.00635	43.0
TALBOT S	115	TAL	8	10	1.11	50886.6	0	10135.9	12.6	50744.9	50626.4	10107.7	12.8	50384.0	50384	10035.8	12.9	12.9	43745.0	0	8713.4	12.5	0.11409	0.00086	1.43747	0.01087	0.1169	1.45867	0.10584	0.00080	1.45997	1.45997	0.01104	50.9
TALBOT S	230	TAL	8	10	1.09	39196.2	0	15614.7	13.7	38964.3	37509.0	15522.3	12.6	37961.6	37961.6	15122.8	11.6	11.6	33611.6	0	13389.9	13.6	0.26993	0.00051	3.69975	0.00699	0.28045	3.77276	0.43371	0.00082	3.97598	3.97598	0.00752	39.2
TAPTEAL	115	T 4/7	25	3	1.04	11874.8	0	2365.3	6.2	10662.0	5474.2	2123.7	6.2	7486.7	7486.7	1491.3	6.5	6.5	10274.0	0	2046.4	6.2	0.92552	0.00700	5.71252	0.04319	0.92695	5.72351	2.35157	0.01778	15.7776	15.77760	0.11930	11.9
TARGHEE	46	TARG	24	3	1.05	2574.6	0	205.1	9.6	2556.9	2404.7	203.7	10	2489.5	2489.5	198.4	10.6	10.6	2232.0	0	177.8	9.5	1.12986	0.05340	10.8113	0.51093	1.1346	10.7879	0.88989	0.04206	11.9785	11.97850	0.56609	2.6
TARGHEE	115	TARG	24	3	1.05	3256.5	0	648.6	4.1	3177.1	2521.8	632.8	4.4	2853.2	2853.2	568.3	4.9	4.9	2829.1	0	563.5	4.1	5.06594	0.03831	20.8776	0.15786	5.09557	20.7316	4.41851	0.03341	30.4924	30.49240	0.23057	3.3
TARGHEE 1	12.5	TARG	24	35	1.05	3820.4	0	82.7	10.4	3935.0	4170.0	85.2	10.8	3989.4	3989.4	86.4	11.1	11.1	3310.0	0	71.7	10.4	0.19023	0.12175	1.98135	1.26806	0.19058	1.97963	0.13038	0.08344	1.73469	1.73469	1.11020	4.2
TARGHEE 2	12.5	TARG	24	35	1.05	4276.2	0	92.6	15.7	4843.5	6111.9	104.9	17.3	5034.4	5034.4	109	17.7	N/A	3705.0	0	80.2	15.7	0.11273	0.07215	1.77491	1.13594	0.11308	1.77318	0.0293	0.00000	0.97656	0.00000	0.00000	6.1
TARGHEE TAP	115	T 18/3-4	24	3	1.05	3946.7	0	786.1	5.2	3750.2	2831.8	747	5.3	3320.0	3320	661.3	5.6	5.6	3440.9	0	685.4	5.2	3.34131	0.02527	17.4303	0.13180	3.34219	17.1895	4.3921	0.03321	27.6976	27.69760	0.20943	3.9
TARLET1-PACC	115	LOBE	5	3	1.07	2044.6	0	407.3	2.8	1872.7	900.6	373	2.9	1251.8	1251.8	249.3	3.6	3.6	1770.5	0	352.7	2.8	11.6632	0.08819	32.7016	0.24727	11.668	32.7054	21.8331	0.16509	98.613	98.61300	0.74566	2.0
TARLET2-PACC	115	LOBE	5	3	1.07	2010.8	0	400.5	3.1	1833.5	872.7	365.2	3.2	1218.2	1218.2	242.6	3.9	3.9	1741.3	0	346.8	3.1	10.9106	0.08250	33.5722	0.25385	10.9154	33.576	21.4921	0.16251	102.211	102.21100	0.77286	2.0
TAYLOR FLATS	115	TAYLR FL	20	1	1.03	5428.7	0	1081.3	4.0	4891.3	2203.3	974.3	4.1	3133.8	3133.8	624.2	4.9	4.9	4698.6	0	935.9	4	3.0642	0.02317	12.1935	0.09220	3.06346	12.2091	7.01577	0.05305	39.6017	39.60170	0.29945	5.4
TERRY-DOGW	115		17	15	1.07	11126.9	0	2216.3	12.4	10243.7	6307.1	2040.4	11.5	8040.8	8040.8	1601.6	9.5	9.5	9622.7	0	1916.7	12.4	0.51179	0.00387	6.34688	0.04799	0.51341	6.36468	1.74887	0.01322	13.5765	13.57650	0.10266	11.1
TETON	115	TETN	24	3	1.06	3472.5	0	691.7	5.3	3223.2	2134.1	642	5.4	2664.5	2664.5	530.7	5.5	5.5	3031.0	0	603.7	5.3	3.74406	0.02831	19.8941	0.15043	3.73762	19.5725	6.61745	0.05004	38.4118	38.41180	0.29045	3.5
TETON CREEK	46		24	35	1.05	2080.9	0	165.8	6.1	2000.9	1596.7	159.4	5.8	1808.8	1808.8	144.1	5.3	5.3	1803.6	0	143.7	6.1	2.17985	0.10302	13.2716	0.62720	2.18459	13.2482	4.21004	0.19896	19.0989	19.09890	0.90259	2.1
TETONIA	46		24	35	1.05	1849.4	0	147.3	5.7	1705.7	1010.9	135.9	5.5	1308.6	1308.6	104.3	4.8	4.8	1602.8	0	127.7	5.7	2.60171	0.12295	14.9078	0.70453	2.60646	14.8844	8.0012	0.37813	32.9944	32.99440	1.55928	1.8
THATCH J	115	THJN	3	1	1.10	11936.8	0	2377.6	4.7	10815.7	5700.2	2154.3	4.8	7715.9	7715.9	1536.9	5.2	5.2	10336.4	0	2058.9	4.6	1.2813	0.00969	5.96148	0.04508	1.28344	5.96245	2.74792	0.02078	15.8728	15.87280	0.12002	11.9
THATCH J TAP	115	T 2/15	3	3	1.10	13225.8	0	2634.4	5.1	11980.1	6511.9	2386.3	5.2	8726.4	8726.4	1738.2	5.6	5.6	11452.5	0	2281.2	5.1	1.05779	0.00800	5.40074	0.04084	1.05994	5.40171	2.31015	0.01747	13.8255	13.82550	0.10454	13.2
THAYER DR	115	11/4.1-2	25	3	1.04	11685.9	0	2327.7	5.6	10553.6	5568.9	2102.1	5.7	7536.4	7536.4	1501.1	6.2	6.2	10110.5	0	2013.9	5.6	1.0315	0.00780	5.79683	0.04383	1.03302	5.8081	2.28653	0.01729	15.4366	15.43660	0.11672	11.7
THE DALS	115	TDAL	22	3	1.07	19179.7	0	3820.3	11.8	18106.1	13231.4	3606.5	10.9	15678.9	15678.9	3123	9.4	9.4	16627.9	0	3312	11.8	0.31435	0.00238	3.69664	0.02795	0.31413	3.68868	0.80754	0.00611	6.15384	6.15384	0.04653	19.2
THE DALS1	12.5	TDAL	22	1	1.07	9446.3	0	204.5	29.0	9542.8	9795.1	206.6	29.5	9618.1	9618.1	208.2	29.8	N/A	8181.2	0	177.1	29	0.02818	0.01804	0.81843	0.52380	0.02817	0.81833	0.02446	0.00000	0.77474	0.00000	0.00000	9.8
THE DALS2	12.5	TDAL	22	1	1.07	9132.7	0	197.7	30.7	9223.0	9458.3	199.7	31.1	9293.1	9293.1	201.2	31.6	N/A	7909.6	0	171.2	30.7	0.02761	0.01767	0.84645	0.54173	0.0276	0.84636	0.02389	0.00000	0.80277	0.00000	0.00000	9.5
THIRD LIFT	34.5	3RD LIFT	24	1	1.04	3850.6	0	230.1	5.5	3603.0	2661.3	215.3	5.5	3146.9	3146.9	188	5.7	5.7	3334.2	0	199.2	5.5	0.97155	0.08163	5.31439	0.44649	0.97205	5.31614	1.50187	0.12618	8.89997	8.89997	0.74774	3.9
THREE LAKES	115	THREE LA	300	12	1.09	14733.5	0	2934.7	6.8	13229.4	7255.2	2635.1	6.8	9663.3	9663.3	1924.8	7	7	12681.2	0	2525.9	6.8	0.71463	0.00540	4.85645	0.03672	0.72535	4.91618	1.71926	0.01300	12.4569	12.45690	0.09419	14.7
THURSTON	66		4	20	1.09	10143.8	0	1159.6	11.9	10720.8	12077.4	1225.6	12.6	10996.4	10996.4	1257.1	13	13	8760.5	0	1001.5	12	0.34294	0.00787	4.09586	0.09403	0.3435	4.11863	0.18423	0.00423	3.12666	3.12666	0.07178	12.1
THURSTON	115	THURSTON	4	20	1.09	13949.1	0	2778.5	7.8	13241.5	10495.4	2637.5	8	11943.3	11943.3	2378.9	8.6	8.6	12044.4	0	2399.1	7.8	0.66489	0.00503	5.16699	0.03907	0.66737	5.19791	0.78808	0.00596	7.76496	7.76496	0.05871	13.9
TILLAMOK	115	TILL	3	3	1.09	8267.0	0	1646.7	5.1	7548.9	4289.3	1503.6	5.3	5648.7	5648.7	1125.1	5.9	5.9	7159.1	0	1426	5.1	1.67424	0.01266	8.56674	0.06478	1.67614	8.5673	3.09069	0.02337	20.6455	20.64550	0.15611	8.3
TILLAMOK BK2	230	TILL	3	3	1.09	4516.5	0	1799.3	5.7	4104.9	2342.5	1635.3	5.8	3084.9	3084.9	1229	6.2	6.2	3911.2	0	1558.1	5.7	5.52042	0.01044	31.505	0.05956	5.52756	31.508	11.4184	0.02158	75.6619	75.66190	0.14303	4.5
TIMBER	34.5	TIMB	3	3	1.09	2606.3	0	155.7	8.9	2757.4	3016.0	164.8	9.8	2796.6	2796.6	167.1	10.4	10.4	2257.1	0	134.9	8.9	0.93193	0.07830	8.31421	0.69853	0.93211	8.31429	0.36948	0.03104	6.65543	6.65543	0.55916	3.0
TIMBER	115	TIMB	3	3	1.09	3735.0	0	744.0	2.9	3406.2	1568.7	678.5	3.1	2211.8	2211.8	440.6	3.9	3.9	3234.5	0	644.3	2.9	6.2486	0.04725	18.4286	0.13935	6.25068	18.4294	12.264	0.09273	58.5592	58.55920	0.44279	3.7
TIMBER TAP	115	10/10/2011	3	3	1.09	7469.9	0	1487.9	4.6	6727.3	3237.3	1340	4.7	4517.4	4517.4	899.8	5.3	5.3	6468.7	0	1288.5	4.6	2.06502	0.01561	9.50772	0.07189	2.06711	9.50861	4.87159	0.03684	28.4012	28.40120	0.21475	7.5
TINCUP-LVE	69	TNCP	24	33	1.09	2361.2	0	282.2	8.8	2633.6	3246.8	314.7	9.1	2749.1	2749.1	328.5	9.2	9.2	2056.0	0	245.7	8.7	2.07465	0.04358	18.2045	0.38237	2.06464	18.0053	0.94817	0.01992	10.7262	10.72620	0.22529	3.2
TINCUP-LVE	115		24	33	1.06	2698.4	0	537.5	5.9	2721.8	2628.5	542.2	6	2690.4	2690.4	535.9	6.2	6.2	2360.7	0	470.2	5.8	4.40396	0.03330	25.8176	0.19522	4.37726	25.286	3.67661	0.02780	26.7106	26.71060	0.20197	2.7
TNSKT-B345	115	T 21/10	17	3	1.06	2867.2	0	571.1	6.4	2560.6	1243.3	510	6.4	1734.4	1734.4	345.5	6.5	6.5	2483.0	0	494.6	6.4	3.77645	0.02856	24.2099	0.18306	3.77624	24.2115	11.0338	0.08343	71.6648	71.66480	0.54189	2.9
TNSKT-B351	115	TONA	17	3	1.06	2865.3	0	570.7	6.4	2559.1	1244.0	509.7	6.4	1734.7	1734.7	345.5	6.5	6.5	2481.3	0	494.2	6.4	3.77866	0.02857	24.2313	0.18322	3.77845	24.2329	11.0336	0.08343	71.628	71.62800	0.54161	2.9
TOLEDO	69	TOLE	6	3	1.06	11958.0	0	1429.1	10.0	12699.6	14479.9	1517.8	10.5	12983.3	12983.3	1551.7	10.9	10.9	10264.1	0	1226.7	10	0.3523	0.00740	3.51922	0.07392	0.36004	3.58206	0.18217	0.00383	2.63021	2.63021	0.05524	14.5
TOLEDO	230	TOLE	6	3	1.07	4865.9	0	1938.4	7.1	4840.9	4480.7	1928.5	7.7	4640.2	4640.2	1848.5	8.4	8.4	4190.3	0	1669.3	7.1	4.05887	0.00767	28.8855	0.05460	4.12727	29.2086	2.62323	0.00496	33.0304	33.03040	0.06244	4.9
TOLEDO BK1	13.8	Bk1 tert	6	3	1.06	14477.9	0	346.1	23.2	12510.7	0.0	299	23.1	0.0	0	0	1657	N/A	12510.7	0	299	23.1	0.02513	0.01320	0.58361	0.30645	0.02543	0.58616	0	0.00000	-5.00E+07	0.00000	0.00000	14.5
TOLEDO BK2	13.8	Bk2 tert	6	3	1.06	18118.0	0	433.1	17.8	15644.3	0.0	373.9	17.8	0.0	0	0	1023	N/A	15644.3	0	373.9	17.8	0.02609	0.01370	0.46568	0.24453	0.02638	0.46843	0	0.00000	-5.00E+07	0.00000	0.00000	18.1
TONASKET-OKP	115	TONASKET	17	16	1.06	2864.4	0	570.5	6.4	2558.2	1243.5	509.6	6.4	1734.1	1734.1	345.4	6.5	6.5	2480.5	0	494.1	6.4	3.77998	0.02858	24.2392	0.18328	3.77977	24.2408	11.0375	0.08346	71.6531	71.65310	0.54180	2.9
TONO	115	TON	10	10	1.04	21171.0	0	4217.0	18.4	22028.8	24237.5	4387.8	19	22578.6	22578.6	4497.3	19.3	19.3	18316.6	0	3648.4	18.4	0.17711	0.00134	3.26654	0.02470	0.17885	3.2729	0.11916	0.00090	2.65049	2.65049	0.02004	24.2
TONO PS	115	TON	10	10	1.04	21174.6	0	4217.7	18.4	22033.3	24245.2	4388.7	19	22583.9	22583.9	4498.4	19.3	19.3	18319.7	0	3649	18.4	0.17705	0.00134	3.26597	0.02470	0.17879	3.27233	0.11913	0.00090	2.64939	2.64939	0.02003	24.2
TOWER ROAD	115	TRSS	23	3	1.04	7032.6	0	1400.8	10.8	6580.6	4690.6	1310.8	10.2	5622.3	5622.3	1119.9	9.2	9.2	6084.1	0	1211.9	10.8	0.90448	0.00684	9.75958	0.07380	0.9061	9.77987	2.17586	0.01645	17.0237	17.02370	0.12872	7.0
TOWNSEND7201	525	TOWNSEND	14	40	1.07	8300.0	0	7547.4	4.8	7632.9	3125.1	6940.8	5.1	4815.9	4815.9	4379.2	7.3	7.3	7512.4	0	6831.2	5.2	3.16065	0.00115	34.147	0.01239	3.14367	33.9119	21.1539	0.00767	131.735	131.73500	0.04780	8.3
TOWNSEND7202	525	TOWNSEND	14	40	1.07	8299.9	0	7547.4	4.8	7632.9	3125.2	6940.8	5.1	4816.0	4816	4379.3	7.3	7.3	7512.3	0	6831.2	5.2	3.16103	0.00115	34.1473	0.01239	3.14405	33.9121	21.1509	0.00767	131.731	131.73100	0.04779	8.3
TRACY	525	TRACY	1	29	1.03	34016.5	0	30932.1	16.3	31555.0	20058.5	28693.8	14.3	25205.4	25205.9	22920	10.7	10.7	29415.2	0	26748	16.3	0.56364	0.00020	9.18734	0.00333	0.56771	9.21468	2.32218	0.00084	18.7044	18.70440	0.00679	34.0
TRASK RIVER	115		3	1	1.09	5316.2	0	1058.9	5.1	4801.7	2458.2	956.4	5.2	3362.1	3362.1	669.7	5.8	5.8	4603.8	0	917	5.1	2.60003	0.01966	13.3225	0.10074	2.60193	13.3231	5.79948	0.04385	36.7968	36.79680	0.27824	5.3
TRASK RV TAP	115	T 30/1	3	3	1.09	6440.2	0	1282.8	3.3	5934.8	3201.3	1182.1	3.4	4280.1	4280.1	852.5	4.1	4.1	5577.1	0	1110.9	3.3	3.25505	0.02461	10.7129	0.08100	3.25688	10.7135	5.34712	0.04043	27.7039	27.70390	0.20948	6.4
TREGO	115	TREG	15	3	1.04	1394.4	0	277.7	2.5	1289.5	659.1	256.8	2.6	896.5	896.5	178.6	3.3	3.3	1207.6	0	240.5	2.5	18.3237	0.13855	46.2395	0.34964	18.3279	46.2335	30.9031	0.23367	129.55	129.55000	0.97958	1.4
TREGO #1	24.9	TREG	15	1	1.04	2605.3	0	112.4	5.4	2962.8	3533.6	127.8	6.2	3001.2	3001.2	129.4	6.5	6.5	2256.3	0	97.3	5.4	1.04357	0.16832	5.66858	0.91427	1.04376	5.66829	0.18451	0.02976	3.50076	3.50076	0.56463	3.5
TREGO #2	24.9	TREG	15	1	1.04	1363.3	0	58.8	7.7	1446.1	1578.1	62.4	8.4	1463.1	1463.1	63.1	9	9	1180.6	0	50.9	7.7	1.42148	0.22927	10.923	1.76175	1.42168	10.9227	0.56241	0.09071	8.7551	8.75510	1.41209	1.6
TRENTWD-INLD	12.47	TRNT	16	3	1.24	4159.8	0	89.8	14.2	4199.6	4299.0	90.7	14.3	4228.1	4228.1	91.3	14.4	14.4	3602.4	0	77.8	14.2	0.15124	0.09726	2.14633	1.38027	0.15125	2.14643	0.13618	0.08758	2.0427	2.04270	1.31363	4.3
TRENTWD-INLD	115	TRNT	16	3	1.07	10722.6	0	2135.8	6.9	9496.1	3816.7	1891.5	6.8	5627.0	5627	1120.8	6.5	6.5	9281.7	0	1848.8	6.9	0.9565	0.00723	6.58449	0.04979	0.95692	6.59077	3.84499	0.02907	24.423	24.42300	0.18467	10.7
TRENTWD-ITAP	115	bv 12/10	16	3	1.07	10797.3	0	2150.7	6.9	9562.9	3842.1	1904.8	6.9	5664.9	5664.9	1128.4	6.5	6.5	9346.3	0	1861.7	6.9	0.94592	0.00715	6.53952	0.04945	0.94634	6.54581	3.81721	0.02886	24.263	24.26300	0.18346	10.8
TRENTWOOD	115	TREN	16	3	1.07	10798.7	0	2151.0	6.9	9564.2	3841.9	1905.1	6.9	5664.8	5664.8	1128.4	6.5	6.5	9347.5	0	1861.9	6.9	0.94562	0.00715	6.53865	0.04944	0.94603	6.54494	3.81937	0.02888	24.2647	24.26470	0.18348	10.8
TRENTWOOD-F1	6.9	TREN	16	3	1.07	25096.2	0	299.9	10.3	22427.5	1467.7	268	8.6	2875.9	2875.9	34.4	0.3	N/A	21732.8	0	259.7	10.3	0.01637	0.03438	0.16851	0.35394	0.01637	0.16853	4.2135	0.00000	0.93332	0.00000	0.00000	25.1
TRENTWOOD-F2	6.9	TREN	16	3	1.07	26444.4	0	316.0	10.5	23641.9	1534.0	282.5	8.8	3017.8	3017.8	36.1	0.2	N/A	22900.2	0	273.7	10.5	0.01524	0.03201	0.15997	0.33600	0.01524	0.15999	4.09056	0.00000	0.60881	0.00000	0.00000	26.4
TRENTWOOD-F3	6.9	TREN	16	3	1.08	17006.1	0	203.2	13.9	15404.0	1442.3	184.1	10.1	2792.5	2792.5	33.4	0.4	0.4	14727.0	0	176	13.9	0.01816	0.03814	0.25162	0.52850	0.01816	0.25165	4.26928	8.96719	1.14158	1.14158	2.39777	17.0
TRENTWOOD-F4	6.9	TREN	16	3	1.07	15934.8	0	190.4	22.7	14468.0	1427.5	172.9	13.9	2757.1	2757.1	33	0.4	0.4	13799.3	0	164.9	22.7	0.01182	0.02483	0.26837	0.56368	0.01183	0.2684	4.26034	8.94841	1.29117	1.29117	2.71197	15.9
TRENTWOOD-F5	6.9	TREN	16	3	1.07	26989.3	0	322.6	11.4	24118.6	1540.3	288.2	9.4	3032.7	3032.7	36.2	0.2	N/A	23371.9	0	279.3	11.4	0.01384	0.02907	0.15733	0.33046	0.01384	0.15735	4.08903	0.00000	0.59733	0.00000	0.00000	27.0
TRENTWOOD-F6	6.9	TREN	16	3	1.07	25540.7	0	305.2	13.6	22815.2	1466.8	272.7	10.9	2877.5	2877.5	34.4	0.3	N/A	22117.6	0	264.3	13.6	0.01223	0.02569	0.16639	0.34949	0.01224	0.16641	4.22096	0.00000	0.97627	0.00000	0.00000	25.5
Trojan V82	230	Trin	5	7	1.07	30846.9	0	12288.5	16.3	28252.1	12799.7	11254.8	13.8	18327.8	18327.8	7301.3	8.1	8.1	27039.9	0	10771.9	15.9	0.28119	0.00053	4.58703	0.00867	0.29002	4.47557	2.2576	0.00427	13.9687	13.96870	0.02641	30.8
TROUT CREEK	230	T 11/2	16	3	1.06	8997.8	0	3584.5	10.7	8371.1	5927.6	3334.8	10.2	7113.1	7113.1	2833.6	9.3	9.3	7754.9	0	3089.3	10.7	1.44861	0.00274	15.5076	0.02931	1.47221	15.6566	3.3943	0.00642	27.6038	27.60380	0.05218	9.0
TROUTD-P	69		70	9	1.10	17191.0	0	2054.5	21.3	16244.5	13289.7	1941.4	21.8	14846.2	14846.2	1774.3	22.9	22.9	14743.7	0	1762	21.2	0.11993	0.00252	2.55506	0.05367	0.1236	2.60496	0.14422	0.00303	3.71708	3.71708	0.07807	17.2
TROUTDALE	230		79	9	1.08	29969.4	0	11939.0	13.6	29287.1	25619.9	11667.1	12.3	27578.8	27578.8	10986.6	10.9	10.9	25907.8	0	10320.9	13.5	0.35204	0.00067	4.79082	0.00906	0.35892	4.80761	0.72488	0.00137	5.99605	5.99605	0.01133	30.0
TROUTDALE X3	115		70	9	1.08	23653.5	0	4711.4	13.1	23209.3	21796.8	4623	13.1	22672.5	22672.5	4516	13.1	13.1	20471.2	0	4077.6	13	0.23081	0.00175	3.02448	0.02287	0.23346	3.02823	0.25583	0.00193	3.41347	3.41347	0.02581	23.7
TROUTDL	525	TROU	2	3	1.03	13689.0	0	12447.8	18.0	13047.7	10083.5	11864.6	15.8	11602.3	11602.3	10550.2	12.8	12.8	11842.1	0	10768.3	17.9	1.26462	0.00046	22.8108	0.00828	1.28995	22.8594	3.73453	0.00135	34.9495	34.94950	0.01268	13.7
TROUTDL(MBW)	230	TROU	2	3	1.08	30022.3	0	11960.0	13.5	29322.0	25513.9	11681	12.2	27540.3	27540.3	10971.3	10.7	10.7	25953.9	0	10339.3	13.4	0.35422	0.00067	4.7819	0.00904	0.36106	4.7985	0.746	0.00141	6.03281	6.03281	0.01140	30.0
TROY	13.8	TROY	15	3	1.04	7603.3	0	181.7	14.5	8148.1	9428.7	194.8	15.5	8390.5	8390.5	200.6	16.2	N/A	6562.8	0	156.9	14.5	0.07505	0.03941	1.0855	0.57000	0.07506	1.09276	0.03228	0.00000	0.77411	0.00000	0.00000	9.4
TROY	115	T 31/10	15	3	1.04	3481.2	0	693.4	4.7	3135.2	1807.3	624.5	4.9	2344.9	2344.9	467.1	5.3	5.3	2970.6	0	591.7	4.8	4.10386	0.03103	19.4447	0.14703	4.1057	20.0484	8.14106	0.06156	47.4916	47.49160	0.35910	3.5
TRUMBULL CR	230	T 80/2	15	3	1.04	6035.6	0	2404.4	11.7	5891.2	5169.8	2346.9	10.9	5569.4	5569.4	2218.7	10	10	5226.7	0	2082.2	11.7	1.95762	0.00370	22.848	0.04319	1.96195	22.8507	3.49831	0.00661	28.4861	28.48610	0.05385	6.0
TUCANNON RVR	115	TUCR	18	3	1.03	6187.0	0	1232.4	6.3	5885.1	4344.6	1172.2	6.7	5105.0	5105	1016.8	7.9	7.9	5356.7	0	1067	6.3	1.72822	0.01307	10.8962	0.08239	1.72933	10.9018	1.60551	0.01214	17.9934	17.99340	0.13606	6.2
TUCKER	115		70	9	1.07	6892.3	0	1372.8	5.8	6190.5	3218.8	1233.1	5.8	4388.9	4388.9	874.2	5.9	5.9	5969.8	0	1189.1	5.8	1.74178	0.01317	10.1431	0.07670	1.74209	10.1397	4.56484	0.03452	27.5294	27.52940	0.20816	6.9
TUM TUM	115	Inld P&L	16	1	1.07	4498.5	0	896.0	5.7	4015.2	1835.6	799.8	5.7	2606.9	2606.9	519.2	6.1	6.1	3895.1	0	775.8	5.7	2.74131	0.02073	15.5628	0.11768	2.7419	15.5691	7.8478	0.05934	49.5833	49.58330	0.37492	4.5
TUM TUM TAP	115	T 11/2	16	3	1.07	8446.2	0	1682.4	9.7	7639.1	3992.9	1521.6	9.3	5420.9	5420.9	1079.8	8.1	8.1	7311.9	0	1456.4	9.7	0.86197	0.00652	8.37224	0.06331	0.86256	8.37851	3.12318	0.02362	22.2903	22.29030	0.16855	8.4
TUMBLE CREEK	24.9	TUMB	3	1	1.07	3866.0	0	166.7	21.2	3915.8	4043.5	168.9	21.5	3952.7	3952.7	170.5	21.8	21.8	3348.0	0	144.4	21.2	0.18715	0.03018	3.96662	0.63977	0.18718	3.96678	0.15959	0.02574	3.7063	3.70630	0.59778	4.0
TUMBLE CREEK	230	TUMB	3	3	1.07	6349.1	0	2529.3	9.4	5811.8	3588.0	2315.3	9.2	4583.7	4583.7	1826	8.5	8.5	5496.7	0	2189.7	9.4	2.35114	0.00444	22.211	0.04199	2.35419	22.2249	6.08969	0.01151	47.7466	47.74660	0.09026	6.3
TUMBLWED UEC	115		23	24	1.04	15545.3	0	3096.4	11.7	14863.1	11849.2	2960.5	10.9	13413.3	13413.3	2671.7	9.6	9.6	13426.1	0	2674.3	11.7	0.37771	0.00286	4.43226	0.03351	0.37996	4.45636	0.84727	0.00641	6.49397	6.49397	0.04910	15.5
TWISP-B103	115	TWSP	17	3	1.05	2857.0	0	569.1	2.2	2656.3	1365.8	529.1	2.3	1851.9	1851.9	368.9	2.9	2.9	2474.1	0	492.8	2.2	10.0465	0.07597	22.3577	0.16906	10.0468	22.3606	16.4795	0.12461	62.6675	62.66750	0.47386	2.9
TWISP-OKP	115	TWSP	17	16	1.05	2854.2	0	568.5	2.2	2652.0	1363.1	528.2	2.4	1848.7	1848.7	368.2	3	3	2471.6	0	492.3	2.2	9.96983	0.07539	22.4183	0.16951	9.97022	22.4211	16.4338	0.12426	62.8206	62.82060	0.47501	2.9
TWO MILE	12.47	TMRS	6	3	1.09	6968.9	0	150.5	16.0	7322.0	8083.2	158.1	17.3	7484.5	7484.5	161.7	18.4	N/A	6034.8	0	130.3	16	0.07045	0.04531	1.12451	0.72315	0.07047	1.12469	0.03033	0.00000	0.89342	0.00000	0.00000	8.1
TWO MILE	115	TMRS	6	3	1.09	3631.4	0	723.3	5.8	3346.0	2208.7	666.5	5.8	2745.8	2745.8	546.9	6.1	6.1	3143.7	0	626.2	5.8	3.40949	0.02578	19.6398	0.14851	3.41122	19.6545	6.06211	0.04584	38.7379	38.73790	0.29291	3.6
TYGH VAL	69	TYGH VAL	22	1	1.07	2070.4	0	247.4	9.9	1990.5	1687.6	237.9	10.1	1859.5	1859.5	222.2	10.5	10.5	1793.0	0	214.3	9.9	2.07206	0.04352	20.4149	0.42879	2.07233	20.4155	2.34024	0.04915	27.4042	27.40420	0.57560	2.1
TYGH VAL-NWC	69	TYGH VAL	22	1	1.07	546.4	0	65.3	4.9	513.7	383.3	61.4	4.9	450.5	450.5	53.8	5.1	5.1	473.2	0	56.5	4.9	15.7499	0.33081	76.5049	1.60691	15.7498	76.501	22.8166	0.47924	125.923	125.92300	2.64489	0.5
UKIAH	69	UKIAH	23	1	1.04	956.1	0	114.3	2.4	873.5	354.0	104.4	2.5	517.9	517.9	61.9	3.5	3.5	828.0	0	99	2.4	16.7759	0.35236	40.1397	0.84309	16.7767	40.1446	33.164	0.69658	151.241	151.24100	3.17666	1.0
UMATILLA	69		70	9	0.90	4008.3	0	479.0	8.3	3773.7	2824.5	451	8.9	3291.7	3291.7	393.4	10.2	10.2	3447.5	0	412	8.4	1.07184	0.02251	8.88825	0.18669	1.04918	9.01527	1.06612	0.02239	14.6456	14.64560	0.30762	4.0
UNDERWOOD	115	UNDD	2	3	1.06	2538.7	0	505.7	6.7	2634.1	2751.2	524.7	7.2	2641.0	2641	526.1	7.6	7.6	2198.5	0	437.9	6.7	4.08616	0.03090	27.4966	0.20791	4.08801	27.4968	2.27323	0.01719	24.4864	24.48640	0.18515	2.8
UNION GAP	115		70	9	1.05	15420.2	0	3071.5	7.0	16213.2	17808.3	3229.4	6.7	16517.0	16517	3290	6.5	6.5	13344.2	0	2658	7	0.64343	0.00487	4.47909	0.03387	0.64394	4.48594	0.64641	0.00489	3.56036	3.56036	0.02692	17.8
UNION GAP	230		77	9	1.05	8993.3	0	3582.7	7.5	9168.6	9441.6	3652.5	7.7	9204.3	9204.3	3666.7	7.9	7.9	7781.7	0	3100	7.5	2.06227	0.00390	15.3831	0.02908	2.0647	15.4102	1.56041	0.00295	14.3449	14.34490	0.02712	9.4
UNITY	12.5	UNTY	24	1	1.06	7283.3	0	157.7	19.6	7445.8	7741.3	161.2	21.1	7504.6	7504.6	162.5	22.6	N/A	6306.7	0	136.5	19.6	0.0535	0.03424	1.05011	0.67207	0.0536	1.05036	0.02819	0.00000	0.95792	0.00000	0.00000	7.7
UNITY	138	UNTY	24	3	1.06	7256.1	0	1734.4	3.6	6628.1	3818.2	1584.3	3.7	4997.3	4997.3	1194.5	4	4	6275.2	0	1499.9	3.6	3.08452	0.01620	11.236	0.05900	3.09755	11.2661	6.07478	0.03190	26.7503	26.75030	0.14047	7.3
UNIV TAP	115	T 3/20	3	3	1.07	11482.4	0	2287.1	5.7	10729.7	7713.2	2137.2	5.8	9227.5	9227.5	1838	6.1	6.1	9943.4	0	1980.6	5.7	1.07135	0.00810	6.11541	0.04624	1.07237	6.11605	1.61237	0.01219	10.6393	10.63930	0.08045	11.5
USGEN	230	USGEN	23	1	1.04	19143.9	0	7626.4	19.3	19549.5	20099.1	7788	17.1	19517.4	19517.4	7775.2	15.6	15.6	16499.6	0	6573	19.2	0.37222	0.00070	7.18256	0.01358	0.38085	7.25157	0.60161	0.00114	6.68619	6.68619	0.01264	20.1
USK	230	USK	16	3	1.04	7825.4	0	3117.4	12.1	7481.4	6212.8	2980.4	12.4	6917.1	6917.1	2755.6	13	13	6767.8	0	2696.1	12	1.46319	0.00277	17.657	0.03338	1.48061	17.704	1.66785	0.00315	24.5938	24.59380	0.04649	7.8
VALHALLA	115	VALH	17	3	1.07	34372.1	0	6846.4	11.1	34296.6	31147.1	6831.4	9.7	32567.2	32567.2	6486.9	8.3	8.3	29652.1	0	5906.3	11.1	0.18552	0.00140	2.06336	0.01560	0.1867	2.07939	0.40897	0.00309	2.37006	2.37006	0.01792	34.4
VALLEY-RREC	138		24	1	1.05	2823.3	0	674.8	4.6	2522.8	1228.4	603	4.7	1699.8	1699.8	406.3	5	5	2427.6	0	580.2	4.6	6.31617	0.03317	29.0513	0.15255	6.47173	29.4557	16.1612	0.08486	86.7732	86.77320	0.45565	2.8
VALLYW	115	VAWA	16	3	1.07	8013.3	0	1596.1	5.3	7115.7	2931.6	1417.3	5.4	4291.4	4291.4	854.8	5.7	5.7	6937.3	0	1381.8	5.3	1.64403	0.01243	8.75029	0.06616	1.64445	8.75657	5.29217	0.04002	31.6253	31.62530	0.23913	8.0
VANSYCLE	69	T 20/2	20	3	1.02	4140.9	0	494.9	6.4	4156.9	3869.3	496.8	6.9	3965.6	3965.6	473.9	7.8	7.8	3553.2	0	424.6	6.2	1.52131	0.03195	9.68061	0.20333	1.60443	9.85113	0.79456	0.01669	10.9143	10.91430	0.22924	4.2
VANTAGE	230	VANT	17	3	1.06	43431.4	0	17301.8	17.6	42130.6	37042.7	16783.7	16.3	39752.6	39752.6	15836.3	14.6	14.6	37392.9	0	14896.3	17.6	0.18272	0.00035	3.2217	0.00609	0.18574	3.25952	0.35184	0.00067	4.07073	4.07073	0.00770	43.4
VANTAGE BK1	230	VANT	17	3	1.06	42203.2	0	16812.5	17.8	40655.7	34441.1	16196.1	16.2	37721.3	37721.3	15027.1	14.3	14.3	36345.5	0	14479	17.8	0.18615	0.00035	3.31667	0.00627	0.18911	3.35375	0.40489	0.00077	4.45198	4.45198	0.00842	42.2
VANTAGE BK2	230	VANT	17	3	1.06	41856.9	0	16674.6	18.1	40180.3	33317.3	16006.7	16.3	36902.6	36902.6	14700.9	14.1	14.1	36050.3	0	14361.4	18	0.18486	0.00035	3.34464	0.00632	0.18782	3.38148	0.43531	0.00082	4.64358	4.64358	0.00878	41.9
VANTAGE W	525	VANT	17	3	1.02	25704.1	0	23373.5	20.2	23864.0	15938.6	21700.2	17.8	19612.7	19612.7	17834.3	13.7	13.7	22184.6	0	20173.1	20.1	0.59277	0.00022	11.9885	0.00435	0.60409	12.0701	2.23469	0.00081	23.0101	23.01010	0.00835	25.7
VERA	115	VERA	16	3	1.07	6957.2	0	1385.8	4.7	6195.0	2521.7	1234	4.8	3701.0	3701	737.2	5.4	5.4	6023.3	0	1199.8	4.7	2.11505	0.01599	10.0347	0.07588	2.11546	10.0409	6.30707	0.04769	36.7899	36.78990	0.27818	7.0
VERA TAP	115	T 1/9-10	16	3	1.07	9830.1	0	1958.0	6.3	8692.9	3530.4	1731.5	6.3	5192.8	5192.8	1034.3	6.2	6.2	8509.5	0	1695	6.3	1.14409	0.00865	7.16704	0.05419	1.14451	7.17333	4.23778	0.03204	26.3569	26.35690	0.19930	9.8
VICTOR	115	VICT	24	35	1.05	3682.9	0	733.6	4.7	3507.4	2620.6	698.6	4.8	3079.7	3079.7	613.4	5.2	5.2	3207.0	0	638.8	4.7	3.965	0.02998	18.5947	0.14060	3.9737	18.3802	4.90457	0.03709	30.0165	30.01650	0.22697	3.7
VICTOR TAP	115	T 3/10	24	3	1.05	3691.0	0	735.2	4.7	3515.9	2631.2	700.3	4.9	3089.8	3089.8	615.4	5.2	5.2	3214.1	0	640.2	4.7	3.94648	0.02984	18.5564	0.14031	3.95518	18.3418	4.87151	0.03684	29.8789	29.87890	0.22593	3.7
VISTA TAP	115	T 2/2	20	3	1.03	12058.5	0	2401.9	6.5	10782.9	5379.6	2147.8	6.5	7433.0	7433	1480.5	6.6	6.6	10433.1	0	2078.1	6.5	0.86891	0.00657	5.62758	0.04255	0.87019	5.63833	2.43611	0.01842	16.1313	16.13130	0.12198	12.1
W BURL B1799	138	WBRL	24	3	1.06	6998.3	0	1672.7	4.2	6342.3	3542.4	1516	4.3	4699.1	4699.1	1123.2	4.5	4.5	6054.4	0	1447.1	4.2	2.7844	0.01462	11.7723	0.06182	2.79627	11.7952	6.19733	0.03254	29.1811	29.18110	0.15323	7.0
W BURLEY	12.5	WBRL	24	1	1.06	7016.5	0	151.9	12.4	7246.1	7659.1	156.9	13.3	7323.2	7323.2	158.6	14.1	N/A	6075.8	0	131.5	12.4	0.08744	0.05596	1.08801	0.69633	0.08755	1.08826	0.04687	0.00000	0.95328	0.00000	0.00000	7.7
W BURLEY	138	WBRL	24	3	1.06	4930.2	0	1178.4	3.3	4485.7	2232.1	1072.2	3.4	3071.7	3071.7	734.2	4	4	4265.7	0	1019.6	3.3	4.9444	0.02596	16.4214	0.08623	4.95744	16.4515	10.0317	0.05268	47.2629	47.26290	0.24818	4.9
WAGNR LK	34.5	WAGL	16	3	1.06	2778.9	0	166.1	5.1	3107.5	3606.0	185.7	5.8	3140.7	3140.7	187.7	6.1	6.1	2406.6	0	143.8	5.1	1.45877	0.12256	7.45391	0.62625	1.45879	7.45426	0.34291	0.02881	4.98727	4.98727	0.41901	3.6
WAGNR LK	115	WAGL	16	3	1.06	2338.9	0	465.9	2.2	2165.1	1011.0	431.3	2.3	1415.5	1415.5	282	3.1	3.1	2025.4	0	403.4	2.2	12.3985	0.09375	27.4071	0.20724	12.3987	27.411	20.9443	0.15837	87.0997	87.09970	0.65860	2.3
WAHKIAKUM T	115	T 9/2-3	5	3	1.07	4853.4	0	966.7	3.7	4439.5	2420.5	884.3	3.9	3231.3	3231.3	643.6	4.4	4.4	4203.2	0	837.2	3.7	3.77807	0.02857	14.1359	0.10689	3.7827	14.1341	7.05455	0.05334	36.0221	36.02210	0.27238	4.9
WAHLUKE	230		25	21	1.05	14391.0	0	5733.0	8.0	13187.5	8234.5	5253.5	7.8	10466.0	10466	4169.4	7.3	7.3	12451.6	0	4960.4	8	1.20128	0.00227	9.61775	0.01818	1.2022	9.63546	3.00626	0.00568	20.3611	20.36110	0.03849	14.4
WALA PPL	69		70	9	1.03	15591.5	0	1863.4	12.4	13726.9	4775.6	1640.5	11.9	7288.2	7288.2	871	9.9	9.9	13458.5	0	1608.4	12.2	0.21224	0.00446	2.63067	0.05525	0.22091	2.64732	1.26389	0.02655	11.5749	11.57490	0.24312	15.6
WALA PPL	230		77	9	1.04	10412.1	0	4147.9	8.9	10290.2	9548.7	4099.3	9.2	9894.9	9894.9	3941.8	9.8	9.8	8955.7	0	3567.7	8.6	1.48322	0.00280	13.1364	0.02483	1.60462	13.3051	1.16163	0.00220	15.0746	15.07460	0.02850	10.4
WALLA WALLA	12.5	WAWA	20	3	1.03	3464.8	0	75.0	24.3	3495.0	3575.3	75.7	24.5	3518.7	3518.7	76.2	24.7	24.7	3000.2	0	65	24.3	0.08833	0.05653	2.14696	1.37405	0.08861	2.14761	0.07958	0.05093	2.04794	2.04794	1.31068	3.6
WALLA WALLA	24.9	WAWA	20	1	1.03	3329.0	0	143.6	54.9	3328.7	3291.2	143.6	60.1	3309.8	3309.8	142.7	66.6	66.6	2882.8	0	124.3	54.8	0.08086	0.01304	4.43946	0.71603	0.08121	4.44012	0.03895	0.00628	4.51706	4.51706	0.72855	3.3
WALLA WALLA	69	WAWA	20	3	1.03	13568.2	0	1621.6	11.3	11982.6	4689.4	1432.1	11	6946.7	6946.7	830.2	9.8	9.8	11710.9	0	1399.6	11.2	0.26667	0.00560	3.01718	0.06337	0.27534	3.03693	1.25294	0.02632	11.6031	11.60310	0.24371	13.6
WALLA WALLA	115	WAWA	20	3	1.03	5768.8	0	1149.1	6.8	5791.6	5310.6	1153.6	7.5	5529.1	5529.1	1101.3	8.6	8.6	4992.8	0	994.5	6.8	1.72472	0.01304	11.7078	0.08853	1.73224	11.7217	0.8308	0.00628	13.3629	13.36290	0.10104	5.8
WALNUT C	115	WACY	3	3	1.09	6890.5	0	1372.5	3.2	6315.4	3202.8	1257.9	3.4	4376.5	4376.5	871.7	4.1	4.1	5966.9	0	1188.5	3.2	3.12146	0.02360	10.0692	0.07614	3.12312	10.0704	5.5583	0.04203	28.2345	28.23450	0.21349	6.9
WALNUT C TAP	115	T 22/6	3	1	1.09	12672.2	0	2524.1	5.6	11586.7	6821.4	2307.9	5.8	8868.5	8868.5	1766.5	6.3	6.3	10973.0	0	2185.7	5.6	1.00137	0.00757	5.644	0.04268	1.00303	5.64522	1.8282	0.01382	12.982	12.98200	0.09816	12.7
WALTON	12.5	WALT	4	3	1.13	1841.1	0	39.9	12.5	1866.0	1911.2	40.4	12.9	1875.5	1875.5	40.6	13.2	13.2	1594.4	0	34.5	12.5	0.35452	0.22689	4.43397	2.83774	0.35455	4.4342	0.27922	0.17870	4.19442	4.19442	2.68443	1.9
WALTON	115	WALT	4	3	1.09	5207.0	0	1037.2	2.1	4930.8	2878.6	982.1	2.3	3714.8	3714.8	739.9	2.8	2.8	4506.7	0	897.7	2.1	5.85961	0.04431	12.5756	0.09509	5.86147	12.5929	7.71966	0.05837	29.8362	29.83620	0.22560	5.2
WANAPUM	230	WANAPUM	17	21	1.06	43150.6	0	17190.0	15.9	41838.5	36873.4	16667.3	14.9	39533.1	39533.1	15748.9	13.7	13.7	37148.7	0	14799	15.9	0.20336	0.00038	3.24115	0.00613	0.20706	3.27962	0.36633	0.00069	4.08491	4.08491	0.00772	43.2
WARNER	115	WRNR	26	3	1.08	4308.8	0	858.3	10.7	4452.3	4860.4	886.8	10.9	4531.9	4531.9	902.7	11.1	11.1	3702.0	0	737.4	10.7	1.54799	0.01171	16.5618	0.12523	1.5782	16.826	1.13889	0.00861	13.8654	13.86540	0.10484	4.9
WARNER BK1	230	WRNR	26	3	1.08	3486.7	0	1389.0	8.8	3462.8	3327.5	1379.5	9.1	3390.2	3390.2	1350.5	9.4	9.4	3006.1	0	1197.5	8.8	4.6556	0.00880	40.94	0.07739	4.72978	41.3045	4.00692	0.00757	44.1815	44.18150	0.08352	3.5
WARREN	34.5		5	3	1.09	1680.5	0	100.4	13.7	1702.6	1747.8	101.7	14	1713.5	1713.5	102.4	14.3	14.3	1455.3	0	87	13.7	0.94494	0.07939	12.9351	1.08675	0.94534	12.9352	0.76515	0.06428	12.1963	12.19630	1.02468	1.7
WARREN	115	T 19/1.1	5	3	1.09	8602.3	0	1713.4	4.1	7754.4	3665.8	1544.6	4.2	5141.4	5141.4	1024.1	4.8	4.8	7448.8	0	1483.7	4.1	1.99717	0.01510	8.20536	0.06204	2.00167	8.20654	4.67772	0.03537	25.0791	25.07910	0.18963	8.6
WASH W-CWTZ	115		5	34	1.06	23996.6	0	4779.8	11.1	21935.1	13446.0	4369.2	10.7	17236.9	17236.9	3433.4	9.9	9.9	20783.7	0	4139.8	10.9	0.26441	0.00200	2.92793	0.02214	0.27089	2.92677	0.70195	0.00531	6.36101	6.36101	0.04810	24.0
WAUNA	230	WAUN	5	1	1.07	12816.9	0	5105.9	11.3	11757.9	7635.9	4684	11.1	9580.8	9580.8	3816.7	10.8	10.8	11112.1	0	4426.7	11.1	0.97703	0.00185	10.9998	0.02079	0.9996	10.9731	2.09996	0.00397	22.1584	22.15840	0.04189	12.8
WAUTOMA E	525	WAUT	25	3	1.02	31791.2	0	28908.6	21.6	28867.1	14208.2	26249.6	17.7	19582.3	19582.3	17806.7	10.1	10.1	27435.3	0	24947.6	21.4	0.45116	0.00016	9.73864	0.00353	0.4626	9.80692	3.78216	0.00137	27.7036	27.70360	0.01005	31.8
WELLS-DOGW	115	WELLS	17	15	1.05	6233.8	0	1241.7	11.6	6884.4	8101.0	1371.3	13.6	7045.2	7045.2	1403.3	14.7	14.7	5397.0	0	1075	11.5	0.96291	0.00728	11.1233	0.08411	0.96393	11.1302	0.08522	0.00064	7.31548	7.31548	0.05532	8.1
WELLS-DOGW	230	WELLS	17	15	1.04	14011.4	0	5581.7	18.6	15399.1	18455.4	6134.6	21.3	15898.5	15898.5	6333.5	22.7	22.7	12110.0	0	4824.3	18.6	0.53292	0.00101	9.8875	0.01869	0.53496	9.92698	0.08487	0.00016	6.33964	6.33964	0.01198	18.5
WENDSON	115	WEND	6	3	1.08	7375.4	0	1469.1	5.1	7783.0	8139.1	1550.3	5.6	7733.4	7733.4	1540.4	6	6	6379.9	0	1270.8	5.1	1.88932	0.01429	9.56134	0.07230	1.89405	9.58327	0.79936	0.00604	8.36135	8.36135	0.06322	8.1
WENDSON	230	WEND	6	3	1.08	5790.3	0	2306.7	5.9	5681.7	4907.6	2263.4	6.3	5303.4	5303.4	2112.7	7	7	5004.5	0	1993.6	5.9	4.13181	0.00781	24.4345	0.04619	4.15039	24.5327	3.1561	0.00597	31.3931	31.39310	0.05934	5.8
WENDSON BK1	13.8	Bk1 tert	6	3	1.08	21681.0	0	518.2	10.6	18768.8	0.0	448.6	10.6	0.0	0	0	521.7	N/A	18768.8	0	448.6	10.6	0.03733	0.01960	0.39614	0.20801	0.0374	0.39645	0	0.00000	-5.00E+07	0.00000	0.00000	21.7
WESTON MTN	69	T 5/14	20	3	1.02	3760.9	0	449.5	5.0	3403.7	1831.3	406.8	5.1	2449.7	2449.7	292.8	5.7	5.7	3238.6	0	387	4.9	2.13354	0.04481	10.6329	0.22333	2.20004	10.7458	4.31204	0.09057	27.8173	27.81730	0.58427	3.8
WESTSIDE	46	WESD	24	3	1.04	5449.6	0	434.2	21.8	6598.4	8783.8	525.7	15.9	6724.9	6724.9	535.8	15.4	15.4	4717.3	0	375.8	21.6	0.23187	0.01096	5.04611	0.23847	0.23603	5.05058	0.32657	0.01543	2.15801	2.15801	0.10199	8.8
WESTSIDE	161	WESTSIDE	24	3	1.04	6665.0	0	1858.6	8.7	6396.8	5359.0	1783.8	8.3	5926.1	5926.1	1652.5	7.9	7.9	5757.2	0	1605.5	8.6	1.65257	0.00638	14.4243	0.05565	1.71657	14.4922	2.81679	0.01087	19.6782	19.67820	0.07592	6.7
WESTSIDE115	115	WESTSIDE	447	2	1.05	24521.2	0	4884.3	8.1	24377.1	23175.4	4855.6	8.4	23731.9	23731.9	4727.1	8.9	8.9	21147.6	0	4212.3	8	0.35154	0.00266	2.83436	0.02143	0.35603	2.85786	0.27863	0.00211	3.10588	3.10588	0.02348	24.5
WESTSIDE230	230	WESTSIDE	447	2	1.06	16292.3	0	6490.4	10.7	15011.6	10120.0	5980.2	10.5	12463.6	12463.6	4965.1	10.1	10.1	14085.2	0	5611.2	10.6	0.80412	0.00152	8.56451	0.01619	0.81015	8.59375	1.72408	0.00326	16.4102	16.41020	0.03102	16.3
WHEATFLD	230		23	1	1.03	7530.2	0	2999.8	11.4	7650.0	7944.4	3047.6	11.1	7696.3	7696.3	3066	10.9	10.9	6491.3	0	2586	11.4	1.58666	0.00300	18.0489	0.03412	1.58905	18.2172	1.69293	0.00320	16.6935	16.69350	0.03156	7.9
WHITE BL BK1	13.8	WH BLUFF	25	3	1.04	32113.2	0	767.6	30.7	27805.7	0.0	664.6	30.7	0.0	0	0	986.9	N/A	27805.7	0	664.6	30.7	0.00842	0.00442	0.25838	0.13568	0.00843	0.25848	0	0.00000	-5.00E+07	0.00000	0.00000	32.1
WHITE BLF	230	WHBL	25	3	1.04	7454.2	0	2969.5	7.6	7335.8	6596.7	2922.4	8	6994.7	6994.7	2786.5	8.7	8.7	6450.5	0	2569.7	7.6	2.41774	0.00457	18.3921	0.03477	2.4211	18.4208	1.93097	0.00365	22.1064	22.10640	0.04179	7.5
WHITE BLF S	115	WHBL	25	3	1.04	16384.4	0	3263.5	6.3	15431.6	10891.8	3073.8	6.6	13072.9	13072.9	2603.9	7.7	7.7	14172.0	0	2822.9	6.3	0.66279	0.00501	4.15382	0.03141	0.66382	4.16405	0.70547	0.00533	7.36672	7.36672	0.05570	16.4
WHITE CRK	230		22	1	1.05	10867.2	0	4329.2	13.5	10446.0	8963.3	4161.4	13.3	9823.1	9823.1	3913.2	13	13	9410.5	0	3748.9	13.5	0.94921	0.00179	12.8013	0.02420	0.94861	12.8035	1.3814	0.00261	16.8714	16.87140	0.03189	10.9
WHITE SWAN	115		70	9	1.05	3464.3	0	690.0	3.6	3154.9	1608.3	628.4	3.7	2197.3	2197.3	437.7	4.3	4.3	2999.6	0	597.5	3.6	5.40845	0.04090	19.4065	0.14674	5.40895	19.4134	10.7258	0.08110	53.9988	53.99880	0.40831	3.5
WHITERIVER	230	WRT	8	10	1.09	31667.7	0	12615.5	13.4	29249.3	20523.7	11652.1	12.4	24539.9	24539.9	9776	10.8	10.8	27016.5	0	10762.6	13.3	0.34085	0.00064	4.57404	0.00865	0.35971	4.71175	0.9438	0.00178	8.39485	8.39485	0.01587	31.7
WHITERIVER N	115	WRT	8	10	1.10	42194.5	0	8404.5	11.2	41310.0	39339.2	8228.4	11.2	40365.7	40365.7	8040.3	11.1	11.1	36225.5	0	7215.6	11.1	0.15323	0.00116	1.71795	0.01299	0.15803	1.74774	0.17331	0.00131	1.9213	1.92130	0.01453	42.2
WHITMAN TAP	69	T 5/3	20	3	1.03	6756.9	0	807.5	4.8	6079.4	2901.1	726.6	4.9	4053.1	4053.1	484.4	5.6	5.6	5841.5	0	698.1	4.8	1.24765	0.02621	5.95321	0.12504	1.25632	5.97297	2.87217	0.06033	18.016	18.01600	0.37841	6.8
WHT SWAN	115		25	23	1.05	3462.1	0	689.6	3.6	3152.9	1607.8	628	3.7	2196.4	2196.4	437.5	4.3	4.3	2997.8	0	597.1	3.6	5.40845	0.04090	19.4197	0.14684	5.40895	19.4266	10.7258	0.08110	54.0121	54.01210	0.40841	3.5
WHTSTON*-OKP	115	WHTSTON*	17	16	1.06	2240.8	0	446.3	4.5	2016.4	953.0	401.6	4.6	1337.4	1337.4	266.4	5.1	5.1	1940.5	0	386.5	4.5	6.83885	0.05171	30.5991	0.23137	6.83863	30.6007	16.4126	0.12410	93.4975	93.49750	0.70698	2.2
WHTSTONE-OKP	115	WHTS	17	16	1.06	1870.6	0	372.6	3.1	1705.8	810.3	339.8	3.2	1131.8	1131.8	225.4	3.9	3.9	1620.0	0	322.7	3.1	11.5817	0.08757	35.728	0.27016	11.5815	35.7297	22.7308	0.17188	109.033	109.03300	0.82445	1.9
WILBUR TAP	115	T 19/3-4	16	3	1.06	4996.9	0	995.3	5.3	4485.8	2168.9	893.5	5.4	3024.7	3024.7	602.5	5.8	5.8	4326.9	0	861.9	5.3	2.6191	0.01980	13.8337	0.10460	2.61932	13.8376	6.59987	0.04990	41.0973	41.09730	0.31075	5.0
WILSON RIVER	115	WSNR	3	3	1.09	8239.1	0	1641.1	5.1	7522.3	4268.9	1498.3	5.3	5624.5	5624.5	1120.3	5.9	5.9	7134.9	0	1421.2	5.1	1.67953	0.01270	8.59584	0.06500	1.68143	8.5964	3.10789	0.02350	20.75	20.75000	0.15690	8.2
WILSON RVR 1	24.9	WSNR	3	1	1.09	6561.3	0	283.0	15.3	6833.1	7404.7	294.7	16.4	6957.7	6957.7	300.1	17.4	17.4	5682.2	0	245.1	15.3	0.15537	0.02506	2.37623	0.38326	0.15546	2.37626	0.07663	0.01236	1.97324	1.97324	0.31826	7.4
WILSON RVR 2	24.9	WSNR	3	1	1.09	5786.7	0	249.6	18.0	5996.2	6432.0	258.6	19.4	6092.4	6092.4	262.8	20.7	20.7	5011.4	0	216.1	18	0.1501	0.02421	2.69591	0.43482	0.15019	2.69593	0.07136	0.01151	2.29292	2.29292	0.36982	6.4
WILSON-LVE	115		24	33	1.06	3329.2	0	663.1	5.3	3097.3	2087.6	616.9	5.3	2586.1	2586.1	515.1	5.5	5.5	2905.5	0	578.7	5.2	3.94651	0.02984	20.7508	0.15691	3.93915	20.422	6.78945	0.05134	39.0739	39.07390	0.29545	3.3
WINDSHAR	115	WISH	3	1	1.09	12614.8	0	2512.7	5.6	11504.5	6607.6	2291.5	5.7	8672.3	8672.3	1727.4	6.3	6.3	10923.3	0	2175.8	5.6	1.0168	0.00769	5.66859	0.04286	1.01846	5.66982	1.93024	0.01460	13.4785	13.47850	0.10192	12.6
WINE COUNTRY	115		70	9	1.05	10897.7	0	2170.7	9.0	11105.8	11262.7	2212.1	9.5	11075.0	11075	2206	10.1	10.1	9435.1	0	1879.3	9	0.71005	0.00537	6.38574	0.04829	0.71022	6.38917	0.44927	0.00340	6.09933	6.09933	0.04612	11.3
WINE COUNTRY	230	bv 34/5	25	3	1.06	8744.4	0	3483.5	9.0	8236.7	6357.6	3281.3	9.2	7359.6	7359.6	2931.8	9.5	9.5	7569.9	0	3015.6	9	1.76187	0.00333	15.9272	0.03011	1.7628	15.9399	2.46417	0.00466	24.9372	24.93720	0.04714	8.7
WINTHROP	13.8	WINH	17	3	1.05	5591.6	0	133.7	5.0	6241.5	7168.3	149.2	5.7	6287.0	6287	150.3	6.1	6.1	4842.4	0	115.7	5	0.29431	0.15454	1.47379	0.77389	0.29431	1.47384	0.06401	0.03361	1.00889	1.00889	0.52977	7.2
WINTHROP	115	WINH	17	3	1.05	1943.7	0	387.2	2.0	1814.0	911.6	361.3	2.1	1244.7	1244.7	247.9	2.8	2.8	1683.2	0	335.3	2	15.993	0.12093	32.2848	0.24412	15.9933	32.2876	25.6842	0.19421	94.059	94.05900	0.71122	1.9
WLLW CR-EWEB	115	WLLW CR-	4	20	1.10	20919.4	0	4166.9	7.5	19324.3	13103.9	3849.1	7.3	16065.6	16065.6	3200	7	7	18061.6	0	3597.6	7.5	0.46169	0.00349	3.45527	0.02613	0.46261	3.47661	1.00912	0.00763	6.54773	6.54773	0.04951	20.9
WNP 1	230	WNP1	25	1	1.04	7626.1	0	3038.0	7.4	7104.6	5251.8	2830.3	7.4	6215.9	6215.9	2476.2	7.4	7.4	6600.0	0	2629.2	7.4	2.4447	0.00462	17.9952	0.03402	2.44712	18.0195	4.11108	0.00777	30.2182	30.21820	0.05712	7.6
WNP 2	13.8	WNP2	25	3	1.08	2764.9	0	66.1	15.0	2785.4	2822.6	66.6	15.3	2793.4	2793.4	66.8	15.6	15.6	2394.4	0	57.2	15	0.20719	0.10880	3.11015	1.63314	0.20721	3.11034	0.17842	0.09369	3.01638	3.01638	1.58390	2.8
WNP 2	115	WNP2	25	3	1.03	11023.4	0	2195.7	3.3	10276.4	5943.4	2046.9	3.5	7724.6	7724.6	1538.6	4.3	4.3	9537.4	0	1899.7	3.3	1.82797	0.01382	5.95788	0.04505	1.82915	5.97005	2.45174	0.01854	14.0433	14.04330	0.10619	11.0
WNP 2	525	WNP2	25	3	1.02	30563.9	0	27792.5	24.0	28493.2	20685.3	25909.6	21.8	24519.9	24519.9	22296.6	18.3	18.3	26303.5	0	23918.5	23.7	0.42168	0.00015	10.1048	0.00367	0.43737	10.2315	1.2033	0.00044	17.4268	17.42680	0.00632	30.6
WNP 2 TAP	115	T 2/7	25	3	1.04	15556.6	0	3098.7	5.5	14229.9	8406.5	2834.4	5.7	10901.2	10901.2	2171.4	6.3	6.3	13453.8	0	2679.8	5.5	0.78953	0.00597	4.35013	0.03289	0.7907	4.36234	1.39714	0.01056	9.97981	9.97981	0.07546	15.6
WOODLAND SS	230	WDLD	2	3	1.06	12474.4	0	4969.4	8.2	11371.9	7695.0	4530.2	7.8	9324.1	9324.1	3714.4	7.2	7.2	10579.8	0	4214.7	8	1.37969	0.00261	11.2469	0.02126	1.48774	11.7156	3.36506	0.00636	22.0874	22.08740	0.04175	12.5
WOODWORTH-ME	50		14	30	1.14	835.6	0	72.4	1.7	806.9	531.5	69.9	1.8	651.4	651.4	56.4	2.1	2.1	723.6	0	62.7	1.7	20.0611	0.80244	34.0365	1.36146	20.0627	34.0448	24.913	0.99652	69.3681	69.36810	2.77472	0.8
WORDEN-CREA	115		20	1	1.03	5994.7	0	1194.1	6.4	5402.5	2951.8	1076.1	6.4	3954.5	3954.5	787.7	6.5	6.5	5189.9	0	1033.8	6.4	1.75855	0.01330	11.2251	0.08488	1.75971	11.2324	4.32051	0.03267	28.616	28.61600	0.21638	6.0
WORDEN-TAP	115	T 13/6-7	20	3	1.03	8084.5	0	1610.3	6.6	7354.6	4465.1	1464.9	6.6	5750.3	5750.3	1145.4	6.7	6.7	6998.3	0	1394	6.6	1.26127	0.00954	8.33006	0.06299	1.26243	8.33741	2.70823	0.02048	18.4799	18.47990	0.13973	8.1
WREN	69	WREN	4	3	1.07	2251.0	0	269.0	24.5	2219.4	2092.1	265.2	23.4	2167.9	2167.9	259.1	22.2	22.2	1948.7	0	232.9	24.5	0.77344	0.01625	18.9543	0.39812	0.77618	18.9674	1.11333	0.02338	21.1092	21.10920	0.44338	2.3
WREN	230	WREN	4	3	1.07	5374.4	0	2141.0	7.0	4925.2	3251.4	1962.1	7.1	4040.4	4040.4	1609.6	7.1	7.1	4641.4	0	1849	7	3.72707	0.00705	26.221	0.04957	3.75741	26.3664	7.20684	0.01362	52.0731	52.07310	0.09844	5.4
XMAS VL TAP	115	T 43/7	21	3	1.07	1919.4	0	382.3	3.3	1766.4	960.7	351.9	3.4	1281.0	1281	255.2	4.1	4.1	1661.7	0	331	3.3	10.8008	0.08167	35.474	0.26823	10.8044	35.4979	18.3303	0.13860	90.8577	90.85770	0.68701	1.9
XMAS VL-MEC	115	XMAS VL-	21	1	1.07	863.0	0	171.9	5.3	771.7	353.6	153.7	5.4	501.5	501.5	99.9	5.9	5.9	747.0	0	148.8	5.3	15.0803	0.11403	80.5694	0.60922	15.0912	80.642	40.8768	0.30909	255.977	255.97700	1.93555	0.9
YAAK	13.8	YAAK	15	3	0.94	2660.7	0	63.6	17.6	2713.7	2828.5	64.9	18.5	2735.9	2735.9	65.4	19.3	19.3	2299.1	0	55	17.6	0.15974	0.08388	2.81904	1.48028	0.16158	2.83157	0.10388	0.05455	2.57603	2.57603	1.35267	2.8
YAAK	115	T 45/2	15	3	1.04	3399.6	0	677.2	4.2	3027.9	1658.5	603.1	4.3	2173.5	2173.5	432.9	4.8	4.8	2868.8	0	571.4	4.2	4.72815	0.03575	19.7728	0.14951	4.88415	20.8333	9.88658	0.07476	52.7746	52.77460	0.39905	3.4
YALE	115	YALE	70	9	1.06	6036.4	0	1202.4	7.6	6655.6	7817.5	1325.7	8.4	6813.4	6813.4	1357.1	8.8	8.8	5227.3	0	1041.2	7.6	1.51203	0.01143	11.519	0.08710	1.51482	11.5202	0.44285	0.00335	7.64394	7.64394	0.05780	7.8
YAMSEY SW	230	T 47/5	21	3	1.06	3839.0	0	1529.3	6.6	3504.9	2274.6	1396.2	6.7	2842.9	2842.9	1132.5	6.7	6.7	3308.6	0	1318.1	6.6	5.44157	0.01029	36.1322	0.06830	5.49878	36.4812	10.8421	0.02050	73.8002	73.80020	0.13951	3.8
YEW AVE TAP	115	T 4/4	21	3	1.06	10761.7	0	2143.6	5.3	9962.1	6815.1	1984.3	5.4	8322.4	8322.4	1657.7	5.7	5.7	9293.9	0	1851.2	5.3	1.21129	0.00916	6.43794	0.04868	1.21632	6.47431	1.98761	0.01503	12.1141	12.11410	0.09160	10.8
ZIMMERM TAP	69	T 13/21	10	3	1.06	6314.5	0	754.7	5.2	5474.1	803.8	654.2	5.2	1421.4	1421.4	169.9	5.7	5.7	5450.6	0	651.4	5.2	1.26576	0.02659	6.59664	0.13856	1.27713	6.63955	12.8062	0.26898	74.955	74.95500	1.57435	6.3

Revision Jurisdiction

1. Blue-book updates: TESM (Steve Lowder) gets SharePoint e-mail notifications when the Blue Book is updated. When Blue-Book Data is changed, TESM will modify "Blue-Book Data" tab as follows:
   - **a** Change date in cell D3 to match modification date on the Sharepoint Site.
   - **b** Copy/paste new data from Blue-Book spreadsheet.
2. MAD Changes / Updates: TESM (Christine Goldsworthy) + Safety Office jurisdiction. Any changes to MADs will affect HeatFlux calcs.
3. OSHA Changes: Safety Office jurisdiction / need to coordinate with TESM to roll changes in.
4. Upload locations: a) Safety AF Resources (POC - Cindra Rehman / Safety Office). b) BPA WS ThumbDrive folder, Sect 11 (POC - Steve Lowder / TESM)
   - **a** http://internal.bpa.gov/Policy/Safety/ResourcesArc/Forms/Arc%20View.aspx
   - **b** \\rs3f01\wrkgrp\SubMaintGlobal\! BPA WS's & Sub Maint SG's Download (thumbdrive)\BPA Work Standards\11 (New) Personnel Safety Procedures

Revision History (most recent at top of list)

Date	Comments
2018.01.05	**Blue-Book Data tab**: Updated with info from the **Blue Book BPA 12-28-17.xlsx** file. Updated link to where the Blue Book Excel file is located.
2016.09.20	**SubStation Arc-Flash (open air) / TransLine Arc-Flash (open air) / Arc-Flash (enclosure)** tabs: Changed "QUALIFIED INDIVIDUAL" to "QUALIFIED PERSON". Changed "UNQUALIFIED INDIVIDUAL" to "UNQUALIFIED PERSON". This was done to match wording changes associated with the WS 11-6 update.
2016.05.31	Changed filename from "BPAHotStick Curves yyyy.mm.dd (Dynamic Use)" to "Arc-Flash yyyy.mm.dd Dynamic Use" to align file name with what it's used for. Changed wording in WS 11-6 to match.
2016.04.06	**Blue-Book Data tab**: Hand entered info on *Toledo Bank 1: 13.8kV tertiary bus* | *Toledo Bank 2: 13.8kV tertiary bus* | *Tahkenitch Bank 1: 13.8 kV tertiary bus* based on 2016.04.04 ASPEN study performed by Jerry Richards.
2016.03.31	1) **SubStation Arc-Flash (open air)** tab: a) Increased "neutral bus" nominal voltage rating from 69 kVdc to 80 kVdc as per direction from Christine Goldsworthy. MAD stays the same. b) Increased nominal voltage rating of 560 kVdc to 565 kVdc to match proposed change to APM Rule M-1, Table F, "DC MAD".. Kept MAD used to calculate heat flux at 11'-11" instead of increasing to 12'-0". 2) **TransLine Arc-Flash (open air)** tab: a) Added info on "80 kVdc (metallic return)" for TLM usage. Used same fault current & clearing time as for all other HVDC / transmission line nominal voltages. b) Increased nominal voltage rating of 560 kVdc to 565 kVdc to match proposed change to APM Rule M-1, Table F, "DC MAD". Kept MAD used to calculate heat flux at 11'-11" instead of increasing to 12'-0". 3) **SubStation Arc-Flash (open air) / TransLine Arc-Flash (open air) / Arc-Flash (enclosure)** tabs: Modified LAB's to align with proposed new values for APM M-1 Rule, Table F: 50 V to 69 kV: 10'. All DC 80 kV & above: 20'. 4) **Blue-Book Data** tab: Changed SharePoint hyperlink after discussion with Jolene Schafman (person who will be in charge of BlueBook data since Jeff Newton retired). 5) **Heatflux.Eblen** tab: Explained logic behind using 69 kVac ArcPro heatflux equation for 80 kVdc because the following are the same for both: MAD (40"), arc-gap, dist to arc. 6) **Clearing Times** tab: Changed "69 kVdc (neutral bus") to "80 kVdc (neutral bus)". Added info on 80 kVdc (metallic return) transmission line clearing time = .304 sec. 7) Added back in **DC Fault Curr Comparison** tab to highlight how DC fault curr & clearing times were selected to generate worst-case
2016.02.01	Incident Energy calcs for AF hazard must generate worst-case for each voltage class (taking into account elevation and Hold Order status). As such, all calcs must be changed from "at MAD with Hold Order" to "at the smallest possible MAD", since that is where incident energy is largest. Listed below are the changes triggered by this requirement. 1) **SubStation Arc-Flash (open air)** / **TransLine Arc-Flash (open air)** tabs: a) 525 kVac (series caps): 2016.01 APM shows minimum MAD for this scenario is 11'-3" (135") and pertains to MAD *without* Hold Order / elevation <3000ft. Adjusted AF calculations using M.Eblen equation for 135" MAD. b) Changed all references of "BPA MAD with Hold Order" to "smallest possible MAD" to match how worst-case calcs were done. c) Changed all references of "Incident Energy at MAD" to "Incident Energy at the smallest possible MAD". d) Changes all references of "Adj Exp Heat Flux at the MAD" to "Adj Exp Heat Flux at the smallest possible MAD". e) Deleted column S: Eliminates possible confusion that smallest possible MAD is the actual MAD for a given scenario. f) Modifed column Q info under "NOTES & EQUATIONS" section to clarify that: minimum MAD generates worst-case incident energy / workers must still use APM Rule M-1, Tables A-C to determine appropriate MAD for shock protection (since MAD distances vary with elevation and Hold Order status). g) Clarified that worker must "Select Applicable AF working Dist, compare with Applicable APM Rule M-1 MAD, select MAX of the two distances" to protect QUALIFIED INDIVIDUALS from shock & arc-flash hazard. 2) **HeatFlux.Eblen** tab: Updated equation for "525 (series caps)" using Eblen R6 info.
2015.12.02	1) **SubStation Arc-Flash (open air)** / **TransLine Arc-Flash (open air)** / **Arc-Flash (enclosure)** / **Blue-Book Data** tabs: modified "filter" columns to reflect only those that are selected by the user. 2) **Arc-Flash (enclosure)** tab: removed 14 cal/cm^2 distance because: a) 10 cal/cm^2 faceshields cannot be applied above nameplated rating when working in an enclosure, b) 10 cal/cm^2 distance is too close to the 8 cal/cm^2 distance already listed.
2015.11.20	Global - across all tabs: Removed references to "Categories".
2015.09.09	1) **Arc-Flash (enclosure)** tab: a) Incorporated "Incident Energy at 48 inches" column as part of "QUALIFIED INDIVIDUAL" section. b) Hide columns B / E / G. c) Clarified that for pad-mounted / fused switches: No heat flux equation. Incident energy calc'd directly using EPRI PMH Formula. 2) **SubStation Arc-Flash (open air)** / **TransLine Arc-Flash (open air)** tabs: a) Incorporated "Incident Energy at MAD" column as part of "QUALIFIED INDIVIDUAL" section. b) Hide columns B-D / G / I. 3) Added **WS Table 4.4 (worst-case AF)** tab to show "worst-case" numbers for Arc-Flash (open air).
2015.09.01	1) **Arc-Flash (enclosure)** / **SubStation Arc-Flash (open air)** / **TransLine Arc-Flash (open air)** tabs: a) Clarified which items provide shock protection & which provide arc-flash protection: Modified wording in Notes. Added shock & arc-flash logos underneath applicable columns. b) Clarified that MAXIMUM distance must be selected to protect against shock & arc-flash hazards: Changed wording in column headers for QUALIFIED & UNQUALIFIED INDIVIDUALS + wording in Step 3. c) Incident Energy Column: Highted values in green to show that they pertrain to a QUALIFIED INDIVIDUAL. 2) **Arc-Flash (enclosure)** tab / Notes: a) Added for clarity - **Dist to Arc**: ...(shock protection).
2015.08.31	First distribution for field use. Coincides with 2015.08.31 version of BPA WS "Shock & Arc-Flash Personal Protective Equipment".

Heat Flux Formulas

	Eblen R3	Equation documentation	
kVac (in open air)	**MAD with HOLD Order for Tools**	**working distance**	**Equation Derivation**
15	$y = 0.0855(x)^{1.67}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
34.5	$y = 0.1535(x)^{1.55}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
69	$y = 0.2454(x)^{1.37}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
115	$y = 0.6185(x)^{1.34}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
138	$y = 0.77(x)^{1.27}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
161	$y = 0.79(x)^{1.28}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
230	$y = 1.09(x)^{1.27}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
287	$y = 3.04(x)^{1.27}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
345	$y = 1.33(x)^{1.27}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
525 (100-inch)	$y = 1.95(x)^{1.28}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points
525 (all others)	$y = 1.95(x)^{1.28}$	MAD with HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points

	Eblen R6	Equation documentation	
kVac (in open air)	**MAD with HOLD Order for Tools**	**working distance**	**Equation Derivation**
525 (series caps)	$y = 0.2774(x)^{1.28}$	MAD without HOLD Order for Tools	ArcPro + Eblen AdjExp eq's to encompass all points

	Eblen R4 +HVdc	Equation documentation	
kVdc (in open air)	**Pole-Gound MAD for Tools Restart Blocked**	**working distance**	**Equation Derivation**
69	$y = 0.2454(x)^{1.37}$	Pole-Gnd MAD for Tools / Restart Blocked	ArcPro + Eblen AdjExp eq's to encompass all points. *As per 2015.07.09 telecon with Marcia Eblen: Can use same ArcPro Heatflux for 69 kVdc as used for 69 kVac because the following are the same: MAD (40"), arc-gap, dist to arc*
80	$y = 0.2454(x)^{1.37}$	Pole-Gnd MAD for Tools / Restart Blocked	ArcPro + Eblen AdjExp eq's to encompass all points. *As per 2015.07.09 telecon with Marcia Eblen: Can use same ArcPro Heatflux for 69 kVdc as used for 69 kVac because the following are the same: MAD (40"), arc-gap, dist to arc. Lowder (2016.03.29) : Same logic: Apply ArcPro Heatflux formula from 69 kVac to 80 kVdc because following are the same: MAD (40"), arc-gap, dist to arc*
400	$y = 0.645(x)^{1.26}$	Pole-Gnd MAD for Tools / Restart Blocked	ArcPro + Eblen AdjExp eq's to encompass all points
448	$y = 0.827(x)^{1.27}$	Pole-Gnd MAD for Tools / Restart Blocked	ArcPro + Eblen AdjExp eq's to encompass all points
500	$y = 0.435(x)^{1.28}$	Pole-Gnd MAD for Tools / Restart Blocked	ArcPro + Eblen AdjExp eq's to encompass all points
520	$y = 0.366(x)^{1.26}$	Pole-Gnd MAD for Tools / Restart Blocked	ArcPro + Eblen AdjExp eq's to encompass all points
560	$y = 0.24(x)^{1.27}$	Pole-Gnd MAD for Tools / Restart Blocked	ArcPro + Eblen AdjExp eq's to encompass all points

	BPA MV Encl v01	Equation documentation	
kVac (enclosure)	**48 inches**	**working distance**	**Equation Derivation**
Dead Front	$y = 1.3396(x) - 0.8787$	48 inches (from prospective arc source to employee's face/chest area)	IEEE 1584 Conservative Derived
Live Front	$y = 4.0189(x) - 2.6361$	48 inches (from prospective arc source to employee's face/chest area)	IEEE 1584 Conservative Derived
Racking Ckt Bkr	$y = 5.3585(x) - 3.5148$	48 inches (from prospective arc source to employee's face/chest area)	IEEE 1584 Conservative Derived
Pad-Mount Fused Switch	n/a - see **Note 1**	48 inches (from prospective arc source to employee's face/chest area)	EPRI PMH Formula

x = fault current (kA)
y = heat flux (cal/cm^2/sec)

Note 1 EPRI formula for *Pad-Mount Fused Switch* generates Incident Energy directly as a function of time. Heat Flux is not calculated.
Incident Energy (cal/cm^2) @ 48" = $(3547(x)^{1.5} * (t)^{1.35}) / (d)^{2.1}$; where x = fault current (kA), t = time (sec), d = distance from arc (inches)

Fault Clearing Times

In Open Air

Nominal Rating *(see Note a)*	Clearing Time (cycles)	Clearing Time (sec)	documentation
5.1 to 15 kVac	120	2.00	Marcia Eblen (worst-case / no study) - 2015.07.16 telecon
18 to 34.5 kVac	120	2.00	Marcia Eblen (worst-case / no study) - 2015.07.16 telecon
46 to 69 kVac	120	2.00	Marcia Eblen (worst-case / no study) - 2015.07.16 telecon
100 to 115 kVac	17	0.28	Dean Bender - 2015.06.19 e-mail
138 kVac	17	0.28	Dean Bender - 2015.06.19 e-mail
161 kVac	17	0.28	Dean Bender - 2015.06.19 e-mail
230 kVac	13	0.22	Dean Bender - 2015.06.19 e-mail
287 kVac	13	0.22	Dean Bender - 2015.06.19 e-mail
300 to 345 kVac	13	0.22	Dean Bender - 2015.06.19 e-mail
525 kVac (all designs)	12	0.20	Dean Bender - 2015.06.19 e-mail
525 kVac (series caps)	12	0.20	Dean Bender - 2015.06.19 e-mail

	Clearing time (sec)		
Nominal Rating *(see Note a)*	*Inside* Sub	*Outside* Sub	DC clearing times are different based on fault-curr mag (.2 to 3.808 kA, 3.809 to 15.583 kA, 15.584 kA & above). **Clearing time listed generates worst-case Incident Energy** (cal/cm^2).
80 kVdc (neut bus)	0.500	--	Michael Overeem / Jeff Barton - 2015.07.15 & 2015.08.17 e-mails.
80 kVdc (metallic return)	--	0.304	Michael Overeem / Jeff Barton - 2015.07.15 & 2015.08.17 e-mails.
400 kVdc	0.500	0.304	Michael Overeem / Jeff Barton - 2015.07.15 & 2015.08.17 e-mails.
448 kVdc	0.500	0.304	Michael Overeem / Jeff Barton - 2015.07.15 & 2015.08.17 e-mails.
500 kVdc	0.500	0.304	Michael Overeem / Jeff Barton - 2015.07.15 & 2015.08.17 e-mails.
520 kVdc	0.500	0.304	Michael Overeem / Jeff Barton - 2015.07.15 & 2015.08.17 e-mails.
560 kVdc	0.500	0.304	Michael Overeem / Jeff Barton - 2015.07.15 & 2015.08.17 e-mails.

Enclosure

Nominal Rating *(see Note a)*	Clearing Time (cycles)	Clearing Time (sec)	documentation
1 kV to 15 kV - dead-front with separable elbows (circuits *are not accessible* when enclosure is open)	30	0.50	Jim Cramer& Marcia Eblen - 2015.07.01 telecon
1 kV to 15 kV - live-front terminations (circuits *are accessible* when enclosure is open)	30	0.50	Jim Cramer& Marcia Eblen - 2015.07.01 telecon
1 kV to 15 kV - rackable metal-clad breakers	30	0.50	Jim Cramer& Marcia Eblen - 2015.07.01 telecon
1 kV to 15 kV - pad-mounted / fused switches (circuits *may be accessible* when enclosure is open)	30	0.50	Jim Cramer& Marcia Eblen - 2015.07.01 telecon

Inside Substation Arc-Flash (In Open Air)

Eblen (Adj Exponent Heat Flux)

Nominal Rating *(see Note a)*	BPA MAD *with Hold Order* (in)	Arc-Gap (in)	Dist to Arc (in)	Fault Curr (max kA)	Adj Exp Heat Flux *at the MAD* (cal/cm^2/sec)	Clearing Time (cycles)	Clearing Time (sec)	Incident Energy *at the MAD* (cal/cm^2)	
Above 15.584 kADC (values from 1JNL217247_A_en_Transient_Currents.pdf / Table 9 "Results" (G.Lee)									
69 kVdc (neut bus)	40	4.2	31.6	22.5	17.47	--	0.250	4.4	
400 kVdc	92	24.3	43.4	23.9	35.18	--	0.250	8.8	
448 kVdc	106	31.8	42.4	23.9	46.57	--	0.250	11.6	
500 kVdc	123	31.8	59.4	23.9	25.28	--	0.250	6.3	
520 kVdc	129	31.8	65.4	23.9	19.96	--	0.250	5.0	
560 kVdc	143	31.8	79.4	23.9	13.51	--	0.250	3.4	
3.809 to 15.583 kADC									
69 kVdc (neut bus)	40	4.2	31.6	15.6	10.56	--	0.500	**5.3**	worst case incident energy
400 kVdc	92	24.3	43.4	15.6	20.53	--	0.500	**10.3**	worst case incident energy
448 kVdc	106	31.8	42.4	15.6	27.05	--	0.500	**13.5**	worst case incident energy
500 kVdc	123	31.8	59.4	15.6	14.62	--	0.500	**7.3**	worst case incident energy
520 kVdc	129	31.8	65.4	15.6	11.65	--	0.500	**5.8**	worst case incident energy
560 kVdc	143	31.8	79.4	15.6	7.85	--	0.500	**3.9**	worst case incident energy
.200 to 3.808 kADC									
69 kVdc (neut bus)	40	4.2	31.6	3.8	1.53	--	1.750	2.7	
400 kVdc	92	24.3	43.4	3.8	3.48	--	1.750	6.1	
448 kVdc	106	31.8	42.4	3.8	4.52	--	1.750	7.9	
500 kVdc	123	31.8	59.4	3.8	2.41	--	1.750	4.2	
520 kVdc	129	31.8	65.4	3.8	1.97	--	1.750	3.5	
560 kVdc	143	31.8	79.4	3.8	1.31	--	1.750	2.3	

Transmission Line Arc-Flash (In Open Air)

Eblen (Adj Exponent Heat Flux)

Nominal Rating *(see Note a)*	BPA MAD *with Hold Order* (in)	Arc-Gap (in)	Dist to Arc (in)	Blue-Bk Fault Curr (max kA)	Adj Exp Heat Flux *at the MAD* (cal/cm^2/sec)	Clearing Time (cycles)	Clearing Time (sec)	Incident Energy *at the MAD* (cal/cm^2)	
Above 15.584 kADC (values from 1JNL217247_A_en_Transient_Currents.pdf / Table 9 "Results" (G.Lee)									
400 kVdc	92	24.3	43.4	23.9	35.18	--	0.304	**10.7**	worst case incident energy
448 kVdc	106	31.8	42.4	23.9	46.57	--	0.304	**14.2**	worst case incident energy
500 kVdc	123	31.8	59.4	23.9	25.28	--	0.304	**7.7**	worst case incident energy
520 kVdc	129	31.8	65.4	23.9	19.96	--	0.304	**6.1**	worst case incident energy
560 kVdc	143	31.8	79.4	23.9	13.51	--	0.304	**4.1**	worst case incident energy
3.809 to 15.583 kADC									
400 kVdc	92	24.3	43.4	15.6	20.53	--	0.500	10.3	
448 kVdc	106	31.8	42.4	15.6	27.05	--	0.500	13.5	
500 kVdc	123	31.8	59.4	15.6	14.62	--	0.500	7.3	
520 kVdc	129	31.8	65.4	15.6	11.65	--	0.500	5.8	
560 kVdc	143	31.8	79.4	15.6	7.85	--	0.500	3.9	
.200 to 3.808 kADC									
400 kVdc	92	24.3	43.4	3.8	3.48	--	1.750	6.1	
448 kVdc	106	31.8	42.4	3.8	4.52	--	1.750	7.9	
500 kVdc	123	31.8	59.4	3.8	2.41	--	1.750	4.2	
520 kVdc	129	31.8	65.4	3.8	1.97	--	1.750	3.5	
560 kVdc	143	31.8	79.4	3.8	1.31	--	1.750	2.3	

STEPS

1. **SubStation Arc-Flash tab**: Filter for appropriate **Nominal (kV, L-L)**
2. **Blue-Book Data tab**:
   - **A** Filter for appropriate **KV**
   - **B** Filter for appropriate substation **BUS** location. *The Blue-Book has no 287-kV bus, because the only 287-kV part of the system is the Olympia - G.Coulee No. 1 which is a transformer-terminated line.*
3. **SubStation Arc-Flash tab**: Obtain ***MAX Applicable Working Distance*** (QUALIFIED INDIVIDUAL) and ***MAX Boundary*** (UNQUALIFIED INDIVIDUAL).

NOTES & EQUATIONS

BPA MAD with Hold Order: From APM, Sect 1, Table A, "MAD with Hold Order for Tools"
Arc Gap (in): From Marcia Eblen Report, Tables 2 & 3
Dist to arc (in) = [$MAD_{(in)}$ – (2 * $ArcGap_{(in)}$)]
Blue-Bk Fault Curr (max kA): See info under "STEPS" 2B. *For HVDC,* no Blue-Bk info is available - value is taken from ABB test reports for new Conv 1 & 2 equipment.
Adj Exp Heat Flux *at the MAD* (cal/cm^2/sec): Conservative curves generated by Marcia Eblen. Equations are listed under **HeatFLux.Eblen** tab.
Clearing time: Reasonable clearing time as determined by BPA or industry-recognized SME's.
Incident Energy *at the MAD* (cal/cm^2) = Adj Exponent Heat flux (cal/cm^2/sec) x clearing time (sec)
14 cal/cm^2 Distance (ft) = [(2*$ArcGap_{(in)}$) + (Dist to $arc_{(in)}$ * SQRT (Incident Energy/14))] / 12.
8 cal/cm^2 Distance (ft) = [(2*$ArcGap_{(in)}$) + (Dist to $arc_{(in)}$ * SQRT (Incident Energy/8))] / 12.
Arc-Flash Boundary (ft) = [(2*$ArcGap_{(in)}$) + (Dist to $arc_{(in)}$ * SQRT (Incident Energy/1.2))] / 12. AF Boundary is the distance at which Incident Energy is 1.2 cal/cm^2 (onset of 2nd degree burns). Going inside the arc-flash boundary requires Arc-Flash PPE.

Note (a) For voltages 5-kV & below - request an Arc-Flash study prior to performing energized work.

Table 4.3. 8 cal/cm^2 AF PPE Limits & Parameters - Unlabeled Circuits (Enclosures)

	QUALIFIED INDIVIDUAL	UNQUALIFIED INDIVIDUAL - Select MAX		
Nominal Rating	**Max Fault Current & Clearing Time for 8 cal/cm^2 *at listed distance* *(see Note b)***	**Limited Approach Boundary *(see Note b)***	**1.2 cal/cm^2 AF Boundary *(see Note b)***	**info source**
600 Vac & below panelboards / cabinets	25 kA for 2 cycles @ 18 inches *(see Note c)*	10'	3'	NFPA 70E-2015, Table 130.7.C.15.A.b Item 1 & 2
600 Vac-class MCC's / equipment	65 kA for 2 cycles @ 18 inches *(see Note c)*	10'	5'	NFPA 70E-2015, Table 130.7.C.15.A.b Item 3 & 6
101 to 249 Vdc batteries / switchboards / supply source	6.99 kA for 2 seconds @ 18 inches *(see Note c)*	10'	4'	NFPA 70E-2015, Table 130.7.C.15.B 101-249Vdc / Item 2
250 to 600 Vdc batteries / switchboards / supply source	2.99 kA for 2 seconds @ 18 inches *(see Note c)*	10'	4'	NFPA 70E-2015, Table 130.7.C.15.B 250-600Vdc / Item 2

Note (b): Shock-protection distances and arc-flash distances are independent of each other, and the *greater of the two* **shall** be used to protect personnel.
Note (c): Distance used to calculate Incident Energy = 18 inches (from prospective arc source to employee's face/chest area).