Site Name: REFERENCE AREA		Qualitative			Quantitative								
Exposure: V					Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	SEPT. 23–27	0–20'	M	N	–	–	–	–	–	–	–	–	–
2000	AUG. 21–25	0–20'	M	N	NOT SAMPLED				NOT SAMPLED				
2001	AUG. 19–23	0–20'	M	N	NOT SAMPLED				NOT SAMPLED				

Site Name: ACCESS ROAD SLOPES '89		Qualitative			Quantitative								
Exposure: V					Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	20–25'	N	V	–	–	–	–	–	–	–	–	–
2000	AUG. 21–25	20–25'	N	V	NOT SAMPLED				NOT SAMPLED				
2001	AUG. 19–23	20–25'	N	S	NOT SAMPLED				NOT SAMPLED				

Site Name: PHASE I BERM '89		Qualitative			Quantitative								
Exposure: V					Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	0–29'	N	N	–	–	–	–	–	–	–	–	–
2000	AUG. 21–25	0–29'	N	N	21.80	5.27	62.00	10.93	29.06	29.25	41.69	–	–
2001	AUG. 19–23	0–29'	N	M	21.67	4.53	68.27	5.53	18.16	25.89	55.95	–	–

Site Name: PHASE I DIVERSION '89		Qualitative			Quantitative								
Exposure: V					Cover				% Composition				
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	AUG. 23–27	5'	N	N	40.83	5.25	45.42	8.50	17.31	6.02	76.68	–	–
2000	AUG. 21–25	5'	N	N	35.33	4.60	51.67	8.40	25.89	18.89	55.23	–	–
2001	AUG. 19–23	5'	N	N	31.00	5.73	57.33	5.93	35.78	17.85	46.37	–	–

NOTE:
QUALITATIVE AND QUANTITATIVE DATA PROVIDED BY MT. NEBO SCIENTIFIC, INC.

ASCA LEGEND

ASCA 1– ACCESS ROAD .69 ACRES { Reveg. area = .58 Ac. / Silt fence areas = .11 Ac.

ASCA 2– BERM OUTSLOPE 1.72 ACRES

LICENSED PROFESSIONAL ENGINEER JOHN CHRISTENSEN No. 165651 STATE OF UTAH

I, JOHN CHRISTENSEN BEING A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF UTAH, DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED ON THIS DRAWING IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John Christensen 4/4/02
JOHN CHRISTENSEN NO. 165651 DATE

CONTOUR INTERVAL 2'

DATE	REVISIONS	BY	CHK.
4–4–02	ADDED QUALITATIVE AND QUANTITATIVE DATA FOR 2001	K J L	
2–23–00	ADDED QUALITATIVE AND QUANTITATIVE DATA	K J L	
4–30–97	ADDED SILT FENCES ALONG ACCESS ROAD	K J L	
8–28–95	REVISED DRAINAGE, ADDED BERMS & 2:1 NOTATIONS	K J L	
1–22–91	ADDED 4" WET WEATHER SEEP DRAIN PIPE	K J L	
1–11–90	ADDED ASCA AREAS 1 & 2 AND ASCA LEGEND	K J L	
5–19–89	ADDED WATER MONITORING WELL	K J L	
12–6–88	REVISED PERMIT BOUNDARY LINE	K J L	
8–23–88	REVISED AREA BOUNDARY FENCE	J R G	
6–6–88	ADDED EMERGENCY SPILLWAY TO SEDIMENT POND	K J L	

CAD FILE NAME/DISK#: USERS\KJL\VEGMAPS\DCWRSVEG.DWG

ENERGY WEST
MINING COMPANY
HUNTINGTON, UTAH 84528

DEER CREEK COAL MINE WASTE ROCK STORAGE FACILITY 2001 VEGETATION MONITORING

DRAWN BY: T. DAVIS
SCALE: 1"=100'
DATE: FEBRUARY 3, 2000
DRAWING #: CM–10778–DR
SHEET 1 OF 1
REV.