



LEGEND

P1 PINON JUMPER
 PP PONDROSA PINE
 QA QUAKING ASPEN
 RO RUSH GRASS
 S SAGEBRUSH
 SQU SHAUB-GRASS-JUNIPER
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OS BARREN GRASS
 DF DOUGLAS FIR
 DS DECIDUOUS STREAMBANK
 FW FARKLAND WEEDS
 GS GREASWOOD-SAGEBRUSH
 HS HIGH SHRUBS
 MC MIXED CONIFER
 MCO MIXED CONIFER-MOUNTAIN BRUSH

--- PERMIT AREA BOUNDARY
 --- ADDITION TO PERMIT BOUNDARY

NOTES

- SOME MAPPED VEGETATION UNITS INCLUDE SMALL, SCATTERED AREAS OF THE SOILS IN ANY ONE MAP UNIT DIFFER FROM PLACE TO PLACE IN SOME OF THE GENERAL MAP UNITS IN THIS SURVEY HAVE BEEN GROUPED INTO GENERAL KINDS OF LANDSCAPE FOR BROAD INTERPRETIVE PURPOSES. (PAGE 5)
- THE VEGETATION COMMUNITY UNIT MAPPING ON THIS PLATE IS OF LESSER INTENSITY THAN THAT OF PLATE 3-14, REFINED PREFERENCES BETWEEN AND SCALE DIFFERENCES BETWEEN THE PLATES.
- AREAS OF VEGETATION ADJACENT TO THE DISTURBED AREA BOUNDARY WERE GROUND TRUTHED IN 1998.
- MOST MAPPED SOILS HAVE REFERRED SOILS TO SOILS OF THE DOMINANT SOIL OR SOILS IN THE MAP UNIT AND THIS DOES NOT AFFECT THE GENERAL AND MANAGEMENT USE OF THESE AREAS. NONCONTIGUOUS OR SIMILAR INCLUSIONS, OTHER INCLUDED SOILS AND MISCELLANEOUS AREAS, HOWEVER, HAVE PROPERTIES MANAGEMENT. THESE ARE CALLED COMPARATIVE SOILS AND ARE INCLUDED IN THE GENERAL AREAS IN SMALL AREAS AND COULD NOT BE MAPPED SEPARATELY BECAUSE OF THE SCALE BASIS. (PAGE 13)
- SEE REFERENCE FILE DOCUMENT FOR VEGETATION TYPES AND REFERENCE AREA LOCATION.
- REFER TO REFERENCE FILE DOCUMENT AND METHANE DEGRADATION AMENDMENT FOR SPECIFIC INFORMATION PERTAINING TO THEIR AREAS.
- ADDITIONAL VEGETATION REFERENCE AREAS SHOWN ON PLATE 3-1E.

RECEIVED
APR 18 2008
DUGOUT CANYON MINE
VEGETATION

REGISTERED PROFESSIONAL ENGINEER
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CITY OF VANCOUVER
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SOILS REPORT BY ENVIRONMENTAL RESEARCH & TECHNOLOGY INC.
RICHARD B. BROWN
AREA UNIT

Canyon Fuel Company, LLC
Dugout Canyon Mine
APR 18 2008
DUGOUT CANYON MINE
VEGETATION

DATE: 4/13/08
SCALE: AS SHOWN
PLATE: 3-1