

TABLE OF CONTENTS

Chapter I: Introduction (Purpose and Need)

Scope of the Report.....	1
Report Methodology (Applicable Regulatory Requirements).....	1
Purpose and Need	2
Project Objectives	3
Park Purpose/Significance.....	3
Description of the Study Area	4
Quincy Unit Landscape Character Areas and Landscape Character Types.....	8
Relation to Other Planning Projects.....	16
Environmental Assessment Impact Topics.....	17
<i>Impact Topics Selected for Analysis</i>	17
<i>Impact Topics Considered but Eliminated from Further Analysis</i>	18

Chapter II: Landscape History

Introduction.....	1
Prehistory	3
Early History: the Arrival of the Ojibway.....	6
Fur Trade.....	8
Treaties and American Mining.....	9
Company Origins on the Quincy Lode: 1846-1855.....	12
Mine Growth on the Pewabic Lode: 1856-1887.....	19
Rebuilding the Mine Surface Plant: 1888-1907.....	47
20th Century Operations: 1908-1945.....	69
Reclamation: 1946-1967.....	85
Post-Operation: 1968 - Present.....	86

Chapter III: Existing Conditions/Affected Environment

Unit-Wide Existing Conditions	5
<u>Land Use</u>	5
<u>Zoning</u>	9
<u>Transportation and Circulation</u>	9
<u>Vegetation</u>	12
<u>Archaeological Resources</u>	15
<u>Socioeconomics</u>	16
<u>Visitor Expenditures</u>	17
<u>Visitor Experience</u>	
<u>Park Operations</u>	19
Quincy Unit Landscape Character Types and Associated Landscape Character Areas	20
<u>Landscape Character Type 1 - Historic Mine/Industrial Landscapes</u>	22
Quincy Mine Landscape Character Area.....	27
Quincy Smelting Works Landscape Character Area.....	37
Quincy Mine Office and Superintendents House Landscape Character Area.....	45
Quincy Dryhouse Landscape Character Area.....	47
No.8 Landscape Character Area.....	50
<u>Landscape Character Type 2 - Historic Company Housing Locations</u>	53
Limerick Landscape Character Area (and adjacent area).....	54
Hardscrabble Landscape Character Area.....	58
Kowsit Lats Landscape Character Area.....	60
Lower Pewabic Landscape Character Area.....	63
Coburntown Landscape Character Area.....	65
Sing Sing Landscape Character Area.....	67
Frenchtown Landscape Character Area.....	69
Ripley Landscape Character Area.....	71
South Quincy Landscape Character Area.....	73
Mesnard Landscape Character Area.....	74
Newtown Landscape Character Area.....	75
<u>Landscape Character Type 3 - Non-Historic Land Uses</u>	77
Hancock Landscape Character Area (Adjacent to unit boundary).....	77
Portage Lake Overlook Landscape Character Area.....	77
U.S. Highway 41 Corridor Landscape Character Area.....	80
Campus Drive Landscape Character Area (adjacent to unit boundary).....	82
Houghton County Road Commission Service Facility Landscape Character Area.....	83
Julio Contracting Landscape Character Area.....	84
Mont Ripley Ski Area Landscape Character Area.....	85

Chapter IV: Landscape Analysis

Introduction.....	1
National Register Status.....	2
National Register Boundary and Quincy Unit Boundary.....	3
Landscape Analysis.....	5
<i>Land Use</i>	5
<i>Spatial Organization</i>	12
<i>Vegetation</i>	15
<i>Topography and Views</i>	19
<i>Circulation</i>	24
<i>Buildings and Landscape Features:</i>	
<i>Landscape character Type 1-Historic Mine/Industrial Landscape</i>	28
<i>Cultural Traditions</i>	33
Summary of Integrity.....	34

Chapter V: Landscape Management Philosophy and Management Issues

Landscape Management Philosophy.....	1
Landscape Management Overview.....	2
Definition of the Quincy Unit	3
Management Issues	5
<i>Quincy Unit Management Issues</i>	5
<i>Management Issues Related to the Historic Industrial Core</i>	9

Chapter VI: Treatment Alternatives

Overview.....	1
Quincy Historic Industrial Core Current Management Approach (No Action Treatment Alternative)	2
Treatment Recommendations and Alternatives for the Quincy Unit & the Historic Industrial Core	7
Vision Statement for all Action Treatment Alternatives	7
Goals Common to all Action Treatment Alternatives	7
Objectives Common to all Action Treatment Alternatives	7

Quincy Unit Landscape Treatment Guidelines (common to all alternatives)	8
Treatments Common to all Historic Industrial Core Alternatives	22
Historic Industrial Core Treatment Alternative A	27
Historic Industrial Core Treatment Alternative B	35
Historic Industrial Core Treatment Alternative C (Preferred Alternative)	45
Summary of Treatment Alternatives	55
Environmentally Preferred Treatment Alternative	58
Mitigation Measures	59
Treatment Alternatives Considered and Dismissed	60

Chapter VII: Impacts from Treatment Alternatives/ Environmental Consequences

Environmental Consequences	1
Cumulative Impacts.....	2
Impairment Analysis.....	3
Impacts to Cultural Resources.....	4
<i>Basis of Analysis (Impacts to Cultural Resources)</i>	4
<i>Cultural Landscapes (Impacts to Cultural Resources)</i>	5
<i>Archaeological Resources (Impacts to Cultural Resources)</i>	6
<i>Current Management, No Action Alternative (Impacts to Cultural Resources)</i>	7
<i>Treatment Guidelines Common to Alternatives A, B and C for Quincy Unit and Historic Industrial Core (Impacts to Cultural Resources)</i>	9
<i>Historic Industrial Core Treatment Alternative A (Impacts to Cultural Resources)</i>	10
<i>Historic Industrial Core Treatment Alternative B (Impacts to Cultural Resources)</i>	12
<i>Historic Industrial Core Treatment Alternative C, Preferred Alternative (Impacts to Cultural Resources)</i>	14
Socioeconomics.....	15
<i>Basis for Analysis (Socioeconomics)</i>	15
<i>Current Management, No Action Alternative (Socioeconomics)</i>	15
<i>Treatment Guidelines Common to Alternatives A, B and C for Quincy Unit and Historic Industrial Core Socioeconomics)</i>	16
<i>Historic Industrial Core Treatment Alternative A (Socioeconomics)</i>	16
<i>Historic Industrial Core Treatment Alternative B (Socioeconomics)</i>	17
<i>Historic Industrial Core Treatment Alternative C, Preferred Alternative (Socioeconomics)</i>	18

Visitor Experience	19
<i>Basis of Analysis (Visitor Experience)</i>	19
<i>Current Management, No Action Alternative (Visitor Experience)</i>	19
<i>Treatment Guidelines Common to Alternatives A, B and C for Quincy Unit and Historic Industrial Core (Visitor Experience)</i>	20
<i>Historic Industrial Core Treatment Alternative A (Visitor Experience)</i>	20
<i>Historic Industrial Core Treatment Alternative B (Visitor Experience)</i>	21
<i>Historic Industrial Core Treatment Alternative C, Preferred Alternative (Visitor Experience)</i>	21
Park Operations	22
<i>Basis of Analysis (Park Operations)</i>	22
<i>Current Management, No Action Alternative (Park Operations)</i>	22
<i>Treatment Guidelines Common to Alternatives A, B and C for Quincy Unit and Historic Industrial Core (Park Operations)</i>	23
<i>Historic Industrial Core Treatment Alternative A (Park Operations)</i>	23
<i>Historic Industrial Core Treatment Alternative B (Park Operations)</i>	24
<i>Historic Industrial Core Treatment Alternative C, Preferred Alternative (Park Operations)</i>	24

Chapter VIII: Implementation

Overview	1
<u>Project A: Preserve Historic Structures in the Quincy Unit</u>	1
<u>Project B: Planning to Preserve Existing Significant Views by Influencing New Development</u>	5
<u>Project C: Establish View Corridor to Interpret No. 2 Adit Location</u>	6
<u>Project D: Establish and Maintain Views along the Pewabic Lode</u>	9
<u>Project E: Establish and Maintain View from Lower Pewabic to the No. 2 Area</u>	10
<u>Project F: Widen and maintain View Corridor at Cog Tram Route</u>	11
<u>Project G: Removal of Woody Vegetation in the Foreground Vegetation Management Zone of the Historic Industrial Core</u>	12
<u>Project H: Removal of Woody Vegetation in the Middleground Vegetation Management Zone of the Historic Industrial Core</u>	13
<u>Project I: Quincy Mine Historic Landscape Blitz</u>	14
<u>Project J: Wayside Planning Design, Fabrication and Installation</u>	15
<u>Project K: Develop Self-guided Brochures for Historic Landscapes</u>	15
<u>Project L: Design and Implement Signs at Historic Housing Locations</u>	16
<u>Project M: Establish short-term route for multi-use trail</u>	17
<u>Project N: Establish long-term multi-use trail over short term base</u>	17
<u>Project O: Implement Pedestrian Route on West Side of U.S. 41</u>	18
<u>Project P: Develop Parking, Vault Toilet, and Picnic Area at No. 2 Road</u>	18
<u>Project Q: Improve Historic Landscape at Quincy Mine Office</u>	19
<u>Project R: Construct vertical elements that represent the missing/non-existent Pulley Stands between the No.2 Shaft-rockhouse and the Hoist Houses</u>	20
<u>Project S: Develop Picnic Area near No. 2 Hoist Houses</u>	21
<u>Project T: Develop Parking Lot near No. 2 Hoist Houses</u>	22
<u>Project U: Remove Parking Area on West side of No. 2 Hoist Houses</u>	22
<u>Project V: Construct Road and Parking from Lower Pewabic Road to Supply House</u>	23
<u>Project W: Preserve Poor Rock Piles in the Historic Industrial Core</u>	23
<u>Project X: Restore Portions of Railroad Grades, Tracks, and Trestles adjacent to the No. 2 Shaft-rockhouse</u>	24
<u>Project Y: Restore portions of Railroad Grades, Tracks and Trestles adjacent to the No. 5 Boiler Plant</u>	25
<u>Project Z: Develop the A.E. Seaman Mineral Museum Area</u>	25
<u>Project AA: Survey National Park Service property within the Quincy Unit</u>	26
<u>Project BB: Provide Vertical Elements at Historic Shaft Locations</u>	26
<u>Project CC: Provide Assistance and Guidance to Landowners to Encourage compatible development</u>	26
<u>Project DD: Work with MDOT to improve the Portage Lake Overlook</u>	26
<u>Project EE: Develop an Archeological Research and Education Program</u>	26
<u>Project FF: Provide a Picnic Table at the No. 4 Area for Visitor Use</u>	27
<u>Project GG: No. 7 and RR Corridor</u>	27
<u>Project HH: Interpret Underground Network of Drifts and Stopes</u>	27
<u>Project II: Interpret the view of Quincy Hill from the Waterfront in Houghton</u>	28
<u>Project JJ: Develop a design palette for site amenities in the Quincy Unit</u>	28

Chapter IX: Consultation and Coordination

Internal Scoping.....	1
External Scoping.....	1
Agency Consultation	2
Cultural Landscape Report/ Environmental Assessment Review.....	2

Bibliography